NEW YORK STATE PUBLIC SERVICE COMMISSION

CASE 17-E-0238

PROCEEDING ON MOTION OF THE COMMISSION AS TO THE RATES, CHARGES, RULES AND REGULATIONS OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID FOR ELECTRIC SERVICE

CASE 17-G-0239

PROCEEDING ON MOTION OF THE COMMISSION AS TO THE RATES, CHARGES, RULES AND REGULATIONS OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID FOR GAS SERVICE

CASE 14-M-0042

PETITION OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID FOR AUTHORIZATION TO DEFER AN ACTUARIAL EXPERIENCE PENSION SETTLEMENT LOSS FOR FISCAL YEAR 2014

CASE 12-G-0202

PETITION OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID TO MODIFY ITS EXISTING GAS SAFETY METRIC

JOINT PROPOSAL

By and Among:

Niagara Mohawk Power Corporation d/b/a National Grid
New York State Department of Public Service Staff
Multiple Intervenors
Pace Energy and Climate Center
Environmental Defense Fund
International Brotherhood of Electrical Workers, Local Union 97
New York Geothermal Energy Organization, Inc.
Tesla, Inc.
City of Buffalo
City of Albany
City of Syracuse
ChargePoint, Inc.
Great Eastern Energy
Mirabito Natural Gas
Blue Rock Energy, Inc.
Direct Energy Services, LLC
New York State Office of General Services
Wal-Mart Stores East, LP and Sam's East, Inc.
New York Power Authority

Dated: January 19, 2018

Table of Contents

I. Procedural Background ... 2
II. Overall Framework ... 5
III. Definitions ... 6
IV. Rate Plan ... 7
1. Effective Date and Term ... 7
2. Electric and Gas Revenue Requirements ... 7
2.1 Rate Plan Revenue Requirements ... 7
2.2 Rate Plan Deferral Credits ... 10
2.3 Rate Plan Settlement Deferral Credit ... 10
2.4 Make Whole Provision ... 12
3. Electric Revenue Allocation and Rate Design ... 13
3.1 Retail Delivery Electric Revenue Forecast ... 13
3.2 Electric and Street Lighting Revenue Allocation ... 13
3.3 Electric and Street Lighting Rate Design ... 13
3.3.1 Electric ... 14
3.3.2 Street Lights ... 15
3.4 Deferral Credits ... 16
3.4.1 Allocation of Deferral Credits to Service Class Voltage Delivery Levels ... 16
3.4.2 Service Class Deferral Credits ... 16
3.5 Revenue Decoupling Mechanism ... 16
3.6 Merchant Function Charge ... 17
3.7 Miscellaneous Electric and Street Lighting Provisions ... 18
3.7.1 Service Re-Establishment Charge ... 18
3.7.2 ESCO Disconnection Charge ... 19
3.7.3 Billing Backout Credit ... 19
3.7.4 Paperless Billing Credit ... 19
3.7.5 Incremental Customer Charge ... 19
3.7.6 Expansion of SC-12 ... 19
3.7.7 Miscellaneous Changes to PSC 220 ... 19
3.7.8 Removed Street Light Facility Offerings ... 20
3.7.9 Lighting Service Charge; Outage Credit ... 20
3.8 Earnings Adjustment Mechanisms Surcharge ... 20
3.9 Economic Development/Marginal Cost Rates ... 21
3.10 Next Base Rate Filing ... 21
3.10.1 Sales and Revenue Forecasts ... 21
3.10.2 Historical Embedded Cost of Service Study ... 21
3.10.3 Information Services Expense Allocator ... 22
3.10.4 Minimum System Study ... 22
4. Gas Revenue Allocation and Rate Design ... 22
4.1 Gas Revenue Forecast ... 22
4.2 Gas Revenue Allocation ... 22
4.3 Gas Rate Design ... 22
4.4 Deferral Credits ... 24

4.5 LAUF Gas 24
4.5.1 Target and Deadbands 24
4.5.2 Inactive Accounts Adjustment 24
4.6 Revenue Decoupling Mechanism 25
4.7 Merchant Function Charge 25
4.8 Statements to be Eliminated and Tariff Modifications 27
4.9 Miscellaneous Gas Provisions 28
4.9.1 Electric Generation 28
4.9.2 Reconnection/Disconnect Charges 28
4.9.3 Paperless Billing 28
4.9.4 Gas Billing Charge 29
4.9.5 Backout Credit Updates 29
4.10 Earnings Adjustment Mechanisms Surcharge 29
4.11 Economic Development/Marginal Cost Rates 29
4.12 Next Base Rate Filing 30
4.12.1 Revenue Forecast 30
4.12.2 Historical ECOSS 30
4.12.3 Information Services Expense Allocator 31
4.12.4 Minimum System Study/Zero Intercept Study 31
4.12.5 Streamline PSC 219 31
4.12.6 Meeting to Discuss Residential Rate Design 31
4.12.7 Gas SC-2/SC-7 Classification Issue 31
5. Computation and Disposition of Excess Earnings 32
5.1 Earnings Report 32
5.2 Discrete Incentives and Negative Revenue Adjustments 32
5.3 Earnings Sharing Mechanism 33
5.3.1 ROE > 9.5% and ≤ 10.0% 34
5.3.2 ROE > 10.0% and ≤ 10.5 % 34
5.3.3 ROE >10.5% 34
6. Electric and Common Capital Investment Levels and Infrastructure and Operations Programs 34
6.1 Capital Investment Levels 34
6.2 Non-Wires Alternatives 35
6.3 Electric Capital Reporting Requirements 35
7. Gas Capital Investment Levels and Infrastructure and Operations Programs 36
7.1 Gas Capital Investment Levels 36
7.2 Leak Prone Pipe Productivity Incentive 36
7.3 Gas Safety and Reliability Surcharge 37
7.3.1 Recovery of Incremental LPP Replacement Costs 37
7.3.2 Recovery of Incremental Leak Repair Costs 38
7.3.3 Gas Safety and Reliability Surcharge Calculation 38
7.4 Capitalization Policies 39
7.5 Gas Safety Programs 40
7.5.1 Residential Methane Detector Program 41
7.5.2 Damage Prevention GPS Mapping of Distribution Pipeline and Services Facilities 42

7.6 Methane Reduction Efforts ... 42
7.7 Gas Capital Reporting Requirements ... 43
7.7.1 LPP Prioritization, Type 3 Leak, and Capital Plan Report ... 43
7.7.2 Quarterly Capital Report ... 44
7.7.3 Annual Capital Report ... 44
7.8 Gas Business Enablement ... 44
7.8.1 GBE Program Total Cost Cap ... 45
7.8.2 GBE Program Capital Investment Levels ... 45
7.8.3 GBE Program Key Performance Indicators ... 46
7.8.4 GBE Program Reporting ... 48
8. Information Services ... 49
8.1 Information Services Electric and Gas Capital Investment Levels ... 49
8.2 Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism ... 49
8.3 IS Capital Investment Cost Incentive ... 51
8.4 Distribution Supervisory Control and Data Acquisition System ... 52
8.5 Distributed Generation Interconnection Online Application Portal ... 52
8.6 IS Capital Reporting ... 52
9. Street Lighting ... 54
9.1 LED-Only Replacement Luminaire Program ... 54
9.2 Street Lighting Plant Accounts and Service Lives ... 54
9.3 Street Light Asset Sales ... 55
9.3.1 Net Book Value Sales ... 55
9.3.2 NBV Sale Price ... 56
9.3.3 Provisions Applicable to All Street Light Asset Sales ... 58
9.4 Miscellaneous Street Light Matters ... 59
10. Electric and Gas Reconciliations, Deferrals, and True-Ups ... 59
10.1 Existing Electric and Gas Reconciliations, Deferrals, and True-Ups ... 59
10.1.1 Pension and Other Post-Employment Benefit Expenses (Electric and Gas). 60
10.1.2 Low Income Energy Affordability Program (Electric and Gas) ... 60
10.1.3 Economic Development Fund Program (Electric and Gas) ... 61
10.1.4 Economic Development Grant Program (Electric and Gas) ... 61
10.1.5 Auction Debt True Up (Electric and Gas) ... 62
10.1.6 Site Investigation and Remediation Expense (Electric and Gas) ... 63
10.1.7 Property Tax Expense (Electric and Gas) ... 63
10.1.8 Negative or Positive Revenue Adjustments (Electric and Gas) ... 64
10.1.9 Externally Imposed Costs (Electric and Gas) ... 64
10.1.10 Federal Tax Law Changes (Electric and Gas) ... 66
10.1.11 Internally-Adopted Accounting Changes (Electric and Gas) ... 67
10.1.12 Variable Pay (Electric and Gas) ... 68
10.1.13 Revenue Decoupling Mechanism (Electric and Gas) ... 68
10.1.14 Electric Net Utility Plant and Depreciation Expense Reconciliation Mechanism ... 69
10.1.15 Major Storm Expense (Electric Only) ... 70
10.1.16 Aggregation Fee (Electric Only) ... 70
10.1.17 Voltage Migration Fee (Electric Only) ... 71

10.1.18 Generation Stranded Cost (Electric Only) 71
10.1.19 Transmission Revenue Adjustment Clause (Electric Only) 71
10.1.20 Reforming the Energy Vision Demonstration Projects (Electric Only) 72
10.1.21 Gas Net Utility Plant and Depreciation Expense Reconciliation Mechanism 72
10.1.22 Oil Conversion Program (Gas Only) 74
10.1.23 Net Revenue Sharing (Gas Only) 74
10.1.24 Accrued Unbilled Revenue Deferral (Gas Only) 74
10.1.25 Continuing Electric Reconciliation Mechanisms 74
10.1.26 Continuing Gas Reconciliation Mechanisms 76
10.2 New Electric and Gas Reconciliations, Deferrals, and True-Ups 76
10.2.1 ETIP Costs (Electric and Gas) 77
10.2.2 Long-Term Debt True-Up (Electric and Gas) 77
10.2.3 Service Company Rents IS and GBE Program Net Utility Plant and Depreciation Expense Reconciliation Mechanism (Electric and Gas) 77
10.2.4 IS Capital Investment Cost Incentive (Electric and Gas) 77
10.2.5 Walk-in Payment Transaction Fees (Electric and Gas) 78
10.2.6 LED Energy Efficiency Program (Electric Only) 78
10.2.7 LED Capital Investment Tracker (Electric Only) 78
10.2.8 Vegetation Management Program Costs (Electric Only) 79
10.2.9 Platform Service Revenue (Electric Only) 79
10.2.10 Street Light RDM (Electric Only) 80
10.2.11 ETIP Revenues (Gas Only) 80
10.2.12 Gas Safety Programs 80
10.3 Additional Reconciliations, Deferrals, and True-Ups 80
11. Electric and Gas Service Quality Assurance Program and Other Performance Metrics 81
11.1 Service Quality Assurance Program 81
11.2 Termination and Uncollectible Expense Metric (Electric and Gas) 81
11.3 Gas Cost Estimating Metric 82
12. Gas Safety Performance Metrics 83
12.1 LPP Removal 84
12.1.1 Annual LPP Removal Metric 84
12.1.2 LPP Removal Incentive 84
12.2 Leak Management 85
12.2.1 Leak Backlog Metrics 85
12.2.2 Leak Repair Incentive 87
12.3 Damage Prevention 88
12.3.1 Damage Prevention Metric 88
12.3.2 Damage Prevention Incentive 89
12.4 Emergency Response 90
12.4.1 Emergency Response Metric 90
12.4.2 Emergency Response Incentive 90
12.5 Gas Safety Regulations Performance Metric 91
12.6 Gas Safety Reporting and Exceptions 93
13. Customer Programs 93

13.1 Low Income Energy Affordability Program 93
13.2 Energy Efficiency Program Costs 95
13.2.1 ETIP Costs 95
13.2.2 Internal Labor, EM&V, and E-Commerce Platform Costs 96
13.2.3 LED Energy Efficiency Program 96
13.2.4 Moderate Income Energy Efficiency Offering 97
13.3 Economic Development Programs 97
13.3.1 Economic Development Fund Program 97
13.3.2 Economic Development Grant Program 98
13.4 Call Center Technology Upgrades 98
13.5 Bill Payment Options 99
13.5.1 Walk-in Payment Transaction Fees 99
13.5.2 Credit/Debit Card Transaction Fees 99
13.6 Same-Day Electric Customer Reconnections 99
13.7 Payment Agreements 100
13.7.1 Training Materials and Customer Messaging 100
13.7.2 Recording Calls 101
13.7.3 Written Confirmation of Collections Arrangements 101
13.7.4 Electronic Deferred Payment Agreements 101
13.8 Gas Programs 102
13.8.1 Commercial Gas Demand Response Project 102
13.8.2 Oil Conversion (Gas) Program 102
13.8.3 Neighborhood Expansion Program 103
13.8.4 Low Income CIAC Relief Program 104
13.8.5 Renewable Gas Interconnection Standards 104
13.8.6 Non-Pipeline Alternative Incentive Mechanism 105
13.9 Electric Customer Products 105
13.10 SC-1 Alternative Rate Structures 106
13.11 Electric Vehicle Statewide Proceeding 107
14. Earnings Adjustment Mechanisms 107
15. Miscellaneous Provisions 107
15.1 Electric Supply Matters 107
15.1.1 Avoided Capacity and Ancillary Service Costs 107
15.1.2 NYISO Weather Normalizing Adjustment 107
15.1.3 Electricity Supply Reconciliation Mechanism 108
15.2 Gas Supply Matters 108
15.2.1 Long-Term Capacity Planning Changes for East Gate and West Gate 108
15.2.2 Delivery Nomination Procedures for East Gate Constraint 108
15.2.3 New Gas Cost Mechanism for SC-8 D-1 Sales Service 109
15.3 ESCO Gas Matters 110
15.3.1 Retail Choice Program Capacity Modifications 110
15.3.2 Allocation of the Proceeds of Asset Management Agreements 111
15.4 AMI 112
15.5 Corporate Structure, Affiliate Rules, and Miscellaneous Corporate Provisions 115
15.6 Recognition of Policy Proceedings 115

15.7 Clifton Park REV Demonstration Project 116
15.8 2000 New York State Income Tax Change..... 116
15.9 Filing for New Base Delivery Rates During the Term of the Rate Plan 116
16. Other Provisions..... 118
16.1 Submission to the Commission 118
16.2 Conditioned on Commission Adoption/ No Severability..... 118
16.3 Application of Agreement/No Precedent 118
16.4 Future Actions/ Dispute Resolution 119
16.5 Continuation 119
16.6 Extension 120
16.7 Entire Agreement 120
16.8 Counterparts 120

List of Appendices

Appendix	Description
1.	Electric and Gas Revenue Requirements and Support
2.	Electric Revenue Allocation and Rate Design
3.	Gas Revenue Allocation and Rate Design
4.	Earnings Report
5.	Electric Reconciliations, Deferrals, and True-Ups
6.	Gas Reconciliations, Deferrals, and True-Ups
7.	Earnings Adjustment Mechanisms
8.	List of Identified High Risk and Other Risk Pipeline Safety Regulations
9.	Electric and Gas Pension and OPEB Expense Provisions
10.	Gas Business Enablement Program Scope and Key Performance Indicators
11.	TPG Nomination Procedures
12.	D1 Election Guidelines
13.	Non-Wires Alternatives Process
14.	Major Storm Expense Provisions
15.	Service Quality Assurance Program
16.	Corporate Structure, Affiliate Rules, and Miscellaneous Corporate Provisions

STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

Case 17-E-0238 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Niagara Mohawk Power Corporation d/b/a National Grid for Electric Service

Case 17-G-0239 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Niagara Mohawk Power Corporation d/b/a National Grid for Gas Service

Case 14-M-0042 – Petition of Niagara Mohawk Power Corporation d/b/a National Grid for Authorization to Defer an Actuarial Experience Pension Settlement Loss for Fiscal Year 2014

Case 12-G-0202 – Petition of Niagara Mohawk Power Corporation d/b/a National Grid to Modify its Existing Gas Safety Metric

---

JOINT PROPOSAL

This Joint Proposal ("Joint Proposal") is made this 19th day of January 2018, by and among Niagara Mohawk Power Corporation d/b/a National Grid ("Niagara Mohawk" or "Company"), New York State Department of Public Service Staff ("Staff"), Multiple Intervenors, Pace Energy and Climate Center ("Pace"), Environmental Defense Fund ("EDF"), International Brotherhood of Electrical Workers, Local Union 97, New York Geothermal Energy Organization, Inc., Tesla, Inc., City of Buffalo, City of Albany, City of Syracuse, ChargePoint, Inc., Great Eastern Energy, Mirabito Natural Gas, Blue Rock Energy, Inc., Direct Energy Services, LLC, the New York State Office of General

Services ("OGS"), Wal-Mart Stores East, LP and Sam's East, Inc., and the New York Power Authority ("NYPA")[1] (collectively, the "Signatory Parties").[2,3]

This Joint Proposal establishes a three-year rate plan for Niagara Mohawk's electric and gas businesses and resolves or establishes a framework for resolving all issues raised in Cases 17-E-0238 and 17-G-0239 ("Rate Cases"). Additionally, this Joint Proposal resolves all issues raised in the Company's petitions in Case 14-M-0042[4] ("Pension Settlement Loss Petition") and the petition dated June 22, 2016 in Case 12-G-0202[5] ("Gas Safety Metric Petition").

I. Procedural Background

1. Rate Cases

On April 28, 2017, Niagara Mohawk filed tariff leaves and supporting testimony and exhibits for new rates and charges for electric and gas service to be effective

---

[1] OGS and Wal-Mart Stores East, LP and Sam's East, Inc. sign this Joint Proposal in support of Case 17-E-0238 and take no position with respect to Case 17-G-0239. NYPA signs this Joint Proposal in support of the street light issues in Case 17-E-0238 and takes no position with respect to any other issues.

[2] In addition, the Public Utility Law Project of New York, the Utility Intervention Unit of the New York State Department of State's Division of Consumer Protection ("UIU"), Partnership for the Public Good, the North Country Energy Task Force, Advanced Energy Economy Institute, Castleton Power LLC, Indeck-Corinth LP, OSC Manufacturing & Equipment Services, Inc., and Alliance for Solar Choice, while not signing this Joint Proposal, have stated that they will not oppose it.

[3] The parties included on the parties list maintained by the New York State Public Service Commission ("Commission") in these proceedings are referred to as "active parties."

[4] Case 14-M-0042, Petition of Niagara Mohawk Power Corporation d/b/a National Grid for Authorization to Defer an Actuarial Experience Pension Settlement Loss for Fiscal Year 2014.

[5] Case 12-G-0202, Petition of Niagara Mohawk Power Corporation d/b/a National Grid to Modify its Existing Gas Safety Metric.

April 1, 2018.[6] The new tariffs were designed to increase electric and gas delivery revenues by approximately $326 million and $81 million, respectively.

On May 19, 2017, Niagara Mohawk held a technical conference to provide parties with an overview of the rate filings. A subsequent technical conference was held on June 27, 2017 to discuss the Company's Advanced Metering Infrastructure ("AMI") proposal.

Administrative law judges ("ALJs") were appointed to conduct the proceedings and to review Niagara Mohawk's rate filings. On June 1, 2017, the ALJs held a procedural conference that was immediately followed by a technical presentation by the Company discussing various aspects of the rate filings.

On June 7, 2017, the ALJs issued a *Ruling on Schedule* that provided dates for certain activities in the cases, including the filing of parties' initial and rebuttal testimony and hearings. The active parties engaged in extensive discovery throughout the proceedings, with the Company responding to more than 1,750 information requests.

Niagara Mohawk filed corrections and updates testimony and exhibits on July 10, 2017, decreasing the electric and gas revenue requirement to approximately $261 million and $70 million, respectively. On August 25, 2017, twelve parties, including Staff, filed testimony and exhibits addressing the Company's filing. Niagara Mohawk and eight other parties each filed rebuttal testimony and exhibits on September 15, 2017.[7]

---

[6] On May 3 and September 8, 2017, the Secretary issued Notices suspending the effective date of the Company's new rates until March 28, 2018.

[7] The rebuttal testimony and exhibits of Niagara Mohawk's depreciation witness was filed on September 28, 2017.

2. Pension Settlement Loss Petition

On February 28, 2014, the Company filed a petition for authorization to defer an actuarial experience pension settlement loss for fiscal year ("FY") 2014, the year ending March 31, 2014. The Company filed supplements to the petition on August 13, 2014 and September 2, 2015. The total loss for which the Company sought deferral treatment was $14.093 million.

3. Gas Safety Metric Petition

On June 22, 2016, Niagara Mohawk filed a petition in Case 12-G-0202 to: (i) reduce the negative revenue adjustments arising from the operation of the Gas Safety Regulations Performance metric for calendar years ("CY") 2013 and 2014 if the Company achieved certain performance targets in CY 2016; (ii) permit the Company to utilize any negative revenue adjustments resulting from the operation of the Gas Safety Regulations Performance metric in CYs 2013 and 2014 to fund gas safety and compliance improvement programs; and (iii) modify the Gas Safety Regulations Performance metric beginning in CY 2015 to provide for a cap on the number of instances of non-compliance subject to a negative revenue adjustment.

4. The Settlement Process

On September 11, 2017, Niagara Mohawk notified the active parties of the commencement of settlement negotiations pursuant to the Commission's settlement procedures set forth in 16 NYCRR § 3.9 and filed a formal notice of impending settlement negotiations with the Secretary.

Settlement negotiations were held on September 19 and 29; October 3-4, 10-11, 13, 16-19, and 26; November 1-3, 7-8, 16, and 27; and December 14, 19, 20, and 22,

2017. All settlement conferences were duly noticed to the active parties and held in person or by telephone. In person conferences included the option to participate via video conference and/or telephone.

To facilitate settlement discussions and allow time to finalize this Joint Proposal, on September 20, October 24, and November 22, 2017, Niagara Mohawk filed requests to extend the suspension period (most recently through July 1, 2018), subject to a make whole provision that would restore the Company to the same financial position it would have been in had there been no extension and new rates went into effect on April 1, 2018.

This Joint Proposal is the product of the active parties' settlement negotiations and was developed pursuant to, and in accordance with, the Commission's settlement procedures. The Signatory Parties believe that this Joint Proposal represents a fair and reasonable resolution of the issues presented in these proceedings and satisfies the requirements of Public Service Law § 65(1) that Niagara Mohawk provide safe and adequate service at just and reasonable rates.

II. Overall Framework

The Signatory Parties have developed a comprehensive set of terms and conditions for a three-year rate plan for Niagara Mohawk's electric and gas businesses. The terms and conditions of this rate plan are set forth below and in the attached Appendices. Specifically, this Joint Proposal addresses the following topics:

1. Effective Date and Term;
2. Electric and Gas Revenue Requirements;
3. Electric Revenue Allocation and Rate Design;
4. Gas Revenue Allocation and Rate Design;

5. Computation and Disposition of Excess Earnings;
6. Electric Capital and Common Investment Levels and Infrastructure and Operations Programs;
7. Gas Capital Investment Levels and Infrastructure and Operations Programs;
8. Information Services;
9. Street Lighting;
10. Electric and Gas Reconciliations, Deferrals, and True-ups;
11. Electric and Gas Customer Service Quality Assurance Program and Other Performance Metrics;
12. Gas Safety Performance Metrics;
13. Customer Programs;
14. Earnings Adjustment Mechanisms;
15. Miscellaneous Provisions; and
16. Other Provisions.

III. Definitions

"Effective Date" means April 1, 2018, or such other date as the Commission may determine.

"Rate Year One" means April 1, 2018 through March 31, 2019.

"Rate Year Two" means April 1, 2019 through March 31, 2020.

"Rate Year Three" means April 1, 2020 through March 31, 2021.

The three rate years are collectively referred to herein as "Rate Years" and individually as a "Rate Year."

IV. Rate Plan

1. Effective Date and Term

The term of Niagara Mohawk's electric and gas rate plan is three years, beginning April 1, 2018 and continuing through March 31, 2021 ("Rate Plan"). For administrative reasons, certain targets and mechanisms are on different twelve month schedules (*e.g.,* CY periods), as provided herein. In addition, unless specifically noted in this Joint Proposal, all terms of this Joint Proposal will continue in effect until changed by the Commission.

2. Electric and Gas Revenue Requirements

2.1 Rate Plan Revenue Requirements

This Joint Proposal provides for a Rate Year One electric revenue requirement increase of $159.974 million and a gas revenue requirement increase of $45.524 million, a Rate Year Two electric revenue requirement increase of $31.014 million and a gas revenue requirement increase of $5.344 million, and a Rate Year Three electric revenue requirement increase of $49.801 million and a gas revenue requirement increase of $9.951 million.

The components of the electric and gas revenue requirements are set forth in Appendix 1, Schedules 1 and 2. The revenue requirements are based on the following parameters:

a. a return on equity ("ROE") of 9.0 percent[8] for the term of the Rate Plan that reflects (i) a stay-out premium and (ii) annual productivity savings that are incremental to productivity savings otherwise imputed in the revenue requirements.

b. a capital structure and overall cost of capital consisting of the following components and rates:

Rate Year One

	% of Capital	Annual Cost	Weighted Cost Percent	Weighted Cost Pre Tax
Long-Term Debt	51.06%	4.29%	2.19%	2.19%
Customer Deposits	0.48%	0.35%	0.00%	0.00%
Preferred Stock	0.46%	3.66%	0.02%	0.03%
Common Equity	48.00%	9.00%	4.32%	5.85%
Total Capital	**100.00%**		**6.53%**	**8.07%**

Rate Year Two

	% of Capital	Annual Cost	Weighted Cost Percent	Weighted Cost Pre Tax
Long-Term Debt	51.06%	4.19%	2.14%	2.14%
Customer Deposits	0.48%	0.35%	0.00%	0.00%
Preferred Stock	0.46%	3.66%	0.02%	0.03%
Common Equity	48.00%	9.00%	4.32%	5.85%
Total Capital	**100.00%**		**6.48%**	**8.02%**

[8] One pre-tax basis point is equivalent to approximately: (i) $0.342 million and $0.080 million in electric and gas revenues, respectively, in Rate Year One; (ii) $0.364 million and $0.086 million in electric and gas revenues, respectively, in Rate Year Two; and (iii) $0.387 million and $0.093 million in electric and gas revenues, respectively, in Rate Year Three. These values are illustrative and will be updated based on actual data available as of December of each Rate Year for purposes of calculating negative or positive revenue adjustments.

Rate Year Three

	% of Capital	Annual Cost	Weighted Cost Percent	Weighted Cost Pre Tax
Long-Term Debt	51.06%	4.13%	2.11%	2.11%
Customer Deposits	0.48%	0.35%	0.00%	0.00%
Preferred Stock	0.46%	3.66%	0.02%	0.03%
Common Equity	48.00%	9.00%	4.32%	5.85%
Total Capital	**100.00%**		**6.45%**	**7.99%**

c. A 48 percent common equity ratio.

d. A Rate Year One electric rate base of $5.261 billion and a gas rate base of $1.232 billion, a Rate Year Two electric rate base of $5.605 billion and a gas rate base of $1.323 billion, and a Rate Year Three electric rate base of $5.952 billion and a gas rate base of $1.432 billion.

e. Niagara Mohawk's electric and common depreciation rates have been updated and are set forth in Appendix 1, Schedule 3. The Company's gas transmission plant and distribution plant depreciation rates previously adopted by the Commission in Case 12-G-0202 will continue without change and are included for reference in Appendix 1, Schedule 4. The current gas general plant depreciation rates previously adopted by the Commission in Case 08-G-0609 will also continue without change and are included for reference in Appendix 1, Schedule 4.

2.2 Rate Plan Deferral Credits

To promote rate stability and mitigate bill impacts for customers, over the term of the Rate Plan,[9] the Company will credit electric customers with a portion of the forecast electric deferral balance in the amount of $200.4 million and credit gas customers with a portion of the forecast gas deferral balance in the amount of $56.1 million. The credits will allow for a gradual transition to full cost-of-service rates (*i.e.,* step increases from Rate Year One to Rate Year Two, from Rate Year Two to Rate Year Three, and from Rate Year Three to the twelve-months ending March 31, 2022), as reflected in Appendix 2, Schedule 3.5 for electric, and in Appendix 3, Schedules 2 and 3 for gas.

The deferral credits will be calculated by taking a pro rata share from the overall projected deferred credit balances, as illustrated in Appendix 5, Schedule 23 for electric and Appendix 6, Schedule 20 for gas. The allocation of credits to the electric and gas service classes is discussed in Sections 3.4 and 4.4, respectively, below.

2.3 Rate Plan Settlement Deferral Credit

As of the Effective Date, Niagara Mohawk will create a new electric deferral credit of $44.88 million and a new gas deferral credit of $28.42 million ("Rate Plan Settlement Credits"). In addition to creating the Rate Plan Settlement Credits, the Company will reduce pension funding in the internal reserve required under the Commission's *Statement of Policy and Order Concerning The Accounting and Ratemaking Treatment for Pension and Post-Retirement Benefits Other than Pensions* (issued September 7, 1993) in Case 91-M-0890 ("Pension & OPEB Statement of Policy")

[9] For certain rate classes, this includes using credits in the twelve-month period ending March 31, 2022 to mitigate bill impacts at the conclusion of Rate Year Three.

by $7.0 million in Rate Year One. The Rate Plan Settlement Credits and the internal reserve pension funding will resolve, with prejudice, the following:

a. all issues associated with the Staff Policy Panel's testimony that the Company should be required to write-off approximately $87.7 million of undepreciated investment in retired pre-Automated Meter Reading ("AMR") meters;

b. all issues associated with the treatment of bonus depreciation related to capital investments made during the period January 1, 2013 through March 31, 2016, as raised in the testimony of the Staff Accounting Panel;

c. all issues raised by the Company's petitions in Case 14-M-0042 to defer a FY 2014 actuarial experience pension settlement loss;

d. all issues associated with negative revenue adjustments arising from the operation of the Company's Gas Safety Regulation Performance metric for CYs 2013 through 2015 and the Company's Gas Safety Metric Petition. There will be no changes to the operation of the Gas Safety Metric for the period prior to January 1, 2018. This Joint Proposal does not address the outcomes of the CY 2016 or CY 2017 field and record Gas Safety audits, or associated negative revenue adjustments;[10] and

e. all issues associated with the Staff Gas Rates Panel's testimony in these proceedings that the Company should refund Lost and Unaccounted For ("LAUF") gas benefits allegedly retained by the Company as a result of gas usage on inactive accounts.

Niagara Mohawk will use (i) $8.971 million of the gas Rate Plan Settlement Credits to fund Gas Safety programs that are more fully described in Section 7.5 of this

[10] Any negative revenue adjustments associated with CY 2016 or CY 2017 will be deferred and dedicated to the improvement of the safety of the Company's gas network.

Joint Proposal and (ii) $5 million to fund future gas safety and compliance improvement programs, as discussed in Section 7.5.

The Company will use $6.2 million of the electric Rate Plan Settlement Credits in each Rate Year ($18.6 million in total) to amortize an equivalent amount of its undepreciated investment in pre-AMR meters. The unamortized balance of pre-AMR meter investment will remain in the Company's rate base. The Signatory Parties will not propose to require the Company to write-down any of its investment in pre-AMR meters in any future proceeding. This does not preclude further amortization of the remaining balance of pre-AMR meter investment with rate base treatment on any unamortized balance.

2.4 Make Whole Provision

To the extent Commission approval of this Joint Proposal occurs after April 1, 2018, Niagara Mohawk will recover the revenue shortfall resulting from the extension of the suspension period through a make whole provision. The make whole provision is designed to ensure that, by March 31, 2019, Niagara Mohawk is restored to the same financial position it would have been in had rates gone into effect on April 1, 2018.

Niagara Mohawk will calculate any revenue adjustments as the difference between (i) sales revenues Niagara Mohawk would have billed at new rates, net of deferral sur-credits and NYPA Energy Efficiency Transition Implementation Plan ("ETIP") credits, during the extension of the suspension period and (ii) the level of sales revenue at current rates. The revenue adjustments will include all applicable surcharges and carrying charges, and be subject to reconciliation in accordance with all applicable

adjustment mechanisms (including revenue decoupling, where applicable). Financial true-up targets established in this Joint Proposal, as well as depreciation and amortization expense, will be applied to the extension of the suspension period. All accounting/ratemaking will be in accordance with this Joint Proposal and be effective as of April 1, 2018. An example of the make whole calculation is set forth in Appendix 1, Schedule 6.

3. Electric Revenue Allocation and Rate Design

3.1 Retail Delivery Electric Revenue Forecast

The retail delivery electric revenue forecast used to develop base rates and the reconciliation to total electric Operating Revenue for the Rate Years is set forth in Appendix 2, Schedule 1.

3.2 Electric and Street Lighting Revenue Allocation

Rate Year One revenue will be allocated to service classes as shown on Appendix 2, Schedule 2. Revenues in Rate Year Two and Rate Year Three will be allocated to all classes using system average increases, as shown on Appendix 2, Schedule 2.

3.3 Electric and Street Lighting Rate Design

Niagara Mohawk's existing electric and street lighting rate design will continue with the modifications described in the sections below, and as shown on Appendix 2, Schedule 3. Bill impacts resulting from this rate design are shown in Appendix 2, Schedule 8.

3.3.1 Electric

a. The Company will include the costs of the electric ETIP in base electric delivery rates, as described in Section 13.2.1. Allocation of electric ETIP costs will be as set forth in Appendix 2, Schedule 11. The Signatory Parties agree that this allocation methodology does not create any binding precedent for future proceedings. The Company will apply a credit to maintain current exemptions from the System Benefit Charge ("SBC").

b. The customer charges for SC-3A and SC-3 are shown in the table below. The customer charges applicable to other service classes and the other voltage delivery levels within SC-3 and SC-3A will remain at existing levels.

	Current	Rate Year 1	Rate Year 2	Rate Year 3
SC-3 Secondary	$260.15	$325.00	$390.00	$455.00
SC-3 SubT/Tran	$565.23	$639.00	$712.00	$786.00
SC-3A Secondary/Primary	$1,000.00	$1,333.33	$1,666.67	$2,000.00
SC-3A SubT	$1,400.00	$1,744.00	$2,088.00	$2,432.00
SC-3A Tran	$3,500.00	$4,007.00	$4,513.00	$5,020.00

c. SC-7 (standby rates) will be modified as follows:

i. To qualify as an Environmentally Advantageous Technology ("EAT") under SC-7, the NO_x emissions rates must be less than or equal to 1.4 lbs/MWh. Units that have completed a Coordinated Electric System Interconnection Review ("CESIR") study by April 1, 2018 in accordance with the previously applicable standard will be grandfathered.

ii. Energy storage technologies with inverter capability of up to 1 MW also will qualify as EATs.

iii. The percentage of "local" and "shared" costs to be recovered through the Contract Demand Charge and the As Used Daily Demand Charge, respectively, will be modified, as shown in Appendix 2, Schedule 5.

3.3.2 Street Lights

a. The street light class returns will be set equal to the system average return after the rate increase.

b. Pricing exception facilities will receive the system average percentage increase each year, and pricing exception treatment at existing locations will continue; provided, however, that if changes are made to one or more components of a pricing exception facility combination, pricing exception treatment for the affected location will be discontinued thereafter.

c. The Company's street light rates reflect 10 W billing ranges for customer-owned light emitting diodes ("LED"). LED luminaires will be categorized based on ANSI-approved labelled wattage, plus 1 W for the photo-electric control.

d. Billing changes due to equipment changes will take effect at the beginning of the customer's next billing cycle to avoid mid-cycle adjustments.

3.4 Deferral Credits

3.4.1 Allocation of Deferral Credits to Service Class Voltage Delivery Levels

The deferral credits described in Section 2.2 will be allocated to service class voltage delivery levels based on the ratio of delivery revenue at present rates, as shown on Appendix 2, Schedule 3.5. The deferral credits will be applied as a sur-credit that expires on March 31, 2021 (except for SC-1C and SC-2ND, which will expire on March 31, 2022).

3.4.2 Service Class Deferral Credits

The service class deferral credits will be charged on a per kWh basis for non-demand classes and on a per kW basis for demand classes in the amounts shown in Appendix 2, Schedules 3.1A, 3.2A, and 3.3A. The service class deferral credits will be applied to delivery load, including all NYPA load. The deferral credits will not be applied to load served at Empire Zone Rider ("EZR") or Excelsior Jobs Program ("EJP") rates, or to the Street Lighting Service Classifications.

3.5 Revenue Decoupling Mechanism

Niagara Mohawk's current RDM (as set forth in the Company's Electric Tariff PSC 220 ("PSC 220") Rule 57) will continue with the following modifications:

a. The RDM will include NYPA load revenue (including ReCharge New York) in each service class's otherwise applicable parent service class target and reconciliation.

b. The annual target revenues for reconciliation purposes are set forth in Appendix 2, Schedule 6. These revenues will include electric ETIP revenue moved from a surcharge into base rates. The RDM reconciliation period will be a twelve-month fiscal year period (*i.e.*, April 1 through March 31).

c. The Company will establish a single RDM to be instituted for all Lighting Tariff PSC 214 ("PSC 214") service classes. In the event that the Company transfers street lighting assets to one or more municipalities, the targets will be reduced to reflect changes in facilities charge revenues resulting from such sales.

3.6 Merchant Function Charge

Niagara Mohawk's current Merchant Function Charge ("MFC") (as set forth in PSC 220 Rule 42) will continue with the following modifications:

a. The commodity-related credit and collections revenue requirement will be set for Rate Year One using the Company's electric Embedded Cost of Service Study ("ECOSS") in this proceeding and held constant thereafter. The amounts are shown in Appendix 2, Schedule 7.1 for all three Rate Years. The kWh rates for the commodity-related credit and collections component of the MFC will be based on forecast full-service and purchase of receivables ("POR") kWh in each customer group. The commodity-related credit and collections target revenue for each Rate Year is $4.044 million.

b. The commodity-related uncollectible account expense components are shown in Appendix 2, Schedule 7.2 for all three Rate Years.

c. The electric supply procurement revenue requirement will be set for Rate Year One using the Company's electric ECOSS in this proceeding and held constant

thereafter. The rates for electric supply procurement are shown in Appendix 2, Schedule 7.3 for all three Rate Years. The electric supply procurement target revenue for each Rate Year is $3.070 million.

d. The commodity-related working capital will be calculated by multiplying the commodity lead/lag percentage by the Company's pre-tax weighted average cost of capital applicable in each Rate Year.

3.7 Miscellaneous Electric and Street Lighting Provisions

3.7.1 Service Re-Establishment Charge

The re-establishment charges under PSC 220 Rule 9 will be updated as follows:

a. At the meter during normal business hours: $50.00

b. At the meter after hours: $64.00

c. At the pole during normal business hours: $209.00

d. At the pole after hours: $372.00

The partial re-establishment charges for seasonal customers under PSC 220 Rule 9.2.2 will be updated as follows:

a. At the meter during normal business hours: $25.00

b. At the meter after hours: $26.00

c. At the pole during normal business hours: $45.00

d. At the pole after hours: $47.00

3.7.2 ESCO Disconnection Charge

The charges applicable to a disconnection initiated by an energy service company ("ESCO") for non-payment of the commodity charges will be updated to $50.00 at the meter and $209.00 at the pole.

3.7.3 Billing Backout Credit

The updated billing charges to ESCOs to issue a consolidated bill will be $0.98 to an ESCO that supplies electricity to an electric-only customer and $0.49 to an ESCO that supplies electricity to a dual electric and gas customer. The customer backout credit will equal the ESCO billing charge.

3.7.4 Paperless Billing Credit

The paperless billing credit will be updated to $0.41 per service period.

3.7.5 Incremental Customer Charge

The incremental customer charge assessed to customers that participate in (i) emergency demand response programs; (ii) day-ahead demand response programs; (iii) commercial system relief programs; or (iv) distribution load relief programs is reduced to $12.42 per month.

3.7.6 Expansion of SC-12

The Company will expand the eligibility of SC-12 discounts to include NYPA deliveries.

3.7.7 Miscellaneous Changes to PSC 220

a. Tariff Rule 31 (Market Settlement Credit) will be eliminated.

b. Tariff Rules 34.1.1.1 (Economic Development Rider), 34.1.1.3 (Economic Development Power Rider), and 34.1.1.4 (Power for Jobs) will be eliminated.

c. The charge for ESCO-requested bill calculations will be eliminated on Leaf 88.

d. Tariff Rule 59 (Temporary Deferral Recovery Surcharge/Credit) will be eliminated.

3.7.8 Removed Street Light Facility Offerings

The Company will remove four high intensity diode ("HID") continuous operation closed facilities from the SC-6 offering. The Company does not currently serve any customers with these facilities.

3.7.9 Lighting Service Charge; Outage Credit

The Company will update the Lighting Service Charge to $153.82 per occurrence. The Company will decrease the SC-3 Outage Credit Allowance to $0.19 per lamp per night.

3.8 Earnings Adjustment Mechanisms Surcharge

The Company will be permitted to recover earned electric Earnings Adjustment Mechanisms ("EAM") positive revenue adjustments through an EAM surcharge beginning April 1, 2019. The Company will allocate (i) the Peak Reduction EAM using the Coincident Peak allocator, (ii) the Incremental Energy Efficiency, the Residential and Commercial Energy Intensity, and the LED Streetlight EAMs using the energy allocator, and (iii) the Distributed Energy Resources ("DER") Utilization, Interconnection, and the Environmentally Beneficial Electrification EAMs using the Coincident Peak, Non-

Coincident Peak at Primary Voltage, and Energy allocators, each with equal weight. The EAMs will be collected from demand classes through their kW charge and non-demand classes through their kWh charge, including NYPA load, but excluding EZR, EJP, and SC-12 load (if required by the customer's individual contract). An illustrative example of the EAM surcharge is shown in Appendix 2, Schedule 9.

3.9 Economic Development/Marginal Cost Rates

The Company will adopt new marginal cost rates effective April 1, 2018, as shown in Appendix 2, Schedule 10. The EZR rate for SC-2 ND customers will be phased in over a five-year period. Niagara Mohawk will also phase in the electric EJP rates over a five-year period for those classes seeing an increase, subject to EJP customers being the lower of EJP rates or standard tariff rates.

3.10 Next Base Rate Filing

3.10.1 Sales and Revenue Forecasts

In its next base rate filing, Niagara Mohawk will update its delivery sales and revenue forecasts when it files its corrections and updates to the initial rate filing.

3.10.2 Historical Embedded Cost of Service Study

In its next base rate filing, Niagara Mohawk will submit an historical ECOSS along with its responses to the pre-filing information requests to the active parties in that proceeding. Niagara Mohawk will not be required to use the results of that study for any purpose.

3.10.3 Information Services Expense Allocator

In its next base rate filing, Niagara Mohawk will consider a specific allocator for Information Services projects equal to or greater than $1 million.

3.10.4 Minimum System Study

The Company will maintain data necessary to conduct a minimum system study for overhead and underground conductor accounts and transformer accounts and provide the minimum system study in its next base rate filing.

4. Gas Revenue Allocation and Rate Design

4.1 Gas Revenue Forecast

The gas revenue forecast at current rates is set forth in Appendix 3, Schedule 1.1. The gas delivery rate revenue forecast used to develop base rates and the reconciliation to total gas Operating Revenue for the Rate Years is set forth in Appendix 3, Schedule 1.2. A summary of Other Revenues for each of the Rate Years is also set forth in Appendix 3, Schedule 1.1.

4.2 Gas Revenue Allocation

The Rate Year One revenue increase will be allocated to service classes as set forth in Appendix 3, Schedule 2. Revenue increases in Rate Years Two and Three will be allocated as set forth in Appendix 3, Schedule 3.

4.3 Gas Rate Design

Niagara Mohawk's gas rates will be revised, as shown in Appendix 3, Schedule 4, with the following modifications:

a. The Company will include the costs of the gas ETIP in base gas delivery rates, as described in Section 13.2.1 below. Allocation of ETIP costs will be as set forth in Appendix 3, Schedule 12. The Signatory Parties agree that this allocation methodology does not create any binding precedent for future proceedings. The SBC exemption will continue for classes SC-6, SC-9, SC-10, SC-12, SC-13, SC-14, and New York State Electric and Gas Corporation ("NYSEG"). There will be no RDM for SC-3, SC-5, and SC-8; therefore, any energy efficiency costs included in base rates for these classes will be separately reconciled with any over/under-recovered amounts to be deferred for future refund to, or recovery from customers, as discussed in Section 10.2.11.

b. The minimum delivery service charges for the Rate Years are set forth in Appendix 3, Schedules 4.1 through 4.3. The minimum delivery service charge to all service classes will remain the same, except for SC-5 and SC-8 (shown in the table below).

	Current	**Rate Year 1**	**Rate Year 2**	**Rate Year 3**
SC-5	$522.38	$555.00	$587.00	$620.00
SC-8	$924.04	$1,040.00	$1,155.00	$1,271.00

c. Bill impacts resulting from this rate design are shown in Appendix 3, Schedules 5.1 through 5.3.

d. NYSEG will receive equal percentage increases to its demand charge, customer charge, and block rate.

4.4 Deferral Credits

The deferral credits described in Section 2.2 will be allocated to the firm service classes (including NYSEG but excluding SC-9, SC-10, SC-12, SC-13, and SC-14) proportionate to delivery revenues at present rates using the allocators set forth in Appendix 3, Schedules 2 and 3. The deferral credits will not be allocated to load served at EZR or EJP rates. The deferral credits will be applied as a sur-credit that expires on March 31, 2021 (except for SC-3 and SC-8, which will expire on March 31, 2022).

4.5 LAUF Gas

4.5.1 Target and Deadbands

As set forth in Appendix 3, Schedule 8, effective September 1, 2018, the LAUF gas target and deadbands are as follows:

LAUF Target	1.516%
Upper Band	2.516%
Lower Band	0.516%

4.5.2 Inactive Accounts Adjustment

Beginning September 1, 2018, Niagara Mohawk will remove from the LAUF calculation an estimate of gas usage associated with meters that have been inactive for more than 90 days. Inactive meters are those that are not associated with an active customer account. To estimate usage, Niagara Mohawk will develop usage proxies that will be applied to meters that were inactive 90 days or more during each Gas Adjustment Charge ("GAC") period beginning September 1, 2018. To determine the proxies, Niagara Mohawk will calculate a monthly class-average use on inactive meters that

continue to report consumption during the GAC year. The applicable historic reference proxy will be applied to each meter that is inactive 90 days or more to determine the amount of gas to be excluded from the LAUF calculation.

4.6 Revenue Decoupling Mechanism

Niagara Mohawk's current RDM (as set forth in Gas Tariff PSC 219 ("PSC 219") Rule 32) will continue with updated revenue-per-customers targets for each of the following six groups: SC-1 Residential Non-heat, SC-1 Residential Heating, SC-2 Small General Residential, SC-2 Small General Commercial, SC-2 Small General Industrial, and SC-7 Small Transportation, and will include gas ETIP revenue moved from a surcharge into base rates, as shown in Appendix 3, Schedules 7.1 through 7.3.

4.7 Merchant Function Charge

Niagara Mohawk's current MFC (as set forth in PSC 219 Rule 33) will continue with the following modifications:

a. The MFC annual expense targets and annual reconciliation will be on a Monthly Cost of Gas ("MCG") year (twelve months ending August 31) basis to align the MFC reconciliation with the Company's Cost of Gas reconciliation. The conversion of the annual expense targets of the gas supply procurement and commodity-related credit and collection charge from Fiscal Year to MCG year is shown in Appendix 3, Schedule 6.2. An illustrative example of the stub period (April 1, 2018 to August 31, 2018) reconciliation is shown on Appendix 3, Schedule 6.1.

b. The MFC will be updated to reflect the Gas Supply Procurement target of $1.39 million, and the Commodity Related Credit and Collection target of $1.08 million, as shown in Appendix 3, Schedule 6.2.

c. The return requirement on gas purchase related to working capital will updated to reflect the lead-lag rate and the Company's pre-tax weighted average cost of capital, as shown in Appendix 3, Schedule 6.3.

d. The commodity-related credit and collection expense target revenue requirement will be allocated between residential and non-residential customers in the amount of $1.084 million and $0.045 million, respectively, as shown in Appendix 3, Schedule 6.3.

e. The Company will separately reconcile revenues to targets for residential and non-residential commodity-related credit and collection expenses. The Company will reset its commodity-related credit and collection expense per therm charge annually based on the latest sales forecast every September 1, and reconcile the revenue to target, effective the following January of each year.

f. The commodity-related uncollectible rate, which is 3.2 percent for residential and 0.3 percent for non-residential customers, will be calculated by dividing net write-offs by the sum of (i) total revenue exclusive of Other Gas Revenues; (ii) Late Payment Charge Revenues; and (iii) receivables purchased under the Company's POR program.

g. The Company will update the discount rate applicable to the purchased receivables to reflect the commodity-related uncollectible percentage and will update the commodity-related credit and collections rates applicable to the POR program that are

being proposed in this case. The credit and collections rate and the uncollectible percentage applicable to ESCOs will equal the Company's MFC charged to its sales customers.

h. The Company will update the return requirement on gas storage inventory target annually based on the latest storage cost forecast and will also update the pre-tax weighted average cost of capital. An illustrative example of the calculation is shown in Appendix 3, Schedule 6.3.

4.8 Statements to be Eliminated and Tariff Modifications

PSC 219 will be revised as follows:

a. Niagara Mohawk will add language to Leaf 92 that defines the twelve-month period used to measure total demand costs for purposes of the Average Demand Cost of Gas calculation as September 1 through August 31 of each year.

b. Niagara Mohawk will add language stating that all monthly tariff statements are available on the Company's website.

c. Rule 22 (Economic Development Rider), Rule 24 (Economic Revitalization Incentive Rider), and Rule 34 (Deferral Credits) will be eliminated on Leaf 122.7.

d. The charge for ESCO requested bill calculations will be eliminated from Leaf 190.

4.9 Miscellaneous Gas Provisions

4.9.1 Electric Generation

The Company will modify the balancing provisions of SC-14 to provide that customers will incur no imbalance charges for daily imbalances that are less than or equal to two percent of their daily consumption. Daily imbalances that are less than or equal to two percent will be aggregated on a monthly basis and cashed out at a monthly index price equal to the simple average of the Dominion Northpoint midpoint, Dominion South Point, and the Iroquois receipts midpoint prices. The Company will also modify the balancing provisions that set forth the prices at which daily imbalances are cashed out to reflect the use of these same index prices to determine the daily Gas Sales and Gas Purchase prices. Any discounts or surcharges to any daily price applied to the purchase of gas as a result of an over-delivery or under-delivery, respectively, will be identified as penalties in PSC 219 and Gas Transportation Operating Procedures ("GTOP") manual.

4.9.2 Reconnection/Disconnect Charges

The service re-establishment charge during normal business hours is updated to $50.00. The charge to restore service outside of normal business is updated to $64.00. Additionally, when the ESCO requests that the Company disconnect service to the ESCO's sales customer for non-payment, the charge to the ESCO is updated to $50.00.

4.9.3 Paperless Billing

The updated paperless billing credit is $0.41 per service period.

4.9.4 Gas Billing Charge

The Company's gas billing charges will be as follows: $0.98 to an ESCO that supplies gas to a gas-only customer and $0.49 to an ESCO that supplies gas to a dual gas and electric customer.

4.9.5 Backout Credit Updates

The billing backout credit to gas only customers is updated to $0.98. The billing backout credit to a dual gas and electric customer that is supplied gas by an ESCO is updated to $0.49.

4.10 Earnings Adjustment Mechanisms Surcharge

The Company will be permitted to recover earned gas EAM positive revenue adjustments through an EAM surcharge beginning April 1, 2019. The Company will allocate any positive revenue adjustments to the service classes using the Gas Deliveries allocator, and collect any positive revenue adjustments on a per-therm basis, exclusive of EZR and EJP load. The EAM surcharge will be included in the delivery service adjustment ("DSA") recovered from SC-1, SC- 2, SC-3, SC-5, SC-7, SC-8, SC-12, and SC-13 firm sales and firm transportation customers. An example is shown in Appendix 3, Schedule 10.

4.11 Economic Development/Marginal Cost Rates

The Company will adopt new marginal cost rates effective April 1, 2018, as shown in Appendix 3, Schedule 11. Niagara Mohawk will phase in the gas EJP rates over a five-year period for those classes seeing an increase, subject to EJP customers receiving the lower of EJP rates or standard tariff rates. The Company will perform an

annual review of all EJP customer classes that may pay more on EJP marginal rates than on the otherwise applicable standard tariff rate. If that review indicates a customer paid more on EJP rates than on the standard tariff rate, the Company will provide a refund for the difference.

4.12 Next Base Rate Filing

4.12.1 Revenue Forecast

In its next base rate filing, Niagara Mohawk will update its revenue forecast when it files its corrections and updates to the initial rate filing. Additionally, the revenue forecast will utilize heating degree days ("HDDs") from Syracuse for the West Gate sales forecast and HDDs from Albany for the East Gate sales forecast.[11]

The Company will collaborate with Staff to improve its future revenue forecast with regard to input data sanitization, economic variable selection, and statistical tests. Further, the Company will use all data (zero usage to the largest usage in the service class) in its ogive analysis used in future base rate cases.

4.12.2 Historical ECOSS

In its next base rate filing, Niagara Mohawk will submit an historical ECOSS along with its responses to the pre-filing information requests to the active parties in that proceeding. Niagara Mohawk will not be required to use the results of that study for any purpose.

---

[11] The East Gate is the gates located east of Amsterdam, New York, and the West Gate is the gates located west of Amsterdam, New York.

4.12.3 Information Services Expense Allocator

In its next base rate filing, Niagara Mohawk will consider a specific allocator for Information Services projects equal to or greater than $1 million.

4.12.4 Minimum System Study/Zero Intercept Study

The Company will develop and maintain the data necessary to conduct a minimum system or zero intercept study for the distribution mains account and will provide the study in its next base rate filing.

4.12.5 Streamline PSC 219

The Company will conduct a study to streamline the general sections of PSC 219 with its downstate affiliates and file a report in its next base rate case.

4.12.6 Meeting to Discuss Residential Rate Design

Prior to its next gas base rate filing, the Company will hold a meeting with interested parties to discuss options for gas residential rate design. The input received at the meeting will help inform the Company's next base rate filing.

4.12.7 Gas SC-2/SC-7 Classification Issue

The Company will analyze the eligibility requirements and other terms of service for SC-2 and SC-7. In its next base rate filing, the Company will propose tariff modifications, as appropriate, to ensure that similarly-situated customers are subject to the same delivery rates regardless of their commodity supplier.

5. Computation and Disposition of Excess Earnings

5.1 Earnings Report

By August 31 of each year, commencing in CY 2019, the Company will file an earnings report using the methodology described in this Section and shown in Appendix 4. The earnings report will be used for the Earnings Sharing Mechanism set forth in Section 5.3.

The earnings report will calculate Niagara Mohawk's ROE for the preceding Rate Year using a capital structure with an equity component equal to 48 percent and incorporating the adjustments set forth below. In the event Niagara Mohawk does not file for new rates to be effective until after March 31, 2021, the earnings sharing threshold of greater than 9.5 percent for any period of time less than a year before new rates take effect will be prorated to develop a stub period earnings sharing threshold. The stub period will be calculated by adjusting the actual average rate base for that period by an operating revenue ratio factor. The operating revenue ratio factor will be calculated as the ratio of operating revenue during the same partial period in the previous Rate Year to the total operating revenue for that Rate Year. An example of the calculation for the stub period is shown in Appendix 4, Schedule 1.

5.2 Discrete Incentives and Negative Revenue Adjustments

Niagara Mohawk will calculate its ROE by excluding the effects of the following discrete incentives and negative and positive revenue adjustments:

a. Electric and Gas Customer Service Quality revenue adjustments;

b. Electric Reliability revenue adjustments, which include the Electric Cost Estimating and Inspection and Maintenance metrics;

c. Gas Safety Performance revenue adjustments;

d. Electric and Gas property tax sharing;

e. Gas revenue sharing for capacity release and off-system sales;

f. Gas revenue sharing for SC-6, SC-9, and SC-14;

g. Gas LAUF;

h. Electric and Gas Termination and Uncollectible Expense metric revenue adjustments;

i. Gas Cost Estimating metric revenue adjustments;

j. Electric and Gas EAMs;

k. Non-Wires Alternative and Non-Pipeline Alternative revenue adjustments;

l. Information Services Capital Cost Incentive revenue adjustments; and

m. Leak prone pipe productivity incentives.

5.3 Earnings Sharing Mechanism

If Niagara Mohawk's actual ROE in any Rate Year, excluding the discrete incentives and negative and positive revenue adjustments identified in Section 5.2, exceeds 9.5 percent, the amount in excess of 9.5 percent will be deemed "shared earnings" for the purposes of this Joint Proposal and be treated as follows:

5.3.1 ROE > 9.5% and ≤ 10.0%

If the level of earned ROE for Niagara Mohawk exceeds 9.5 percent but is less than or equal to 10.0 percent, 50 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 50 percent will be retained by Niagara Mohawk.

5.3.2 ROE > 10.0% and ≤ 10.5 %

If the level of earned ROE for Niagara Mohawk exceeds 10.0 percent but is less than or equal to 10.5 percent, 75 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 25 percent will be retained by Niagara Mohawk.

5.3.3 ROE >10.5%

If the level of earned ROE for Niagara Mohawk exceeds 10.5 percent, 90 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 10 percent will be retained by Niagara Mohawk.

6. Electric and Common Capital Investment Levels and Infrastructure and Operations Programs

6.1 Capital Investment Levels

Appendix 1, Schedule 5 sets forth the Company's forecast level of electric and common capital and cost of removal (where applicable) investment for each Rate Year. Notwithstanding the specified segment-level spending amounts set forth in Appendix 1, Schedule 5 nothing in this Joint Proposal is intended to limit Niagara Mohawk's flexibility during the term of the Rate Plan to substitute, change, or modify its capital projects.

6.2 Non-Wires Alternatives

In connection with the evaluation, implementation, cost allocation and recovery, incentive calculation and recovery, and other aspects of non-wires alternatives, the Company will follow the process described in Appendix 13.

6.3 Electric Capital Reporting Requirements

The Company will submit periodic reports regarding its electric infrastructure planning and investment to the Commission and Staff as follows:

a. Distributed System Implementation Plan ("DSIP") in accordance with Cases 14-M-0101 and 16-M-0411.

b. Annual Report on the Condition of Physical Elements of Transmission and Distribution Systems (commonly referred to as the Asset Condition Report) in accordance with Case 06-M-0878.

c. Annual Transmission and Distribution Capital Investment Plan (commonly referred to as the 5-year CIP) in accordance with Case 06-M-0878.

d. Annual Capital Investment Plan Quarterly Report in accordance with Case 06-M-0878.

e. 15-Year System Plan to be filed every two years in accordance with Case 08-E-0827. The 15-Year System Plan is to be filed in the opposite years in which the DSIP filing is submitted.

7. Gas Capital Investment Levels and Infrastructure and Operations Programs

7.1 Gas Capital Investment Levels

Appendix 1, Schedule 5 sets forth the Company's forecast level of gas capital and cost of removal (where applicable) investment by program for each Rate Year. Notwithstanding the specified segment-level and program/project level spending amounts set forth in Appendix 1, Schedule 5 nothing in this Joint Proposal is intended to limit Niagara Mohawk's flexibility during the term of the Rate Plan to substitute, change, or modify its capital projects.

7.2 Leak Prone Pipe Productivity Incentive

Niagara Mohawk's rates reflect the following unit costs for leak prone pipe ("LPP") replacements: Rate Year One - $184/foot, Rate Year Two - $188/foot, and Rate Year Three - $192/foot. If Niagara Mohawk achieves unit cost savings for proactive LPP replacements in a Rate Year as compared to the unit costs reflected in rates for that Rate Year, it will accrue a positive revenue adjustment as follows:

	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost Savings (%)	0 to < 1.50	≥ 1.50 to <3.00	≥3.00 to <4.50	≥4.50 to <6.00	≥ 6.00 to <7.50	≥7.50
Unit Cost Rate Year One	$184 to >$181	≤ $181 to > $178	≤ $178 to > $176	≤ $176 to > $173	≤ $173 to > $170	≤$170
Unit Cost Rate Year Two	$188 to >$185	≤ $185 to > $182	≤ $182 to > $180	≤ $180 to > $177	≤ $177 to > $174	≤$174
Unit Cost Rate Year Three	$192 to >$189	≤ $189 to > $186	≤ $186 to > $183	≤ $183 to > $180	≤ $180 to > $178	≤$178

Basis Points	0	2	4	6	8	10

Niagara Mohawk's eligibility for the LPP Productivity Incentive in each Rate Year is conditioned upon Niagara Mohawk removing, at a minimum, the minimum removal target in the relevant CY (see Section 12.1.1). Unit costs for purposes of the LPP Productivity Incentive will be calculated by dividing Niagara Mohawk's actual costs for proactive LPP removals by the total number of LPP feet removed from service through Niagara Mohawk's proactive main replacement program in the relevant Rate Year. Any positive revenue adjustment earned in a Rate Year will be deferred for future collection from customers. An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 16.

7.3 Gas Safety and Reliability Surcharge

Niagara Mohawk will establish a Gas Safety and Reliability Surcharge to recover (i) the cost to replace incremental LPP (Section 7.3.1) and (ii) the cost to repair additional Type 3 leaks (Section 7.3.2).

7.3.1 Recovery of Incremental LPP Replacement Costs

The Gas Safety and Reliability Surcharge will provide a return on investment and depreciation expense associated with removing from service miles of LPP incremental to the annual 50 miles funded in base rates.

For each mile removed above the annual 50 mile threshold, Niagara Mohawk will be allowed to recover the revenue requirement (the return on investment and depreciation

expense) associated with incremental LPP investment, using the unit costs for proactive LPP replacements set forth in Section 7.2, which will be calculated as the lesser of (i) Niagara Mohawk's average proactive main replacement program capital replacement cost per mile of LPP in the given Rate Year, or (ii) 102 percent of the proactive main replacement program capital unit costs allowances for LPP replacement in the given Rate Year. An illustrative example of this mechanism is provided in Appendix 6, Schedule 15.

7.3.2 Recovery of Incremental Leak Repair Costs

Niagara Mohawk will be permitted to recover through the Gas Safety and Reliability Surcharge the cost to eliminate up to 250 incremental leaks per CY in excess of its Total Leaks targets (see Section 12.2.1) in increments of 50 leaks (*e.g.,* if the Company repairs 67 incremental leaks in a CY, cost recovery for that CY would be limited to 50 incremental leaks). The per-leak rate allowances are $4,947 for Rate Year One, $5,075 for Rate Year Two, and $5,200 for Rate Year Three. An illustrative example of this mechanism is provided in Appendix 6, Schedule 15.

7.3.3 Gas Safety and Reliability Surcharge Calculation

The Gas Safety and Reliability Surcharge will be developed as a per therm surcharge that will appear on the Statement of Gas Safety and Reliability Surcharge. The surcharge will be calculated by first allocating the return on investment and depreciation expense associated with incremental LPP investment and leak repair costs to each firm service class by forecast delivery revenues established in this Joint Proposal, then developing a per therm rate per service class, and will be collected in the DSA. The Gas

Safety and Reliability Surcharge will be reconciled annually and included in the DSA recovered from firm sales and firm transportation customers beginning August 1 of the following Rate Year. An illustrative example of the Gas Safety and Reliability Surcharge calculation, including examples of the incremental proactive LPP replacement and leak repair, is provided in Appendix 6, Schedule 15.

7.4 Capitalization Policies

Niagara Mohawk is authorized to capitalize the following corrosion control activities in accordance with Accounting Standards Codification 360, the Federal Energy Regulatory Commission's accounting regulations and International Accounting Standard 16:

- Install test station ("TS") on Main
- Install TS on main across Insulated Joints ("IJ")
- Install TS on Distribution Service
- Install TS on Main with anode(s)
- Install TS on main across IJ with anode(s)
- Install TS on Distribution Service with anode(s)
- Install/Replace IJ at Meter
- Install/Replace IJ on Main
- Special Request - Renew Service with Plastic
- Install new Rectifier

Testing and inspection activities related to corrosion control will remain as expensed items.

7.5 Gas Safety Programs

The Company will implement the following gas safety programs during the Rate Plan:

Program	Costs
Damage Prevention Vehicle Wrapping	$0.09 million
Damage Prevention GPS Transmission Pipeline Mapping	$2.60 million
Damage Prevention GPS Mapping of Distribution Pipeline and Services (see Section 7.5.2)	$3.00 million
First Responder Train the Trainer	$0.182 million
First Responder Mobile Hands On	$1.074 million
Residential Methane Detector (see Section 7.5.1)	$2.025 million
Total	**$8.971 million**

The Company will use $8.971 million of the Rate Plan Settlement Credits to fund the above programs. There is no presumption that such programs will continue, or be discontinued, beyond the term of the Rate Plan.

The Company also will reserve $5 million from the Rate Plan Settlement Credits and $1.351 million of the negative revenue adjustment resulting from operation of the CY

2015 Mismark and Overall Damages metrics[12] to fund future gas safety and compliance improvement programs during the Rate Plan. The Company will consider the following incremental gas safety programs during the Rate Plan: (i) distribution of additional residential methane detectors; (ii) flood zone protection packages;[13] and (iii) leak detection equipment to aid first responders. The Company will meet with Staff annually, by April 1st of each Rate Year beginning April 1, 2018, to report on incremental gas safety programs and will seek Staff's input in the development of incremental gas safety programs. The Company will petition the Commission for approval to use the incremental funds, up to $6.351 million, for non-recurring expenses related to gas safety and compliance improvement programs in the Rate Plan, with such petition to be filed by December 31, 2019.

In the Rate Plan, the Company will reconcile all expenditures, and any under-spending will be deferred. If the $15.332 million allocated to gas safety and compliance programs is not used or encumbered by the time the Commission next changes the Company's base delivery rates, the remaining funds will be used for rate mitigation, and not restricted to gas safety use.

7.5.1 Residential Methane Detector Program

The Company's Residential Methane Detector program involves the distribution of approximately 13,500 residential methane detectors, targeted towards low income,

---

[12] Case 06-M-0878, National Grid (Niagara Mohawk, The Brooklyn Union Gas Company d/b/a National Grid NY ("KEDNY") and KeySpan Gas East Corporation d/b/a National Grid ("KEDLI")) 2015 Annual Gas Safety and Reliability Performance Report (filed March 16, 2016).

[13] The Commission approved flood zone protection demonstration projects in Cases 16-G-0058 and 16-G-0059.

multi-use residences. Within 90 days of the Effective Date, the Company will file an implementation plan with the Secretary that will include a deployment plan and methane detector costs.

7.5.2 Damage Prevention GPS Mapping of Distribution Pipeline and Services Facilities

Within 90 days of the Effective Date, the Company will file an implementation plan with the Secretary that details how, and over what period, the $3 million budget for the program will be spent.

7.6 Methane Reduction Efforts

a. Niagara Mohawk will continue to advance methane reduction efforts in its service territory similar to the terms set forth in the rate plans for KEDLI and KEDNY adopted in Cases 16-G-0058 and 16-G-0059. Such methane reduction efforts will include consideration of best practices for identifying and abating high volume leaks.[14] The Company will continue to work collaboratively with EDF in assessing, developing, and implementing such best practices.

b. By March 31, 2019, the Company agrees to develop a methodology for assessing leak size and volume using leak quantification methods, and will begin to deploy such methodology on an ongoing basis, to the extent practical, during the term of the Rate Plan.

[14] This will include consideration of efforts currently underway at Niagara Mohawk's affiliate utilities in Massachusetts and as implemented by other utilities including at Public Service Gas & Electric Company, Consolidated Edison Company of New York, Inc., Pacific Gas and Electric Company, and Center Point Energy.

c. The Company agrees to use leak data gathered in the manner described above to prioritize the highest emitting leaks when repairing Type 3 leaks, and as a factor in prioritizing leak prone pipe removal.

d. The Company will monitor the deployment of new leak quantification technology and report on its efforts to advance leak quantification technologies and practices, as specified in (e) below.

e. The Company agrees to file publicly-accessible annual reports with the Commission by March 15 of each year beginning March 15, 2019 until the conclusion of the Company's next base rate case, documenting progress towards meeting the goals set out in (a) and (b) above. The Company will document its efforts to advance any improvements to leak quantification methods during the Rate Plan, consistent with (c) above. Interested parties will have an opportunity to respond to such reports 30 days after their submission. In addition, starting in 2018, the Company, EDF, and any other interested party will have at least one face-to-face meeting each year by the end of September until the conclusion of the Company's next base rate case.

7.7 Gas Capital Reporting Requirements

7.7.1 LPP Prioritization, Type 3 Leak, and Capital Plan Report

Prior to the beginning of each Rate Year, the Company will file with the Secretary a LPP prioritization summary identifying: (i) the proposed projects and their estimated costs; (ii) estimates of the number of Type 3 leaks on each system; and (iii) the five-year capital plan in the same format as Appendix 1, Schedule 5.

7.7.2 Quarterly Capital Report

The Company will file with the Secretary a quarterly variance report within 45 days after the end of each of the first three quarters of each Rate Year. The report will be in the same format as Appendix 1, Schedule 5 with explanations for variances between the approved budget and the actual expenditures, details on the progress of LPP retirement mileage, Type 3 leaks repaired, and a summary of the current Type 3 leak inventory.

7.7.3 Annual Capital Report

The Company will file with the Secretary an annual report not later than 60 days after the end of the last quarter in each Rate Year that includes: (i) a final variance summary of capital expenditures for all capital projects and programs including all on-going and active construction projects and programs in the same format as Appendix 1, Schedule 5; (ii) a narrative explaining any cost or timeline deltas exceeding 10 percent; (iii) a narrative on project design, permitting, and/or construction status (including a detailed construction schedule for each project) for any ongoing projects; (iv) a description of any new projects or programs; and (v) capital project sanctioning documents for any projects exceeding $1 million that were authorized during the previous Rate Year.

7.8 Gas Business Enablement

Niagara Mohawk will continue to implement the Gas Business Enablement ("GBE") Program, the scope of which is more fully described in Appendix 10, Schedule 1, during the term of the Rate Plan. The GBE Program is a shared investment across all

National Grid USA operating companies, that will implemented and owned by the National Grid USA Service Company, Inc. ("Service Company"), with a portion of the costs allocated to Niagara Mohawk. The total Service Company costs of the GBE Program for capital expenses and project operating expenses relating to the capital investment (excluding run the business costs) are $458.1 million through FY 2023.

7.8.1 GBE Program Total Cost Cap

For purposes of determining Niagara Mohawk's allocable share of GBE Program costs, the total Service Company costs, comprised of capital and project operating expenses related to capital expenses, for the GBE Program will be capped at $458.1 million through FY 2023. In future rate proceedings, the Company may seek recovery of costs in excess of this cap that are associated with incremental investments in the GBE Program beyond those described in Appendix 10, Schedule 1 as long as the incremental costs are justified by measurable benefits.

7.8.2 GBE Program Capital Investment Levels

The revenue requirements include the costs of GBE Program capital investments charged to the Company by the Service Company as a rent expense. The rent expense charged to Niagara Mohawk for the GBE Program includes the return on, and the amortization and depreciation of, the Company's allocated portion of current GBE Program capital investments along with incremental GBE Program capital investments that are forecast for the Rate Years. The Company's forecast of capital expenditures reflects the following levels of Service Company capital investment for the GBE Program during the term of the Rate Plan: $92.305 million in Rate Year One, $68.166 million in

Rate Year Two, and $45.232 million in Rate Year Three, as shown in Appendix 1, Schedule 7. Section 8.2 describes the downward-only Service Company Rents Net Utility Plant and Depreciation Expense Reconciliation Mechanism applicable to Information Services and GBE Program capital investments. Notwithstanding the specified program level spending amounts shown in the Schedule, nothing in this Joint Proposal is intended to alter the Company's flexibility during the term to substitute, change, or modify the timing of its GBE Program capital investments to deliver the scope of the GBE Program.

7.8.3 GBE Program Key Performance Indicators

Niagara Mohawk will measure and report on six key performance indicators ("KPIs") that are intended to demonstrate successful delivery of GBE Program capabilities. The GBE KPIs are (i) the average number of completed Customer Meter Services ("CMS") jobs per worker per day; (ii) the average feet of main replaced per Maintenance and Construction ("M&C") worker per day; (iii) work orders processed each year per each full-time equivalent ("FTE") engineering clerical employee; (iv) total call volume related to customer moves and non-moves per year; (v) total number of gas safety non-compliance occurrences per year; and (vi) the Company's customer experience (effort) rating based on customer surveys. Appendix 10, Schedule 2 details how each KPI is defined and calculated. The Company will report on each GBE KPI on an annual basis as discussed in Section 7.8.4.

At the end of FY 2023, the Company will measure delivery of GBE Program capabilities based on performance across the FY 2023 KPI targets. The FY 2023 GBE KPIs, weightings, and targets are set forth in Appendix 10, Schedule 3.

Illustrative examples of the GBE KPI performance measurement are provided in Appendix 10, Schedules 4 through 6. To the extent the Company fails to meet the FY 2023 KPI targets (net of any offsets discussed below), the Company will record a regulatory liability to return to customers all or a portion of Niagara Mohawk's $31.2 million share of GBE investment costs for enhanced capabilities beyond system replacement.

As illustrated on Appendix 10, Schedules 4 through 6, in the event the Company outperforms on any individual GBE KPI, the value of such outperformance, expressed as a dollar value of business case benefits for the GBE Program, may be re-allocated to any underperforming KPIs subject to the following: (i) an underperforming GBE KPI may be improved by no more than 50 percent of Niagara Mohawk's business case benefits (as set forth in Appendix 10, Schedules 4 through 6); and (ii) the value of all GBE KPIs after re-allocation is subject to a cap of 100 percent of its associated Niagara Mohawk's business case benefits.

In the event of any unforeseen circumstances, changes in law or regulation, or other events that impact the underlying assumptions used to develop the GBE KPI performance targets, such that the KPI targets are no longer reasonable measures of the Company's performance, the Company and Staff may, by mutual agreement subject to Commission approval, equitably adjust the GBE KPI targets upward or downward to address such changes. In addition, the Company's failure to perform under any GBE KPI will be excused if the Company can reasonably demonstrate that the failure to perform was caused by any unanticipated or anomalous circumstances or events outside of the

Company's control and materially affected or delayed the Company's performance with respect to the affected KPI.

7.8.4 GBE Program Reporting

The Company will file a quarterly GBE Program report with the Secretary within 60 days after the end of each quarter of each Rate Year. The report will address the status of the GBE Program and budget, including: (i) a narrative explaining overall GBE Program status; (ii) detail on budgets and actual spending for the GBE Program; (iii) identification of allocations of GBE Program costs to the Company; and (iv) explanations of variances between budgets and actual spending. In the report for the last quarter of each Rate Year (quarter ending March 31), the Company will also include (i) any cost or timeline differences that exceed ten percent for the Rate Year; (ii) the Rate Year's GBE KPI performance; (iii) the number and length of the customer appointment windows (currently two-hour intervals (*e.g.*, 8 a.m. to 10 a.m.)) and non-appointment commitment windows (currently either 8 a.m. to 4 p.m., or 4 p.m. to 8 a.m.) offered to customers during the Rate Year; and (iv) the latest GBE sanction paper authorized during that Rate Year.

The Company will hold semi-annual meetings with Staff to (i) discuss budget and actual GBE spending to date; (ii) provide an update on the status of GBE initiatives that have been undertaken; and (iii) review quarterly filings.

8. Information Services

8.1 Information Services Electric and Gas Capital Investment Levels

Niagara Mohawk's electric and gas rates include Information Services ("IS") capital investments that are owned by the Service Company and allocated to the Company in the form of rent expense. Rent expense includes the return on, and the amortization and depreciation of, current IS capital investments along with incremental IS capital investments that are forecast for the Rate Years. The incremental IS capital investment is $90 million in Rate Year One, $90 million in Rate Year Two, and $96 million in Rate Year Three. These costs do not include costs associated with the Company's GBE Program (which is separately discussed in Section 7.8). Appendix 1, Schedule 7 sets forth Niagara Mohawk's IS capital investment plan by program. The schedule reflects actual capital spending through September 2017 and the incremental capital investment forecast from October 2017 through each Rate Year. Notwithstanding the specified program-level spending amounts shown in the Schedule, nothing in this Joint Proposal is intended to limit Niagara Mohawk's flexibility during the term of the Rate Plan to substitute, change, or modify its IS capital projects. Section 8.2 describes the downward-only Service Company Rents Net Utility Plant and Depreciation Expense Reconciliation Mechanism applicable to IS and GBE Program capital investments.

8.2 Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism

The Company will implement a downward-only IS and GBE Program Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, the Company will reconcile its respective actual IS and GBE Program average net utility

plant and depreciation expense revenue requirements to the forecast revenue requirements, as set forth below and shown in Appendix 5, Schedule 19 for electric, and in Appendix 6, Schedule 17 for gas:

	FY 19	**FY 20**	**FY 21**
IS and GBE – Electric	$34.42 million	$36.72million	$38.63 million
IS and GBE – Gas	$7.87 million	$10.06 million	$12.53 million

The IS and GBE Program average net utility plant and depreciation expense revenue requirement will be calculated by applying the Company's pre-tax weighted average cost of capital in the respective Rate Years (8.07 percent in Rate Year One, 8.02 percent in Rate Year Two, and 7.99 percent in Rate Year Three) to the IS and GBE Program average net utility plant balance and adding the depreciation expense to the product.

The difference between the actual IS and GBE Program average net utility plant and depreciation expense revenue requirement and the target average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three for electric and gas, respectively. As illustrated in Appendix 5, Schedule 19 and Appendix 6, Schedule 17, if, at the end of Rate Year Three, the cumulative actual IS and GBE Program average net utility plant and depreciation expense revenue requirement is negative, the Company will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual IS and GBE Program average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral.

The reconciliation mechanism will apply to the Company's aggregate total IS and GBE Program average net plant and depreciation expense combined, and not to individual components. The net plant target balances and reconciliation will not consider the impact of Accumulated Deferred Income Taxes ("ADIT").

8.3 IS Capital Investment Cost Incentive

To incent the Company to implement IS projects at lower costs, the IS Capital Investment Cost Incentive will allow the Company and customers to share in any efficiency savings on the Company's share of capital costs for identified IS projects. The incentive will initially apply to the following IS project:

Investment Name	INVP #	Forecast In-Service Date	Total Project Forecast Appendix 1, Schedule 7	10% Target Threshold for Incentive
Green Button Connect	4704C	3/31/21	$3,072,759	$2,765,483

To the extent the actual capital costs (upon project closure) are less than the Company's full sanction estimate by ten percent or more (as defined in Appendix 5, Schedule 20 and Appendix 6, Schedule 18), the savings allocable to Niagara Mohawk will be shared 80 percent/20 percent between customers and the Company, respectively, and recorded as a regulatory asset. An illustrative example of this incentive mechanism is provided in Appendix 5, Schedule 20 and Appendix 6, Schedule 18.

In addition, as part of the semi-annual IS meeting discussed in Section 8.6 below, the Company and Staff will consider including additional projects to include in the

incentive in future Rate Years. In the report for the last quarter of each Rate Year, the Company will report on its performance against the incentive.

8.4 Distribution Supervisory Control and Data Acquisition System

The revenue requirement includes $0.500 million annually in Rate Year Two and Rate Year Three for requirements and design work for the Distribution Supervisory Control and Data Acquisition ("DSCADA") system. The $96 million IS capital investment level discussed in Section 8.1 includes $6 million for capital investment for the DSCADA system in Rate Year Three. The DSCADA system capital investment will not go into service until after the term of the Rate Plan; therefore, there are no costs reflected in the Rate Year Three revenue requirement relative to this capital investment.

8.5 Distributed Generation Interconnection Online Application Portal

The revenue requirement does not include recovery for Phase 3 costs of the Distributed Generation Interconnection On-line Application Portal ("DGIOAP") project. The Signatory Parties agree that if the Company is required to incur Phase 3-related costs within the term of the Rate Plan, it may file a petition with the Commission to request recovery of such costs.

8.6 IS Capital Reporting

Prior to the beginning of each Rate Year, the Company will file with the Secretary its IS Capital Investment Plan for that Rate Year, including a narrative explaining the overall IS investment plan and identifying the proposed IS projects and their estimated costs.

The Company will also file with the Secretary quarterly variance reports within 60 days after the end of each Rate Year quarter. The reports will address the status of Service Company IS programs and budgets. The reports will include (i) a narrative explaining overall IS investment plan approach; (ii) a description of defined program categories (*e.g.,* Regulatory, Legal and Compliance Mandates; Business Programs and Projects; Technology/Infrastructure Foundation and Reliability) that form the spending rationale for IS projects; (iii) detail on budgets and actual spending for each of the program categories, and for the top ten projects by budget within the program categories; (iv) explanations of variances between budgets and actual spending; (v) identification of allocations to Niagara Mohawk; and (vi) a report on budget exceptions by program category and top ten projects based on allocations to Niagara Mohawk. In the report for the last quarter of each Rate Year, the Company will also include (i) an explanation of any cost or timeline differences exceeding ten percent for projects completed; (ii) the latest partial, full, re-sanction or closure paper for any projects exceeding $1 million that were authorized during the previous Rate Year; and (iii) performance on the IS capital cost incentive.

On a semi-annual basis, the Company will meet with Staff to (i) discuss budget and actual spending to date; (ii) provide an update on the status of in-flight projects; (iii) discuss proposed projects for the next six months; (iv) identify any projects subject to the IS capital cost incentive; and (v) review quarterly filings. Beginning with the first semi-annual meeting, the Company will work with Staff to develop mutually agreeable sanction paper enhancements needed to justify IS investments and allow for adequate review. At a minimum, the enhancements will include minimum cost alternative

analyses, as appropriate, based on the type of IS investment (*e.g.,* regular upgrades versus build of new function), and the consensus enhancements will be implemented no later than the end of Rate Year One. The Company will also work with Staff to determine whether different or additional information would be useful to include in the quarterly reports.

9. Street Lighting

9.1 LED-Only Replacement Luminaire Program

The Company will establish an "opt-in" LED-only replacement program for Company-owned luminaires. Under the LED-only replacement program, existing Company-owned failed roadway luminaires will be replaced with LEDs. Further, HID luminaires will no longer be offered for new street light installations. Municipalities will have the opportunity to identify the LED luminaires that meet their community's respective needs. The Company will develop procedures and protocols, including providing recommendations for LED conversions for Company-owned streetlights based on currently installed luminaires. The Company will coordinate with municipalities to ensure procedures are properly implemented.

9.2 Street Lighting Plant Accounts and Service Lives

The Company will separate the Overhead Street Lighting plant account (account 373.10) into the two new sub-accounts: (i) non-LED Overhead Street Lighting-Luminaires (account 373.11); and (ii) Overhead Street Lighting–Other (account

373.10).[15] The Company also will separate the Underground Street Lighting plant account (account 373.20) into the two new sub-accounts: (i) non-LED Underground Street Lighting-Luminaires (account 373.21); and (ii) Underground Street Lighting–Other (account 373.20). Additionally, the Company will split the associated depreciation reserves for the Overhead Street Lighting plant account (account 373.10) into the book reserves for the non-LED Overhead Street Lighting-Luminaires (account 373.11) and Overhead Street Lighting-Other (account 373.10) based on a theoretical depreciation reserve calculation, and perform the same segregation exercise for the corresponding underground street lighting accounts. The average service lives for the assets in the non-LED luminaire accounts (accounts 373.11 and 373.21) will be set to 20 years, and the average service lives for assets in the other equipment accounts (accounts 373.10 and 373.20) will be set to 60 years. LED luminaire investments will be reflected in LED Overhead Street Lighting (account 373.30) and LED Underground Street Lighting (account 373.40). Service lives for the LED luminaire accounts will be set to 25 years.

9.3 Street Light Asset Sales

9.3.1 Net Book Value Sales

For the term of this Rate Plan only, the Company agrees to sell its PSC 214 SC-2 street lighting assets at net book value ("NBV") to any municipal customer that agrees to purchase all street light assets serving it within the municipality's taxing jurisdiction. Sales of less than all street light assets serving the customer within a municipal taxing

[15] Both the Overhead Street Lighting–Other and Underground Street Lighting–Other accounts include the non-luminaire street lighting plant, such as poles, conductors, arms, etc.

district will be subject to negotiating a mutually-agreeable sales price as currently specified in the tariff governing street light asset sales.

9.3.2 NBV Sale Price

a. The NBV for street lighting assets serving a given municipal customer will be calculated using the Street Lighting FERC sub-accounts (included in the Account 373 series) Plant Accounting information provided by the Company's plant asset repository system, Power Plan. Power Plan maintains asset investment amount information by vintage year and by tax district, but does not maintain the NBV of individual assets. Depreciation rates, depreciation expense, and the associated depreciation reserve are determined and recorded at the FERC sub-account level, not at an individual asset level. Therefore, subject to the provisions of Section 9.3.2(b), the Company will use the following process to determine the NBV of street light assets for purposes of sale transactions:

i. Determine the book cost for each street light FERC sub-account, by vintage year (*i.e.*, year the investment was placed in service), by tax district.[16]

ii. Calculate a theoretical depreciation reserve for each FERC sub-account, based on the vintage investment, by tax district. This calculation will be based on the depreciable service lives in effect at the time of the calculation, as well as dispersion patterns (*i.e.*, Iowa or H curves) and net salvage factor included in the depreciation rate.

[16] The Power Plan system maintains assets by vintage year and by tax district. Depreciation rates, depreciation expense, and the associated depreciation reserve are determined and recorded at the FERC sub-account level, not at an individual asset level.

iii. Allocate the sub-account's total book reserve to vintage investments by tax district in proportion to the theoretical depreciation reserve calculation. This will produce the NBV for the tax district. (Steps (ii) and (iii) are done utilizing a depreciation study software calculation in Power Plan).

iv. Determine the tax district's NBV by asset types using the Company's location-based billing inventory system.

v. Determine the NBV for customer-specific street lighting assets by applying the average NBV by asset type for a tax district to the specific customer billing units.

These steps will be performed for each sub-account in which the customer's assets are booked, and the amounts will be aggregated to arrive at a total NBV determination. The sale price will be based on the NBV at the time of closing, and any price estimates provided prior to closing will be adjusted (up or down) to the actual NBV at closing.

b. Notwithstanding the foregoing, for any municipal customer with more than 10,000 luminaires listed in the Company's billing inventory files in the respective municipal tax district as of December 1, 2017, that enters into a binding purchase agreement on or before September 1, 2018 to acquire all of the street light assets serving it within the municipality's taxing jurisdiction, and that received a street light acquisition pricing proposal letter dated between June 1, 2017 and December 1, 2017 from the Company, the NBV sale price will be the NBV indicated in said letter.

c. Following the issuance of a final rate order in these proceedings, and at the request of a municipality that had previously received a street light sales proposal, the

Company will provide the NBV purchase price calculated as described above along with supporting data as reasonably available.

The Signatory Parties acknowledge and agree that the Company's agreement to sell its PSC 214 SC-2 street lighting assets at NBV does not create any precedent with respect to similar sales after the term of this Rate Plan or with respect to the sale of any of the Company's transmission or distribution assets.

9.3.3 Provisions Applicable to All Street Light Asset Sales

a. A municipality acquiring street light assets is responsible for transaction and transition costs. Transaction costs consist of transfer taxes, recording fees, and mortgage indenture release fees associated with the sale. Transition costs consist of those costs relating to GIS, billing, and data changes associated with the sale. A municipality purchasing street light assets must install disconnect equipment consistent with PSC 214 Rule 8.d.1, Leaf 44.0.1, and will be responsible for the costs of installing such equipment. The Company will not charge for reconfiguration costs unless the municipality specifically requests the reconfiguration. A like-for-like luminaire replacement (or a conversion from HID to LED) will not be considered a municipal request for reconfiguration.

b. The municipality will have the sole responsibility to determine if a worker/contractor is qualified to perform the required work and to perform work in proximity of the electric system.

c. For the 24-month period following the transfer of street light assets from the Company to a municipal customer, the conversion to an LED luminaire from a non-

LED luminaire will not constitute a material change under PSC 214.

d. A municipality must be current in its payment of all undisputed bills.

9.4 Miscellaneous Street Light Matters

The Company will incorporate its roadway-LED luminaire offerings into the Lighting Tariff SC-1, and will continue to evaluate potential decorative LED offerings.

10. Electric and Gas Reconciliations, Deferrals, and True-Ups

10.1 Existing Electric and Gas Reconciliations, Deferrals, and True-Ups

Appendix 5, Schedule 1 and Appendix 6, Schedule 1 set forth the electric and gas deferral accounts and other regulatory assets and liabilities forecast balances, respectively, as of March 31, 2018. With the exception of the deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1, Niagara Mohawk is authorized to continue its use of reconciliation mechanisms and/or deferral accounting (with certain modifications) with respect to the electric and gas expenses set forth in Schedule 1.[17] In addition, the Company will continue its use of all other currently-authorized reconciliation mechanisms and/or deferral accounting.

Except where otherwise noted, Niagara Mohawk will accrue carrying charges on all electric and gas deferral accounts and other regulatory assets and liabilities, net of deferred taxes, using the pre-tax weighted average cost of capital for the respective Rate

[17] The deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1 will be discontinued as of the Effective Date. These accounts contain forecast balances as of March 31, 2018, which are set forth in Schedule 1. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

Year.[18] An example of the calculation of carrying charges is set forth in Appendix 5, Schedule 2 for electric and Appendix 6, Schedule 2 for gas.

10.1.1 Pension and Other Post-Employment Benefit Expenses (Electric and Gas)

Niagara Mohawk will continue to defer and reconcile its actual electric and gas pension and OPEB expenses to the levels allowed in rates (set forth in the tables below) in accordance with the Commission's Pension & OPEB Statement of Policy.

Pension Expense	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	$33.185 million	$8.852 million	$0.744 million
Gas Business	$6.383 million	$1.852 million	$0.311 million

OPEB Expense	Rate Year One	Rate Year Two	Rate Year Three
Electric Business	$17.591 million	$11.167 million	$2.178 million
Gas Business	$3.424 million	$2.335 million	$0.630 million

Additional provisions relating to the reconciliation of electric and gas pension and OPEB expenses are set forth in Appendix 9. Carrying charges will not be calculated on pension or OPEB deferred balances. An example of the reconciliation is set forth in Appendix 5, Schedule 3 for electric and Appendix 6, Schedule 3 for gas.

10.1.2 Low Income Energy Affordability Program (Electric and Gas)

The Company will implement its electric and gas Energy Affordability Program as set forth in Section 13.1. Each Rate Year, the Company will fully reconcile Energy Affordability Program costs to the rate allowance of $56.594 million for electric and $14.905 million for gas. Amounts in excess of the rate allowance will be deferred for

[18] This applies to deferred balances referenced in other sections of this Joint Proposal unless specifically stated otherwise.

future recovery from customers. Any under-expenditures will be deferred for future use in a low income program. An example of the reconciliation is set forth in Appendix 5, Schedule 4 for electric, and in Appendix 6, Schedule 4 for gas.

10.1.3 Economic Development Fund Program (Electric and Gas)

The Company will continue its electric and gas Economic Development Fund Programs as set forth in Section 13.3.1. Each Rate Year, the Company will fully reconcile economic development discounts (*i.e.,* for electric, EZR, EJP, new discount contracts under SC-12, and existing discount contracts under SC-12; for gas, EZR and EJP discounts) to the amount reflected in rates for refund to or recovery from customers. The target amounts for economic development discounts are as follows:

Economic Development Fund Programs	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	$2.193 million	$2.120 million	$1.721 million
Gas Business	$1.150 million	$0.935 million	$0.762 million

The electric and gas Economic Development Fund Programs will be a separate deferral account from the electric and gas Economic Development Grant Programs set forth below. An example of the reconciliation is provided in Appendix 5, Schedule 5 for electric, and in Appendix 6, Schedule 5 for gas.

10.1.4 Economic Development Grant Program (Electric and Gas)

The Company will continue its electric and gas Economic Development Grant Programs as described in Section 13.3.2. The Economic Development Grant Program for electric and gas will be funded at $11 million and $1 million per year, respectively,

subject to downward-only reconciliations over the term of the Rate Plan. Any difference between the respective rate allowance and actual program costs in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three, with any under-expenditure to be deferred for future use in the respective Economic Development Grant Programs. The Company may petition the Commission to utilize any deferral balances related to the Economic Development Grant Programs to fund emergency economic assistance or other incremental economic development programs. An example of the reconciliation is provided in Appendix 5, Schedule 6 for electric, and in Appendix 6, Schedule 6 for gas.

In the event of any anticipated over-expenditures, the Company may petition the Commission for deferral treatment and will have no obligation to make any additional expenditure unless and until the Commission authorizes the Company to defer amounts in excess of the three-year aggregate rate allowance for future recovery.

10.1.5 Auction Debt True Up (Electric and Gas)

Niagara Mohawk's capital structure includes variable rate pollution control revenue bonds. The interest rate for these bonds is periodically reset using an auction process that provides for a default rate if the auctions fail. For Rate Year One only, the Company will reconcile the actual interest expense with the amount reflected in rates and defer the difference for refund to or recovery from customers. Appendix 5, Schedule 7 and Appendix 6, Schedule 7 set forth the forecast interest rates to be trued up and a sample calculation for the reconciliation for electric and gas, respectively. The reconciliation of the variable rate pollution control revenue bonds interest expense for

Rate Year Two and Rate Year Three is included in the long-term debt true-up set forth in Section 10.2.2.

10.1.6 Site Investigation and Remediation Expense (Electric and Gas)

Each Rate Year, the Company will fully reconcile actual Site Investigation and Remediation ("SIR") expense to the annual rate allowance of $27.321 million for electric and $4.821 million for gas. Any under- or over-expenditures will be deferred for future refund to, or recovery from, customers. An example of this reconciliation is set forth in Appendix 5, Schedule 11 for electric and Appendix 6, Schedule 10 for gas. SIR costs are defined on Page 2 of each Appendix.

10.1.7 Property Tax Expense (Electric and Gas)

Each Rate Year, the Company will reconcile actual property tax expense to the rate allowance. The difference between actual property tax expense, excluding the effects of property tax refunds, and the rate allowance (set forth in the table below) will be deferred for future refund to or recovery from customers. Differences will be shared 80 percent/20 percent between customers and the Company, respectively. An example of this reconciliation is set forth in Appendix 5, Schedule 12 for electric, and in Appendix 6, Schedule 11 for gas.

Property Tax Expense	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	$183.024 million	$189.211 million	$195.164 million
Gas Business	$43.072 million	$45.311 million	$47.730 million

If Niagara Mohawk is successful in obtaining property tax refunds, it will have the right to petition the Commission to share in such refunds. Other parties may take any position concerning any petition filed by Niagara Mohawk.

10.1.8 Negative or Positive Revenue Adjustments (Electric and Gas)

Niagara Mohawk will defer (i) any negative revenue adjustments associated with the electric and gas Service Quality Assurance Program (Section 11.1) (subject to the exception discussed in Appendix 15); (ii) any negative or positive revenue adjustments associated with the electric and gas Termination and Uncollectible Expense metric (Section 11.2); (iii) any negative revenue adjustments associated with the Gas Cost Estimating metric (Section 11.3); (iv) any negative or positive revenue adjustments associated with the Gas Safety Performance Metrics (Section 12);[19] and (v) any positive revenue adjustments associated with the LPP Productivity Incentive (Section 7.2).

10.1.9 Externally Imposed Costs (Electric and Gas)

One hundred percent of all Externally Imposed Costs (including any credits) associated with or caused by an individual instance (as described below) will be deferred, once such costs exceed the threshold set forth below. If Externally Imposed Costs caused by an individual instance in any one Rate Year exceed $8.8 million or $2.283 million for Niagara Mohawk's regulated electric or regulated gas operations, respectively (the "Externally Imposed Cost Threshold"), the total impact of the Externally Imposed Costs as applicable to the Company's regulated electric or regulated gas operations,

[19] Any negative revenue adjustments associated with the Gas Safety Performance Metrics will be applied to fund future incremental gas safety programs.

respectively, will be deferred. "Externally Imposed Costs" means all of the incremental effects on Niagara Mohawk's costs, revenues, or revenue requirements above or below the amounts set forth in Appendix 1, Schedules 1 and 2, associated with or caused by an individual instance of:

a. any externally imposed accounting change;

b. any change in the federal,[20] state, or local rates, laws, regulations, or precedents governing income, revenue, sales, or franchise taxes;

c. any refunds or payments (with interest and net of deferred taxes) reasonably made to or by Niagara Mohawk associated with electric and/or gas operations as a result of any ongoing or new examinations by federal and/or state tax authorities of Niagara Mohawk's tax returns; or

d. any legislative, court, or regulatory change that imposes new or modifies existing obligations or duties.

In addition, the Signatory Parties recognize that:

i. there is a pending Pipeline and Hazardous Materials Safety Administration ("PHMSA") rulemaking regarding pipeline integrity management, integrity verification and related issues in PHMSA Docket ID 2011-0023;

ii. the United States Congress has in recent years modified bonus depreciation numerous times. This Joint Proposal sets forth rates predicated on bonus depreciation terminating as of September 27, 2017, as set forth in the recent changes to federal tax law. Congress may make more changes to bonus depreciation during the term of this rate plan; and

[20] See Section 10.1.10, specifically regarding changes to federal tax law.

iii. a healthcare excise tax may be assessed on certain medical plans beginning in 2020.

Should new regulations and/or legislation identified in items (i) and (ii) above be enacted that affect Niagara Mohawk's costs, or should the healthcare excise tax identified in item (iii) above take effect during the term of the Rate Plan, Niagara Mohawk will defer all incremental costs or decreases in costs arising from such actions without regard to whether such changes exceed the Externally Imposed Cost Threshold. In the event that Externally Imposed Costs are incurred, Niagara Mohawk will file a letter with the Secretary setting forth the rationale for the deferral and its calculation. Any disagreement associated with the filing will be referred to the Commission for a decision.

10.1.10 Federal Tax Law Changes (Electric and Gas)

The Signatory Parties recognize that the United States Congress has recently made significant modifications to the federal tax law. The rates set forth in this Joint Proposal reflect the Company's current estimate of the reduction in the corporate tax rate from 35 percent to 21 percent, the termination of bonus depreciation as of September 27, 2017, and increase in deferred taxes at a rate of 21 percent associated with future plant additions. Rates do not include any amortization of the excess accumulated deferred federal income tax associated with the reduction in the tax rate. The Company will make a compliance filing no later than the end of Rate Year One to reflect the final impact on rates of the changes to the federal tax law. The compliance filing must include all supporting workpapers and calculations. The Signatory Parties agree that the net benefits of the recent modifications to federal tax law shall accrue to customers, including all of the benefits related to the excess accumulated deferred federal income taxes, the pass

back of which have not yet been reflected in rates. The Company will defer for further refund or recovery any difference between its recalculated federal tax expense and amounts provided for in rates, including any effects related to the excess deferred federal income taxes. The Company will meet with Staff and other interested parties prior to making its compliance filing. Further, the Signatory Parties recognize that the Commission may address the changes in the federal tax law in a generic proceeding, these proceedings, or otherwise, which may necessitate that the Company take additional actions, and the Signatory Parties recognize that this could result in changes to the treatment of federal taxes, or the ratemaking effects of these federal tax changes, that are different from those set forth in this Joint Proposal.

10.1.11 Internally-Adopted Accounting Changes (Electric and Gas)

Niagara Mohawk will notify the DPS Director of the Office of Accounting, Audits and Finance of any significant changes to its accounting policies. Approval of the DPS Director of the Office of Accounting, Audits and Finance is necessary before Niagara Mohawk records on its books any deferral for the net impact of an internal accounting change pursuant to this Section. If such approval is granted, the Company will be allowed to book the deferral prospectively from the date of approval, regardless of whether the accounting change was previously reflected in an account other than the deferral account. The DPS Director of the Office of Accounting, Audits and Finance will use best efforts to rule on any request for the deferral of the impact of an internal accounting change within 90 days of submission, provided that the Company's initial submission is complete and includes full support for the accounting change and the

quantification of the net impact of the accounting change, including any required offsets. Niagara Mohawk will include in the deferral account the net impact of any accounting change adopted as a matter of internal accounting policy when the accounting change, evaluated individually, increases or decreases Niagara Mohawk's costs or revenues from regulated operations or changes Niagara Mohawk's policy for capitalizing or expensing any item by more than $500,000 per year for the electric business and/or $100,000 per year for the gas business.

10.1.12 Variable Pay (Electric and Gas)

Each Rate Year, the Company will defer for refund to customers any variable pay compensation amounts reflected in rates that are not paid to employees. The rate allowance for variable pay is set forth in the table below. An example of this reconciliation is set forth in Appendix 5, Schedule 13 for electric and Appendix 6, Schedule 12 for gas.

Variable Pay Expense	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	$17.8 million	$18.4 million	$18.9 million
Gas Business	$4.0 million	$4.2 million	$4.3 million

10.1.13 Revenue Decoupling Mechanism (Electric and Gas)

The revenue decoupling mechanism ("RDM") reconciliation, as modified in Section 3.5 for electric and Section 4.6 for gas, will continue.

10.1.14 Electric Net Utility Plant and Depreciation Expense Reconciliation Mechanism

The Company will implement a downward-only electric Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, the Company will reconcile its actual electric average net utility plant (which includes the allocation of common plant to the electric business) and depreciation expense revenue requirement to the target electric average net utility plant and depreciation expense revenue requirement, which are: $793.801 million for Rate Year One; $831.870 million for Rate Year Two; and $871.228 million for Rate Year Three.

The electric average net utility plant and depreciation expense revenue requirement will be calculated by multiplying the Company's pre-tax weighted average cost of capital in the respective Rate Years to the electric average net utility plant balance, and adding this product to the electric depreciation expense.

With the exception as described below with regard to the implementation of a non-wires alternative ("NWA"), the difference between the actual electric average net utility plant and depreciation expense revenue requirement and the target electric average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three. As illustrated in Appendix 5, Schedule 9, if, at the end of Rate Year Three, the cumulative actual electric average net utility plant and depreciation expense revenue requirement is negative, the Company will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual electric average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral.

The reconciliation mechanism will apply to the Company's aggregate total electric average net plant and depreciation expense combined, and not to individual components. The LED Capital Investment Tracker described in Section 10.2.7 will operate in conjunction with the Net Utility Plant and Depreciation Expense Reconciliation Mechanism to account for the two-way nature of the LED Capital Investment Tracker. The net plant target balances and reconciliation will not consider the impact of ADIT.

To the extent the Company implements an NWA that results in the displacement of a capital project reflected in the average electric net utility plant, the balance(s) will be reduced to exclude the forecast net plant associated with the displaced project. The carrying charge, or a portion thereof, as warranted, on the reduction of the average electric net utility plant that would otherwise be deferred for customer benefit will instead be applied as a credit against the recovery of the NWA, as shown in Appendix 5, Schedule 9.

10.1.15 Major Storm Expense (Electric Only)

The provisions relating to major storm expense are set forth in Appendix 14. An example of the reconciliation is set forth in Appendix 5, Schedule 10.

10.1.16 Aggregation Fee (Electric Only)

The Company will continue to accrue and amortize aggregation fee amounts collected pursuant to PSC 220 Rule 47. No carrying charges will be calculated for aggregation fee amounts.

10.1.17 Voltage Migration Fee (Electric Only)

The Company will continue to accrue and amortize voltage migration fee amounts collected pursuant to PSC 220 Rule 44.2. No carrying charges will be calculated for voltage migration fee amounts.

10.1.18 Generation Stranded Cost (Electric Only)

The Company will include in the deferral account any reductions or additions to stranded costs associated with the implementation of the Niagara Mohawk Joint Proposal for Nine Mile Point (Case 01-E-0011), and the implementation of any of Niagara Mohawk's other agreements for the sale of the fossil and hydro generating assets to the extent allowed by the Orders in those cases.[21]

10.1.19 Transmission Revenue Adjustment Clause (Electric Only)

Pursuant to PSC 220 Rule 43, the Company will continue to reconcile the actual transmission revenue realized, exclusive of revenue taxes, to the forecast transmission revenue credit assumed in rates ($185.696 million in each Rate Year). NYPA load (including ReCharge New York load) will be subject to the Transmission Revenue Adjustment Clause ("TRAC"). The TRAC will be subject to a monthly true-up, with any over/under collection at the end of each month to be included in the TRAC balance for

[21] *See* Cases 94-E-0098 and 94-E-0099 for the Order dated June 7, 1999, approving the sale of Huntley and Dunkirk Stations, the Order dated May 27, 1999, approving the sale of the hydro stations, and the Order dated April 26, 2000, approving the sale of the Albany Station; *see* those dockets and Case 96-E-0898 for the Order dated October 21, 1999, approving the sale of the Oswego Station; *see* those dockets and Cases 96-E-0909 and 96-E-0897 for the Order dated December 20, 2000, approving the sale of the Roseton Station; and *see* Case 98-E-1028 for the Order dated September 29, 1999, approving the sale of the Glen Park Hydro Station.

refund or recovery, subject to the caps. An example of this reconciliation is set forth in Appendix 5, Schedule 14. Carrying charges will be calculated as set forth in PSC 220 Rule 43.5.1.

10.1.20 Reforming the Energy Vision Demonstration Projects (Electric Only)

Niagara Mohawk's electric rates include costs associated with the Company's Fruit Belt Neighborhood Solar, Potsdam Community Resilience, Distributed System Platform, and Clifton Park Demand Reduction Reforming the Energy Vision ("REV") demonstration projects. The Company will defer costs associated with additional REV demonstration projects, including, but not limited to, the Smart Home Rate and the Schenectady "Smart City" demonstration projects, in accordance with the Commission's February 26, 2015 *Order Adopting Regulatory Policy Framework and Implementation Plan* in Case 14-M-0101 ("Track One Order"). The demonstration project budget cap, regardless of cost recovery mechanism, is $43.915 million, as described in the Track One Order. In the event that future demonstration projects would result in the Company exceeding the demonstration project budget cap, Niagara Mohawk may file a petition with the Commission to increase the budget cap. Future demonstration projects will follow the statewide procedures approved by the Commission for demonstration projects.

10.1.21 Gas Net Utility Plant and Depreciation Expense Reconciliation Mechanism

The Company will implement a downward-only gas Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, the Company will reconcile its actual gas average net utility plant (which includes the allocation of common

plant to the gas business) and depreciation expense revenue requirement to the target gas average net utility plant and depreciation expense revenue requirements, which are: $183.448 million for Rate Year One; $193.840 million for Rate Year Two; and $206.317 million for Rate Year Three.

The gas average net utility plant and depreciation expense revenue requirement will be calculated by multiplying the Company's pre-tax weighted average cost of capital in the respective Rate Years to the gas average net utility plant balance, and adding this product to the gas depreciation expense.

The difference between the actual gas average net utility plant and depreciation expense revenue requirement and the target gas average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three. As illustrated in Appendix 6, Schedule 9, if, at the end of Rate Year Three, the cumulative actual gas average net utility plant and depreciation expense revenue requirement is negative, the Company will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual gas average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral. In years that incremental LPP replacement costs are recovered through the Gas Safety and Reliability Surcharge, the net plant and depreciation components of the Gas Safety and Reliability Surcharge for incremental LPP replacement costs will be added to the overall Net Utility Plant and Depreciation Expense Reconciliation Mechanism target to avoid any double recovery. An example is shown in Appendix 6, Schedule 15.

The reconciliation mechanism will apply to the Company's aggregate total gas average net plant and depreciation expense combined, and not to individual components. The net plant target balances and reconciliation will not consider the impact of ADIT.

10.1.22 Oil Conversion Program (Gas Only)

Each Rate Year, the Company will reconcile the actual cost of the oil-to-gas conversion program to the annual rate allowance of $0.764 million. Any difference will be deferred for future return to or recovery from customers, up to a cap of $1 million annually. The oil-to-gas conversion program is discussed in Section 13.8.2. An example of this reconciliation is set forth in Appendix 6, Schedule 13.

10.1.23 Net Revenue Sharing (Gas Only)

The Company's Net Revenue Sharing Mechanism set forth in PSC 219 Rule 26 will continue. The delivery revenue service targets for SC-6, SC-9, and SC-14 have been updated for each of the Rate Years. The updated targets are set forth in Appendix 3, Schedule 9. Carrying charges do not apply.

10.1.24 Accrued Unbilled Revenue Deferral (Gas Only)

Niagara Mohawk will continue its current deferral practice concerning accrued unbilled revenues pursuant to the Commission's August 30, 1988 Order in Case 29670. No carrying charges will be calculated for accrued unbilled revenues.

10.1.25 Continuing Electric Reconciliation Mechanisms

The following electric reconciliation mechanisms will continue outside of base rates:

a. SBC costs, which include the Clean Energy Fund surcharge, will continue to be reconciled pursuant to PSC 220 Rule 41. Carrying charges will be calculated using the other customer capital rate.

b. Pursuant to PSC 220 Rule 46.2.6, the Company will continue to pass the benefits associated with the net market value of NYPA Rural and Domestic Power to residential customers. No carrying charges will be calculated.

c. Commodity costs will be reconciled through the Electricity Supply Reconciliation Mechanism ("ESRM") pursuant to PSC 220 Rule 46.3. No carrying charges will be calculated.

d. Pursuant to PSC 220 Rule 46.2.7, the Company will reconcile costs associated with the Nine Mile Unit #2 PPA. Carrying charges will be calculated as set forth in Rule 46.2.7.

e. Purchased power contract costs will be reconciled through the Legacy Transition Charge ("LTC") pursuant to PSC 220 Rule 46.2. No carrying charges will be calculated.

f. Dynamic Load Management program costs will be reconciled pursuant to PSC 220 Rule 64. Carrying charges will be calculated as set forth in Rule 64.

g. The MFC reconciliation as modified in Section 3.6 will continue.

h. The Clean Energy Standard Supply and Delivery charges will be reconciled pursuant to PSC 220 Rule 46. No carrying charges will be calculated.

i. Value of Distributed Energy Resources Value Stack costs will be reconciled pursuant to PSC 220 Rule 46. No carrying charges will be calculated.

10.1.26 Continuing Gas Reconciliation Mechanisms

The following gas reconciliation mechanisms will continue outside of base rates:

a. SBC costs, which include the Clean Energy Fund surcharge, will continue to be reconciled pursuant to PSC 219 Rule 31. Carrying charges will be calculated using the other customer capital rate.

b. The Company will continue to recover and reconcile research and development Millennium Fund costs in accordance with PSC 219 Rule 30 and the Commission's February 14, 2000 Order in Case 99-G-1369. No carrying charges will be calculated.

c. The Company will continue to recover and reconcile its cost of gas in accordance with PSC 219 Rule 17. Carrying charges will be calculated as set forth in PSC 219 Rule 17.7.2.

d. The MFC reconciliation as modified in Section 4.7 will continue. Carrying charges for the annual MFC reconciliation will be calculated at the other customer capital rate.

e. The LAUF reconciliation as modified in Section 4.5 will continue. Carrying charges for the annual LAUF reconciliation will be calculated at the other customer capital rate.

10.2 New Electric and Gas Reconciliations, Deferrals, and True-Ups

The following new electric and gas deferral accounts will be implemented. Niagara Mohawk will accrue carrying charges on the new deferral account balances calculated using the pre-tax weighted average cost of capital for the respective Rate Year.

10.2.1 ETIP Costs (Electric and Gas)

The electric and gas ETIP costs deferral is set forth in Section 13.2.1.

10.2.2 Long-Term Debt True-Up (Electric and Gas)

Beginning in Rate Year Two, the Company will reconcile its actual cost of long-term debt to the cost used to establish rates in these proceedings. As detailed in Section 2.1.b, the cost of long-term debt set forth in this Joint Proposal reflects debt rates of 4.19 percent in Rate Year Two and 4.13 percent in Rate Year Three, and a ratio of Long-Term Debt to Total Capitalization of 51.06 percent. The calculation of actual interest expense will reflect the agreed upon ratio of Long-Term Debt to Total Capitalization and actual debt rates multiplied by the lesser of the actual rate base or the rate base used to establish rates in these proceedings. Any difference will be deferred for future refund to or recovery from customers. Examples of this reconciliation are set forth in Appendix 5, Schedule 8 for electric, and in Appendix 6, Schedule 8 for gas.

10.2.3 Service Company Rents IS and GBE Program Net Utility Plant and Depreciation Expense Reconciliation Mechanism (Electric and Gas)

This deferral is set forth in Section 8.2.

10.2.4 IS Capital Investment Cost Incentive (Electric and Gas)

This deferral is set forth in Section 8.3.

10.2.5 Walk-in Payment Transaction Fees (Electric and Gas)

As set forth in Section 13.5.1, Niagara Mohawk's electric and gas rates include $1.120 million and $0.414 million, respectively, per year to recover the forecast cost of the transaction fees charged to customers who pay their bill at an authorized walk-in payment location. Each Rate Year, the Company will fully reconcile the actual level of transaction fee costs to the respective rate allowance. Any under- or over-recovery will be deferred for future refund to or recovery from customers. An example of this reconciliation is set forth in Appendix 5, Schedule 17 for electric, and in Appendix 6, Schedule 14 for gas.

10.2.6 LED Energy Efficiency Program (Electric Only)

The LED energy efficiency deferral is set forth in Section 13.2.3.

10.2.7 LED Capital Investment Tracker (Electric Only)

Niagara Mohawk's electric rates assume an annual rate of municipal conversions to LED technology of ten percent. To enable the Company to implement municipal conversions of up to 20 percent annually, the Company will implement an LED capital investment tracker for municipal LED street light conversions. Each Rate Year, the Company will reconcile the amount reflected in rates to convert municipal roadway luminaires to LEDs ($7.745 million per year, which includes the cost of removal), and defer for future recovery from or refund to customers the revenue requirement impact of the over or under spend (capped at an annual 20 percent LED conversion level). The LED Capital Investment Tracker will operate in conjunction with the Net Utility Plant and Depreciation Expense Reconciliation Mechanism described in Section 10.1.14 to

account for the two-way nature of the LED Capital Investment Tracker. An example of this reconciliation is set forth in Appendix 5, Schedule 15.

10.2.8 Vegetation Management Program Costs (Electric Only)

Niagara Mohawk will implement a downward only reconciliation of its transmission and distribution vegetation management program costs. The reconciliation will apply to the Company's aggregate total vegetation management costs (*i.e.,* combined transmission and distribution program costs, including the Emerald Ash Borer component of the program) over the term of the Rate Plan. Any under-expenditure in total program costs in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three. An example of the reconciliation is set forth in Appendix 5, Schedule 16.

10.2.9 Platform Service Revenue (Electric Only)

Consistent with the Commission's *Order Adopting a Ratemaking and Utility Revenue Model Policy Framework* (issued and effective May 19, 2016) in Case 14-M-0101 ("Track Two Order"), the Company will implement a platform service revenue sharing mechanism for its electric business in the Rate Years. The mechanism applies to the fees collected by the Company from vendors who participate in the Company's Residential Solar Marketplace and E-Commerce Platform. Each Rate Year, the Company is authorized to retain 20 percent of the fees. The remaining 80 percent of the fees will be deferred for future credit to customers. An example of this mechanism is set forth in Appendix 5, Schedule 18.

10.2.10 Street Light RDM (Electric Only)

The street light RDM is set forth in Section 3.5.

10.2.11 ETIP Revenues (Gas Only)

The Company will reconcile the actual gas ETIP revenues recovered from SC-3, SC-5, and SC-8 customers to the amount included in rates over the term of the Rate Plan. At the end of Rate Year Three, the Company will reconcile the difference, if any, and refund to or recover from customers the difference through the DSA. An example of this reconciliation is set forth in Appendix 3, Schedule 12.

10.2.12 Gas Safety Programs

This deferral is set forth in Section 7.5.

10.3 Additional Reconciliations, Deferrals, and True-Ups

Nothing in this Joint Proposal prevents Niagara Mohawk from implementing additional reconciliations or deferral mechanisms if approved by the Commission.[22]

[22] To the extent a deferral is not addressed by a specific provision of this Joint Proposal or as otherwise ordered by the Commission, in determining whether a change in Niagara Mohawk's costs or revenues that falls within a provision of this Joint Proposal is incremental or decremental, Niagara Mohawk's actual cost or revenue for the year affected by the change will be compared to the corresponding annual cost or revenue item reflected in rates. The cost or revenue forecast underlying rates established in these proceedings will be as stated in this Joint Proposal or as modified by the Commission in its final Order in these proceedings, increased as appropriate for inflation and reduced to reflect the total net productivity savings assumed in rates.

11. Electric and Gas Service Quality Assurance Program and Other Performance Metrics

11.1 Service Quality Assurance Program

Niagara Mohawk's Service Quality Assurance Program, which includes electric and gas customer service and electric reliability performance metrics, are set forth in Appendix 15.

11.2 Termination and Uncollectible Expense Metric (Electric and Gas)

Effective January 1, 2018, the Company will implement an annual Termination and Uncollectible Expense metric. The metric is designed to provide an incentive for the Company to reduce the number of residential service terminations for non-payment while decreasing, or maintaining, the level of bad debt from residential accounts.

The metric measures the number of annual residential terminations and the total annual uncollectible expense (*i.e.,* write offs) for the combined electric and gas segments, which, depending on performance, can result in full or partial negative or positive revenue adjustments as set forth in the table below:

	Customer Terminations* (5-Year Average)	**Uncollectible Expense (5-Year Average)**
5-Year Historical Average	58,000	$52,700,000
Positive (Lower) Target (PRA)	43,000	$39,400,000
Negative (Upper) Target (NRA)	72,000	$66,100,000

Positive Incentive	**Negative Incentive**
$3,591,700 if both measures are at or below Lower Targets	$3,591,700 if both measures are at or exceed Upper Targets

$1,539,300 if one measure is equal to or below Lower Target and the other is equal to or below 5-year Historical Average	$1,539,300 if one measure is equal to or exceeds Upper Target and the other is equal to or above 5-Year Historical Average

* "Terminations" means actual residential terminations completed, not the number of termination notices issued.

Niagara Mohawk will report on its performance on the Terminations and Uncollectible Expense metric in the quarterly and annual Service Quality Assurance Program reports, discussed in Appendix 15.

11.3 Gas Cost Estimating Metric

The Gas Cost Estimating Performance Metric is measured on a fiscal year basis (April 1 through March 31) and applies to all complex gas capital projects (initiated on or after May 19, 2016) with project estimates over $100,000 that are developed by the Company's Gas Projects Estimating group and that close during the applicable fiscal year. The metric includes both projects constructed by internal resources or contractors. Blanket and Program projects are excluded from the metric unless they are complex projects. Emergency projects and material-only purchase orders also are excluded from the metric.

The Gas Cost Estimating Performance Metric will be based on the variance between the project estimate and actual spending, measured using the pre-construction project estimate plus pre-construction change orders versus actual spending recorded in Power Plan when the project is closed. At the time the variance is calculated, the estimated burden/overheads included in the pre-construction estimates will be recalculated using the actual effective rates experienced during construction for all

projects except for customer reimbursed projects. Any recalculations to the pre-construction estimates will be clearly identified.

For all projects subject to the metric that closed during a given fiscal year, the Company will incur a negative revenue adjustment in the amount of:

- $280,000 if more than 20 percent of the projects experience cost variances of more than ten percent;
- $560,000 if more than 30 percent of the projects experience cost variances of more than ten percent; and
- $1.120 million if more than 40 percent of the projects experience cost variances of more than ten percent.

The Company will file a Gas Cost Estimating Metric Report with the Secretary by May 15 following each fiscal year for all metric-qualified projects that closed during the previous fiscal year. The Company may include in the annual report a request for exemption from the metric calculation for any project variance that was caused by third-party changes or other circumstances beyond the Company's control.

12. Gas Safety Performance Metrics

Niagara Mohawk's gas safety performance will be measured for each CY against a set of Gas Safety Performance Metrics. A total of 150 pre-tax basis points will be at risk per CY for Niagara Mohawk's performance under the Gas Safety Performance Metrics, as described below. Any Gas Safety Performance Metrics negative revenue adjustments incurred by Niagara Mohawk will be deferred for future use in incremental gas safety programs.

The Gas Safety Performance Metrics will be in effect for the term of the Rate Plan, and will continue thereafter on a year-to-year basis, unless discontinued or modified by the Commission. If Niagara Mohawk believes in any year that its inability to meet any of the established incentive targets was attributable to circumstances that are outside the control of Niagara Mohawk and could not be avoided with the exercise of due care, it may petition the Commission for relief from any associated negative revenue adjustment.

12.1 LPP Removal

12.1.1 Annual LPP Removal Metric

Niagara Mohawk will incur a negative revenue adjustment of eight basis points should it fail to remove from service a minimum of 45 miles of LPP in CY 2018 and CY 2019, or a cumulative three-year total of 150 miles of LPP by the end of CY 2020. Niagara Mohawk will replace leak-prone services in conjunction with LPP main removal efforts.

Should Niagara Mohawk not file for new rates to be effective at the conclusion of the Rate Plan, the negative revenue adjustment target will be set at 50 miles per CY beginning with CY 2021 and continuing until modified by the Commission.

12.1.2 LPP Removal Incentive

Niagara Mohawk will earn a positive revenue adjustment of two basis points for each full mile of LPP removed above the incentive thresholds set forth below. The positive revenue adjustment will be capped at ten basis points per year and deferred, as discussed in Section 10.1.8.

CY	2018	2019	2020
Incentive Threshold – Incremental Mileage	50 miles	50 miles	150 cumulative total
Incentive (capped at 10 basis points annually)	2 basis points per mile above threshold	2 basis points per mile above threshold	2 basis points per mile above threshold

An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 16. In the event Niagara Mohawk fails to achieve its minimum removal target in any CY or the cumulative target at the end of the Rate Plan, it will return any LPP removal incentive earned during the term of the Rate Plan.

12.2 Leak Management

12.2.1 Leak Backlog Metrics

Niagara Mohawk will incur a negative revenue adjustment if it fails to achieve year-end leak backlog targets for (i) workable leaks (Type 1, 2, and 2A leaks) and (ii) all leaks (Type 1, 2, 2A, and 3), as follows:

Leak Metric	Target		Negative Revenue Adjustment
Workable Leaks (Type 1, 2, 2A)	Each CY	≤ 25	8 basis points
Total Leaks (Type 1, 2, 2A, 3)	CY 18	925	4 basis points
	CY 19	See Below	
	CY 20	See Below	

For the Total Leaks Metric, the year-end total leak backlog relative to the target will result in the following revenue adjustments and targets for the subsequent year:

- Missed total target: Negative revenue adjustment of four basis points and the target for following year is reduced by 75.
- Total is 0 to 49 below target: Revenue adjustment of zero basis points and the target for following year is reduced by 75.
- Total is 50 to 99 below target: Positive revenue adjustment of one basis point and the target for following year is reduced by 75.
- Total is 100 to 149 below target: Positive revenue adjustment of two basis points and the target for following year is reduced by 100.
- Total is 150 to 199 below target: Positive revenue adjustment of three basis points and the target for following year is reduced by 150.
- Total is 200 to 249 below target: Positive revenue adjustment of four basis points and the target for following year is reduced by 200.
- Total is more than 249 below target: Positive revenue adjustment of five basis points and the target for following year is reduced by 250.

The following table provides the CY 2019 and CY 2020 targets based on the CY 2018 and CY 2019 performance expressed as the resulting revenue adjustment. For example, if CY 2018 performance results in a positive revenue adjustment of two basis points, the target for CY 2019 would be 825, and then if CY 2019 performance results in a positive revenue adjustment of three basis points, the target for CY 2020 would be 675.

Total Leak Backlog Target						
CY 2018	**CY 2019**	**CY 2020**				
CY 18 Target = 925 CY 18 Performance ↓	CY 19 Performance → CY19 Target ↓	RA = -4,0,1	RA = 2	RA = 3	RA = 4	RA = 5
		CY20 Target				
RA = -4,0,1*	850	775	750	700	650	600
RA = 2	825	750	725	675	625	575
RA = 3	775	700	675	625	575	525
RA = 4	725	650	625	575	525	475
RA = 5	675	600	575	525	475	425

* "RA" means revenue adjustment resulting from that year's actual performance.
** The numbers in the table represent the revenue adjustments ranging from negative four basis points up to a positive five basis point adjustment.

12.2.2 Leak Repair Incentive

As described above Niagara Mohawk will earn a positive revenue adjustment for eliminating incremental leaks below the Total Leak targets in Section 12.2.1. Niagara Mohawk will accrue a positive revenue adjustment of one basis point for each 50 leaks

eliminated (maximum of five basis points per year). Niagara Mohawk must achieve both annual backlog reduction targets to qualify for this incentive. The positive revenue adjustment will be deferred, as discussed in Section 10.1.8. An example of this mechanism is included in Appendix 6, Schedule 16.

12.3 Damage Prevention

12.3.1 Damage Prevention Metric

Beginning in CY 2018, the Damage Prevention Metric has been restructured to eliminate the individual metrics for Mismark and Company/Company Contractor damages. Instead of individual metrics for each damage category, the Damage Prevention Metric will be based on Overall Damages (as described below). Niagara Mohawk will incur a negative revenue adjustment of up to 18 basis points in the event its year-end damage prevention performance in Overall Damages falls within the following ranges:

Damage Prevention Measure	**Overall Damages per 1,000 one-call tickets**		
Negative Revenue Adjustment	0 basis points	9 basis points	18 basis points
CY 2018	< 2.25	2.25 – 2.75	> 2.75
CYs 2019 and 2020	< 2.00	2.00 – 2.50	> 2.50

For purposes of calculating the Damage Prevention Metric, Overall Damages will include the following categories and subcategories of damages:

Categories	Sub-Categories
Mismarks	Records Deficiency
	Locator Error
Company and Company Contractor	Company: Gas
	Contractor: Gas
	Other
Third Party	Operators
	Excavators
	Homeowners
No-Calls	Operators
	Excavators

Additionally, the Company will continue to report damage prevention data quarterly for purposes of the "Analysis of Damages on Gas Corporation Facilities" quarterly performance report as set forth in the Gas Safety Guidance letter dated December 11, 2015 and issued by the Deputy Director of the Office of Electric, Gas, and Water. The data included in the quarterly performance report is for informational purposes only and does not impact the calculation of the Damage Prevention Metric.

12.3.2 Damage Prevention Incentive

Niagara Mohawk will earn a positive revenue adjustment of up to six basis points in the event its year-end damage prevention performance in Overall Damages meets the following incentive targets:

Damage Prevention Measure	Overall Damages per 1,000 one-call tickets	
Positive Revenue Adjustment	3 basis points	6 basis points
CY 2018	1.50 – 2.0	< 1.50

CYs 2019 and 2020	1.25 – 1.75	< 1.25

The positive revenue adjustment will be deferred, as discussed in Section 10.1.8.

12.4 Emergency Response

12.4.1 Emergency Response Metric

Niagara Mohawk will incur a negative revenue adjustment for failure to meet the following leak and odor call response targets:

(a). Respond to 75 percent of all gas leak and odor calls within 30 minutes (six basis points);

(b). Respond to 90 percent of all gas leak and odor calls within 45 minutes (four basis points); and

(c). Respond to 95 percent of all gas leak and odor calls within 60 minutes (two basis points).

Instances of 20 or more odor calls in a two-hour period resulting from a mass area odor issue that is not caused by Niagara Mohawk can be excluded from this measure with Staff review. Niagara Mohawk will provide notification to Staff (through an email to safety@dps.ny.gov) within seven days of such events. Staff will review the requested exclusion and provide Niagara Mohawk with a determination of whether the event may be excluded.

12.4.2 Emergency Response Incentive

Niagara Mohawk will earn a positive revenue adjustment of up to six basis points for meeting the following leak and odor call response targets:

Emergency Response Incentive	Response within 30 minutes		
Response Rate	86% - 88%	> 88% - 90%	> 90%
Positive Revenue Adjustment	2 basis points	4 basis points	6 basis points

The positive revenue adjustment will be deferred, as discussed in Section 10.1.8.

12.5 Gas Safety Regulations Performance Metric

a. Niagara Mohawk will incur a negative revenue adjustment for instances of noncompliance (occurrences of violations) of certain gas safety regulations identified during Staff's field and records audits. Appendix 8 lists the high risk and other risk gas safety regulations pertaining to this metric.

b. Subject to section (c), below, Niagara Mohawk will be assessed negative revenue adjustments for each high risk and other risk violation, up to a maximum of 100 basis points per Rate Year, as follows:

Audit	Violation Type	Occurrences	Basis Points Per Occurrence
Annual Records Audit	High Risk	1-10	0
		11-40	1/2
		41+	1
	Other Risk	1-30	0
		31+	1/3
Annual Field Audit	High Risk	1 – 40	1/2
		41+	1

	Other Risk	All	1/3

c. The number of occurrences of non-compliance with each high risk and other risk regulation listed in Appendix 8 subject to a negative revenue adjustment is capped at ten per calendar year. If Niagara Mohawk is cited for more than ten occurrences of non-compliance with a particular high risk or other risk regulation in a calendar year, Niagara Mohawk will file with the Secretary a compliance improvement plan that contains: (i) a root cause analysis of Niagara Mohawk's compliance deficiency; and (ii) a proposed mitigation plan to address future performance. Niagara Mohawk and Staff will meet to develop a mutually agreeable mitigation plan, which will include provisions for tracking and regular reporting on Niagara Mohawk's efforts to address the compliance deficiency. The improvement plan will be filed with the Secretary within 90 days of the audit letter identifying the compliance deficiency.

d. At the conclusion of each audit, Staff and Niagara Mohawk will have a compliance meeting where Staff will present its findings to Niagara Mohawk. Niagara Mohawk will have ten business days from the date the audit findings are presented to cure any identified document deficiency. Only official Niagara Mohawk records, as defined in Niagara Mohawk's Operating and Maintenance plan, will be considered by Staff as a cure to a document deficiency. Staff will submit its final audit report to the Secretary under Case 17-G-0239. If Niagara Mohawk disputes any of Staff's final audit results, Niagara Mohawk may appeal Staff's finding to the Commission. Niagara Mohawk will not incur a negative revenue adjustment on the contested findings until such time as the Commission has issued a final decision on the contested findings.

Niagara Mohawk does not waive its right to seek an appeal of any Commission determination regarding a violation or penalty under applicable law.

e. If an alleged occurrence of non-compliance with a high risk or other risk regulation is the subject of a separate penalty proceeding by the Commission, the occurrence will not count under the performance metric. Any non-compliance event that encompasses more than one code section (*e.g.*, a violation of a gas safety regulation and Niagara Mohawk's operating procedures under 16 NYCRR 255.603(d)) will count as one occurrence for purposes of calculating a negative revenue adjustment.

f. The total negative revenue adjustment incurred will be deferred for future use to fund gas safety and compliance improvement programs. Niagara Mohawk and Staff will develop mutually agreeable program scopes and timelines for these safety and compliance programs, which will be submitted to the Commission for its review. Niagara Mohawk will submit regular status reports on the programs and funds expended.

12.6 Gas Safety Reporting and Exceptions

Niagara Mohawk will report its annual performance in each of the areas set forth in Sections 12.1 to 12.4 to the Secretary by April 1 following the end of each CY.

13. <u>Customer Programs</u>

13.1 Low Income Energy Affordability Program

Beginning January 1, 2018, Niagara Mohawk will implement its Energy Affordability Program in accordance with the Company's implementation plan, which was approved by the Commission with modification in its *Order Approving Implementation Plans With Modifications*, issued on February 17, 2017 in Case 14-M-

0565 (the "Implementation Order"). As noted in the Implementation Order, Niagara Mohawk discontinued new enrollments in its arrears forgiveness program (the Affordability Program) in March 2017. The program will be phased-out gradually, as existing customers participating in the program either complete the program, default, or voluntarily remove themselves from the program. The Company will reduce (debit) the current regulatory liability for the arrears forgiveness program for any credits provided to grandfathered customers.

The monthly benefit levels for each tier in the Energy Affordability Program are as follows:

Energy Affordability Program – Tiered Benefit Levels

Electric			
Tier Description	Tier	Heat Discount	Non-Heat Discount
Regular and Emergency HEAP Payment	Tier 1	$11.00	$11.00
HEAP payment + 1 add-on	Tier 2	$29.00	$29.00
HEAP payment + 2 add-ons	Tier 3	$47.00	$47.00
Direct Voucher/Guarantee	Tier 4	$31.00	$31.00
Non-Utility HEAP	Tier 5	$11.00	$11.00
Gas			
Tier Description	Tier	Heat Discount	Non-Heat Discount
Regular and Emergency HEAP Payment	Tier 1	$3.00	$3.00
HEAP payment + 1 add-on	Tier 2	$10.00	$3.00
HEAP payment + 2 add-ons	Tier 3	$29.00	$3.00
Direct Voucher/Guarantee	Tier 4	$12.00	$3.00
Non-Utility HEAP	Tier 5	$3.00	$3.00

The annual rate allowance for the Energy Affordability Program is $56.594 million for electric and $14.905 million for gas. Per the Commission's *Order Adopting*

Low Income Program Modifications and Directing Utility Filings (issued and effective May 20, 2016) in Case 14-M-0565 ("Low Income Order"), the Company annually will review the benefit levels with regard to the overall energy burden target and the two percent budget cap, and adjust benefit levels as needed. The rate allowance is subject to reconciliation, as set forth in Sections 10.1.2.

The Company will continue its current, monthly low income reports through November 2018. Starting with the first report filed after the Commission issues an order adopting the terms of this Joint Proposal, the reports will be filed with the Secretary. Beginning in December 2018, the Company will submit quarterly reports on the electric and gas Energy Affordability Program to the Secretary, as specified in the Low Income Order.

13.2 Energy Efficiency Program Costs

13.2.1 ETIP Costs

As of the Effective Date, the Company's electric and gas ETIP costs will be recovered in base rates instead of the Energy Efficiency Tracker Surcharge portion of the SBC. As Niagara Mohawk would be the first utility in the State to have its energy efficiency costs fully transitioned into base rates, Staff, the Company, and interested parties will work collaboratively to address any potential issues that may arise from the transition. The annual electric and gas ETIP costs included in base rates are $51.458 million and $10.549 million, respectively. This excludes the $1.6 million for the electric LED Energy Efficiency Program described in Section 13.2.3. The electric and gas ETIP costs are subject to a downward-only reconciliation over the term of the Rate Plan. Any under-expenditure in a given Rate Year will be carried forward and reconciled at the end

of Rate Year Three. An example of the reconciliation is set forth in Appendix 5, Schedule 22 for electric, and in Appendix 6, Schedule 19 for gas. The reconciliation applies to the Company's aggregate total electric and gas ETIP spending, respectively, not to individual budgeted program components within the electric and gas ETIPs. The Company will continue to be afforded the flexibility to shift funds within the respective electric and gas ETIP portfolio of programs.

13.2.2 Internal Labor, EM&V, and E-Commerce Platform Costs

Costs associated with the Company's energy efficiency internal labor, evaluation, measurement, and verification ("EM&V") activities, and the E-Commerce platform have been moved from the electric and gas ETIPs to base rates ($10.840 million annually for electric and $3.465 million annually for gas). These costs are not subject to reconciliation.

13.2.3 LED Energy Efficiency Program

The Company will implement an LED street lighting energy efficiency program with an annual rate allowance of $1.6 million to facilitate the conversion of street light assets to LEDs. This amount will be included in the electric ETIP, thus bringing the annual electric ETIP total to $53.058 million. The annual cost of this program will be separately reconciled, as described below. Under this program, the Company will provide an energy efficiency incentive per fixture, based on the fixture wattage installed, for both customer-owned and Company-owned street light assets on a first-come, first-served basis. Niagara Mohawk's administrative costs for the program will not exceed 10 percent of the annual program cost.

If, on an annual basis, the Company converts more than 10 percent of street light assets to LEDs and actual program costs exceed $1.6 million, the Company is authorized to defer for future recovery the pro-rated costs that: (i) exceed the rate allowance, and (ii) result from conversions in excess of 10 percent of the street light assets. The maximum amount that the Company can defer is an additional $1.6 million per year, for a maximum total annual cost of $3.2 million. An example of this reconciliation is set forth in Appendix 5, Schedule 21.

13.2.4 Moderate Income Energy Efficiency Offering

Beginning in Rate Year One, Niagara Mohawk will implement a moderate income electric and gas energy efficiency offering. In developing the offering, the Company will collaborate with the New York State Energy Research and Development Authority. By May 1, 2018, the Company will convene a meeting with interested parties to receive input on the Company's proposed offering. The details of the offering will be set forth in the Company's June 1, 2018 ETIP filing. The cost of the offering will be funded from the current electric and gas ETIP budgets.

13.3 Economic Development Programs

13.3.1 Economic Development Fund Program

The Company will continue its existing electric and gas Economic Development Fund Programs, which provide discounted electric and gas delivery rates to qualifying customers under the EZR and Excelsior Jobs Programs, and discounted delivery rates to customers qualifying for electric discount contracts under SC-12 or to customers with

existing SC-12 discount contracts. The discounts provided are subject to full reconciliation as set forth in Section 10.1.3.

13.3.2 Economic Development Grant Program

The Company will administer its portfolio of electric and gas Economic Development Grant Programs at funding levels of $11 million and $1 million per year, respectively, subject to downward-only reconciliation over the term of the Rate Plan, as set forth in Section 10.1.4. The Company will file annually with the Commission its Economic Development Program Plan for the upcoming year no later than November 1. The Company will continue to meet on an annual basis with Staff and interested parties to discuss the Economic Development Program Plan.

13.4 Call Center Technology Upgrades

Niagara Mohawk will implement IS upgrades to its call center technology. The Company will file with the Secretary quarterly reports on implementation status, including progress toward call balancing capability and expenditures to date. The first quarterly report will be due 30 days following the end of the second quarter of Rate Year One, with subsequent reports to be filed 30 days after the end of each Rate Year quarter. Once the call center technology upgrades are implemented, Niagara Mohawk is authorized to transfer calls among National Grid's New York State call centers and in state third-party vendors to balance call volumes.

13.5 Bill Payment Options

13.5.1 Walk-in Payment Transaction Fees

Niagara Mohawk's rates include the cost to socialize the per transaction fee charged to customers who pay their bill at an authorized walk-in payment location. Based on the current $1.25 per transaction fee for authorized walk-in payments, for approximately 1.22 million transactions, the annual rate allowance for these fees is $1.534 million. The fees will be allocated 73 percent and 27 percent to the electric and gas businesses, respectively. The rate allowance is subject to full reconciliation, as set forth in Section 10.2.5. The Company will make a determined effort to negotiate lower per-transaction costs in future vendor payment agreements.

13.5.2 Credit/Debit Card Transaction Fees

Niagara Mohawk will review options to attempt to lower the transaction fee customers are charged for using their credit or debit cards to pay their utility bill. Within 90 days of the Effective Date, the Company will file a report with the Secretary that includes an estimate of the costs to socialize the transaction fee, along with a proposal for cost recovery should the Commission determine that the transaction fee should be socialized. There is no presumption that such transaction fees should or should not be socialized, and parties may take any position concerning any proposal filed by the Company.

13.6 Same-Day Electric Customer Reconnections

Niagara Mohawk commits to perform more same-day electric reconnections when practical. The Company will work toward a goal of same-day reconnections for electric

customers whose payment is received by noon. The Company will work toward this goal without additional incremental cost recovery and without any associated penalty. The Company will collect and report monthly data to the Secretary on the number and percentage of same-day reconnections for electric customers whose payment is received by noon.

13.7 Payment Agreements

13.7.1 Training Materials and Customer Messaging

Niagara Mohawk will update its training materials for customer service representatives and enhance its customer messaging on collections-related brochures, written customer notices, and the integrated voice response message regarding customers' rights for affordable payment agreements. In addition, the Company's training materials will be updated, as needed, to discuss the availability of, and the requirements for enrollment in, low income assistance programs. Specifically:

a. The Company's training materials and customer messaging will distinguish between customers' options for "collection arrangements" or "deferred payment agreements" ("DPAs"), and include language to provide customers with information on the features of each, including the amount the customer will be required to pay under each; and

b. The Company will update its 2015 Customer Service Representative Training Materials (which were provided in these proceedings as Attachment 2 to the Company's response to Information Request No. DPS-580) to eliminate references to "non-enforceable" oral arrangements and otherwise update the training materials to reflect current practices.

Within 30 days of the Effective Date, the Company will provide interested parties with the updated training materials and enhanced messaging for input and comment. Parties will provide any comments to the Company by May 31, 2018, with the Company finalizing any proposed changes by June 30, 2018. The Company fully commits to working with the parties to enhance these materials, but the final content of the training materials and messaging will be selected by the Company in its discretion. The Company will complete any required training for call center representatives and consumer advocates within 90 days of finalizing the updated training materials and messaging.

13.7.2 Recording Calls

Niagara Mohawk will, to the extent practicable, record outbound and inbound collection calls to and from the Company's call centers.

13.7.3 Written Confirmation of Collections Arrangements

Niagara Mohawk will maintain a record of non-DPA collection arrangements entered into as part of a customer's account file. The Company will instruct its call center representatives to offer a written copy of all such agreements to the customer, and to furnish a written copy to each customer entering into such agreement by mail or e-mail, upon request.

13.7.4 Electronic Deferred Payment Agreements

By December 31, 2017, Niagara Mohawk agrees to submit a proposal to implement electronic DPAs to the Commission for its approval. The proposal will be

modeled upon the electronic DPA implementation plan submitted in Case 13-G-0016, and will include a risk assessment. A draft of Niagara Mohawk's proposal will be provided to interested parties for comment prior to filing with the Commission.

13.8 Gas Programs

13.8.1 Commercial Gas Demand Response Project

Niagara Mohawk will implement a Commercial Gas Demand Response Project for commercial firm customers who agree in advance to permit the Company to reduce their gas usage during periods of peak demand. This non-pipeline alternative project will focus on customers served through the East Gate and will target a 25 percent average peak reduction in gas usage for each participating customer. The goal of the program is to achieve an approximate one percent reduction of the winter peak on the East Gate. Under the program, participating customers will receive payments based on the number of demand response activations, the number of "units" reduced by the customer (where one unit represents 0.5 dekatherms per hour), and the incentive rate, which will be determined through a competitive bid process. The program will utilize third-party aggregation, as available, and develop equipment control interconnection standards for prospective participants. The Company will file with the Secretary an annual report on the status of the program that includes a benefit-cost analysis ("BCA") within 30 days following the end of each Rate Year.

13.8.2 Oil Conversion (Gas) Program

The Company will continue its oil conversion program, the cost of which will not exceed $1 million annually. The program provides customers with rebates for converting

to high-efficiency gas equipment to reduce a customer's upfront cost of converting from oil to natural gas, including a rebate targeted at low income customers. Niagara Mohawk's rates reflect an expense allowance of $0.764 million each Rate Year to support the conversion program. Program costs will be subject to a full reconciliation, as set forth in Section 10.1.22, provided that the total program costs will be capped at $1 million in any Rate Year.

13.8.3 Neighborhood Expansion Program

Niagara Mohawk's Neighborhood Expansion Program ("NEP") was approved by the Commission in Case 12-G-0202. Under the NEP, Niagara Mohawk uses a variety of data to identify promising locations for conversion projects and seeks to secure commitments from a threshold level of customers to justify the capital investment in infrastructure necessary to serve the area. Niagara Mohawk will continue the NEP using the density test approved in Case 12-G-0202 to identify a threshold level of customers sufficient to justify NEP-related investments.

As part of its marketing for the NEP, the Company will assess customers' interest in converting from oil to gas or electric heat pumps. The Company will also develop two BCAs for the NEP to be filed in its next rate case. The first BCA will be conducted from a prospective customer perspective and consider the cost and benefits of a customer installing and operating natural gas or other heating alternatives. The second BCA will be conducted using the Commission's societal cost test set forth in the *Order Establishing the Benefit Cost Analysis Framework*, issued on January 21, 2016 in Case 14-M-0101 (the "BCA Order"). At the same time as the Company responds to the pre-filing discovery requests in the next rate proceeding, the Company will provide one

additional run of the customer perspective BCA and the societal cost test BCA to Pace directly. The customer perspective BCA provided to Pace will reflect the operating expenses over the lives of each heating system. The societal cost test BCA provided to Pace will include methane (to the extent that methane or its CO_2 equivalent is not already included in the version submitted by the Company) and additional inputs to be provided by Pace. The provision of this information by the Company will not be considered to be an endorsement of the requested BCA by the Company or other Signatory Parties.

13.8.4 Low Income CIAC Relief Program

The Low Income CIAC[23] Relief Program will provide customers enrolled in the Energy Affordability Program who are interested in converting to natural gas with up to 50 feet of additional main and up to 50 feet of additional service line (in addition to the existing tariff entitlements) at no cost. The Company estimates this program will provide benefits to 50 eligible low income customers in each Rate Year.

13.8.5 Renewable Gas Interconnection Standards

Within 30 days of the Effective Date, Niagara Mohawk will file with the Secretary a standard interconnection agreement to be used by owners, operators, and/or developers of renewable resources that will set forth the terms and conditions on which gas may be delivered to the Company's distribution systems. This interconnection agreement will set forth, *inter alia*, standards for gas quality and will delineate responsibility for equipment ownership and operation and maintenance. The

[23] CIAC is the contribution in aid of construction that customers seeking natural gas service are required to pay for an extension of more than 100 feet of main and/or 100 feet of service line.

interconnection agreement will permit owners/operators/developers to deliver gas for either transportation to third parties or sale to the Company on such terms as the parties may negotiate. The standard interconnection agreement will be consistent with the standardized interconnection agreements that were approved by the Commission in Cases 16-G-0058 and 16-G-0059.

13.8.6 Non-Pipeline Alternative Incentive Mechanism

Within 60 days of the Effective Date, the Company will facilitate a collaborative to develop mechanisms, targets, and appropriate financial incentives for non-pipeline alternatives that are focused on improving the efficiency and operation of the Company's natural gas system. The collaborative will consider solutions using new and existing technologies to accomplish this goal. Any recommended incentive will require, on a project basis: (i) an overall positive net BCA, performed in accordance with the BCA Order, and (ii) a reduction to fossil fuel usage and/or the elimination of fossil fuel usage during peak periods. As a starting point, the parties to the collaborative will assess the applicability of the non-wires alternative process, set forth above in Appendix 13, to the non-pipeline alternative incentive. The Company will file a report on the collaborative's findings and recommendations within 180 days of the start of the collaborative.

13.9 Electric Customer Products

Niagara Mohawk's electric rates include $2 million annually ($6 million in total over the term of the Rate Plan) for an electric heat and an electric transportation initiative.

The electric heat initiative is designed to encourage customers to convert to efficient electric heat pumps when replacing older, less efficient, and more carbon

intensive heating equipment. The initiative will provide rebates to promote the installation of electric heat pumps so as to accelerate efficient heat electrification in support of New York State's climate goals.

The electric transportation initiative is an electric vehicle charging station development and education program that is designed to increase electric vehicle adoption while supporting New York State's zero emission vehicles and greenhouse gas emissions policy goals. Under this initiative, the Company would make capital upgrades to accommodate the future installation of electric vehicle charging stations at commercial customers' properties, and provide incentives to property owners to encourage the installation of these stations.

The Company will spend $2 million over the term of the Rate Plan on each initiative (total of $4 million). The remaining $2 million will be allocated between the electric heat and electric transportation initiatives in an amount that the Company determines, in its discretion, would deliver the most benefits for customers through carbon reductions.

13.10 SC-1 Alternative Rate Structures

Within six months of the order setting rates in these proceedings, the Company will file with the Secretary a proposal or proposals for time-of-use and/or other voluntary residential rate structure(s) to further the State's energy goals, including the adoption of beneficial electrification technologies such as electric vehicles and renewable electric heat pumps. The Company will provide interested parties with a draft of the proposal for comment, and will consider comments from the parties prior to filing the proposal with

the Commission. Any revenue impacts associated with any alternative rate structure will be reconciled within the SC-1 RDM.

13.11 Electric Vehicle Statewide Proceeding

Niagara Mohawk commits to support, and would fully participate in, a generic statewide proceeding addressing the development of electric vehicle infrastructure in New York State if the Commission were to institute such a proceeding.

14. Earnings Adjustment Mechanisms

Niagara Mohawk's electric and gas EAMs are set forth in Appendix 7.

15. Miscellaneous Provisions

15.1 Electric Supply Matters

15.1.1 Avoided Capacity and Ancillary Service Costs

The Company will calculate an estimate of avoided ancillary service costs for legacy contracts and avoided ancillary service and capacity costs for SC-6 contracts, and credit such avoided costs through the LTC. An illustrative example of the allocation of avoided capacity and ancillary service costs is set forth in Appendix 2, Schedule 12.

15.1.2 NYISO Weather Normalizing Adjustment

For the purpose of calculating Installed Capacity Tags, the Company will allocate the New York Independent System Operator ("NYISO") weather normalizing adjustment to determine peak factor to reflect that some service classes are more weather-sensitive than others. An example of this methodology is included in Appendix 2, Schedule 13.

15.1.3 Electricity Supply Reconciliation Mechanism

The Company will file with the Commission a study that evaluates alternative methods for calculating the ESRM for mandatory hourly-priced customers. The study will include an evaluation of the possibility of reconciling capacity charges for hourly-priced customers separately. The Company will provide Staff, OGS, and other interested parties a draft of the study for comment, and will consider comments from OGS and other parties prior to filing the study with the Commission. The Company will file the study, along with proposals and tariff amendments, if any, within six months after the order setting rates is issued in these proceedings. Any potential change must be cost neutral to the Company.

15.2 Gas Supply Matters

15.2.1 Long-Term Capacity Planning Changes for East Gate and West Gate

Niagara Mohawk will segregate its planning for the needs of the East Gate and West Gate service areas to provide transparency between demand forecast and capacity planning needs for both gates. Albany, New York weather data will be used for the East Gate, and Syracuse, New York weather data will be used for the West Gate.

15.2.2 Delivery Nomination Procedures for East Gate Constraint

To address capacity constraints on the East Gate, beginning in the winter of CY 2018/19, Niagara Mohawk will establish transporter nomination procedures for all transport customers served in the East Gate region during times of capacity constraint on the East Gate. These nomination procedures will require that a percentage of each East

Gate transportation customer's nominations be delivered to the Company's system on Tennessee Gas Pipeline ("TGP") when forecast temperatures are at or below designated temperature triggers. The TGP delivery percentage and temperature trigger will be set forth in the Company's GTOP manual and will be reviewed annually and revised, as necessary. Niagara Mohawk may enter into individually-negotiated contracts with customers that may provide alternative means for addressing capacity issues on the East Gate. These contracts would not necessarily require customers to nominate deliveries on TGP, provided that they reasonably address the capacity constraint. Additional details are provided in Appendix 11.

Prior to March 1, 2018, the Company will provide affected transportation customers with details on the Company's proposal to implement the new transporter nomination procedures. Interested parties will have the opportunity to provide comments and feedback on the Company's proposal, and the Company will consider that feedback in developing the final implementation plan. These procedures will be discussed in the ESCO collaborative meetings described in Section 15.3.1.

15.2.3 New Gas Cost Mechanism for SC-8 D-1 Sales Service

To eliminate arbitrage opportunities with SC-8 D1 Standby Sales Elections, the Company will establish a set of D1 election guidelines, to be effective beginning in the winter of 2018/2019, intended to discourage the purchase of standby gas supplies when not required to meet the gas supply requirements of D1 customers (*e.g.*, D1 elections that are resold in the market). D1 elections determined to have violated the D1 election

guidelines will be billed at the Company's highest daily incremental cost of gas. Additional details on the D1 election guidelines are provided in Appendix 12.

15.3 ESCO Gas Matters

15.3.1 Retail Choice Program Capacity Modifications

Commencing in the winter of CY 2018/19, Niagara Mohawk will establish a capacity release program to release to gas marketers/ESCOs a pro-rata share of all of the Company's gas supply assets (*i.e.*, provide a "slice of the system"). Allocation of the Company's capacity will be adjusted among ESCOs to meet East Gate and West Gate customer supply needs. Niagara Mohawk will release or assign to each ESCO its pro-rata share of each of the Company's pipeline and storage assets (regardless of whether the ESCO's customers are located in the east or west). The Company will also allocate a portion of its city gate peaking supplies to ESCOs to be managed by the Company, and provided to ESCOs, as needed. The details of the capacity release program will be described in the Company's GTOP manual.

For Dominion Transmission's City Gate Swing Customer program to work with the Company's new slice of the system approach to capacity releases, ESCO deliveries on pipelines other than Dominion Transmission will be considered "first through the meter." The remaining deliveries will be allocated to, and balanced on, Dominion Transmission.

Prior to March 1, 2018, the Company will provide ESCOs with details on the Company's proposal to implement the expanded capacity release program. ESCOs and other interested parties will have the opportunity to provide comments and feedback on the Company's proposal, and the Company will consider that feedback in developing the

final implementation plan. Within 60 days of the Effective Date, the Company will hold a special technical meeting to coordinate with ESCOs and other interested parties on the final implementation plan. Following implementation of the capacity release program, the Company will address any ESCO issues resulting from the new program at the Company's annual winter supply meeting (to take place no later than April 15, 2019). To the extent necessary, an additional collaborative session facilitated by the Company and Staff will be held to discuss the capacity release programs and address any implementation issues. If the parties cannot resolve any issues in the collaborative after consultation with Staff, the parties retain the right to petition the Commission for resolution.

15.3.2 Allocation of the Proceeds of Asset Management Agreements

Consistent with current practice, Asset Management Agreement ("AMA") credits derived from upstream transportation and storage assets used to serve sales customers only will be allocated solely to those sales customers. Any credits derived from assets serving both core sales and core transportation customers, such as storage services and peaking services (reliability assets) that are not released under the retail choice program, will be shared by sales customers and transportation customers' ESCOs equally on a volumetric basis calculated using distribution volumes. The amount of revenues/credits provided to ESCOs will be equivalent to the ESCO customers' proportionate responsibility for the costs of the upstream storage services provided by the Company that are the subject of the AMAs that result in the revenues/credits. This excludes sharing

of credits for assets that are retained solely to serve sales customers after ESCOs have received their "slice of the system" share of the Company's assets.

15.4 AMI

Niagara Mohawk will convene a collaborative with Staff and interested parties to refine and update its AMI business plan. The collaborative will provide the parties with an opportunity to review and provide input on the Company's plan to implement AMI across its service territory. As set forth below, the schedule includes large group meetings, with the possibility of smaller working group meetings, with the goal of presenting to the Commission a report with a revised AMI business plan, no later than October 1, 2018, for Commission review and action.

a. By April 30, 2018, the Company will hold an initial large group meeting with Staff and interested parties. At the initial meeting, the Company will make a technical presentation about its AMI business plan, review its BCA, as set forth in the rebuttal testimony of the Company's AMI Panel and provide the BCA model. Thereafter, the Company and parties will discuss any questions, comments, or requests Staff and the parties would like the Company to address going forward as it works to refine and update its AMI business plan. The discussions, comments, and questions will include, but are not limited to, the proposed AMI meter deployment period; customer engagement plan; real-time data latency; third-party data access; metrics to measure the success of the AMI program; allocation of AMI costs among service classifications; AMI system components; and the level of granularity at which AMI costs can be tracked without increasing costs above a *de minimis* level. Participants also can determine whether there are sub-issues that would benefit from discussion in smaller working

groups that would report their findings to all stakeholders at the subsequent large group meetings.

b. Between May 15 and August 1, 2018, the Company will refine and update its AMI business plan. As part of this process, the Company will take into consideration the comments and concerns raised by Staff and interested parties. During this time period, the Company will also hold smaller working group meetings, as requested by the participants.

c. On or about August 1, 2018, the Company will convene a second large group meeting with Staff and interested parties. At this meeting, the Company will provide a technical presentation about its refined and updated AMI business plan and BCA model, responses to the parties' comments, and proposed metrics. The Company will further discuss any questions, comments, or proposed modifications from Staff or interested parties.

d. By August 15, 2018, Staff and interested parties may submit to the Company written comments and/or proposed modifications to the Company's refined and updated AMI business plan and BCA, responses to the parties' comments, and proposed metrics.

e. By August 30, 2018, the Company will convene a third large group meeting with Staff and interested parties. At this meeting, the Company will provide new information, if any, on the AMI business plan and BCA, responses to the parties' comments, and proposed metrics, and further discuss any questions, comments, or proposed modifications from Staff or interested parties.

f. No later than October 1, 2018, the Company will file a report with the Secretary for the proposed implementation of AMI. The report will contain the following elements:

- A refined and updated AMI business plan, BCA, and customer engagement plan;
- A metering plan to meet the rate design options as of January 1, 2020 that are envisioned in the Commission's Value of DER proceeding in Case 15-E-0751;
- A revised AMI deployment schedule with a BCA (using the Societal Cost Test, Utility Cost Test, and Rate Impact Measure) for different meter deployment periods;
- Metrics to measure the success of the AMI program;
- Information on expected real-time data latency and third-party data access;
- The level of granularity at which AMI costs can be tracked without increasing costs above a *de minimis* level;
- A proposal for cost recovery of AMI and any associated activities associated with implementation of AMI;
- A proposal to allocate AMI costs among customer service classifications; and
- A proposal that would enable the Company to meet the rate design options as of January 1, 2020 envisioned in the Commission's Value of DER proceeding in Case 15-E-0751.

g. At the same time that the Company files the report specified in paragraph 15.4.f, the Company will provide interested parties with the BCA model reflected in the report.

The Signatory Parties recognize that the Company's report would then be subject to consideration by the Commission, and all interested parties will have an opportunity to participate in any process provided for prior to Commission action on the AMI report and proposals contained therein. Interested parties may also challenge any recommendation to proceed with AMI via the procedures set forth in the Commission's Rules and Regulations. The Signatory Parties acknowledge and agree that the Commission will make a final determination on whether and how to implement AMI in the Company's service territory.

15.5 Corporate Structure, Affiliate Rules, and Miscellaneous Corporate Provisions

Niagara Mohawk's Corporate Structure, Affiliate Rules, and Miscellaneous Corporation Provisions have been updated and are included in Appendix 16.

15.6 Recognition of Policy Proceedings

The Commission conducts proceedings associated with statewide policy objectives that may impact the Company during the term of the Rate Plan (*e.g.,* the Value of DER proceeding in Case 15-E-0751, the REV proceeding in Case 14-M-0101, and the energy efficiency programs proceeding in Case 15-M-0252). Nothing in this Joint Proposal limits the Commission's ability to require the Company to implement changes or take certain action pursuant to these or other policy proceedings that may necessitate cost recovery of incremental costs or changes in rate design during the term of the Rate

Plan. Additionally, the Company may petition the Commission for approval of programs that will create savings or add value, and associated shared savings mechanisms during the term of this rate plan.

15.7 Clifton Park REV Demonstration Project

The Company will work with UIU to analyze available data from the Clifton Park REV Demonstration Project to inform the REV Track Two rate design working group.

15.8 2000 New York State Income Tax Change

Niagara Mohawk agrees to amortize and credit to customers over ten years approximately $30.9 million associated with the 2000 New York State income tax change and the related amortization of the Statement of Financial Accounting Standards 109 regulatory liability for federal income tax and state income tax expense. This agreement fully and finally resolves, with prejudice, all matters related to this issue. An illustration of the amortization and credit is included in Appendix 1, Schedules 1 and 2.

15.9 Filing for New Base Delivery Rates During the Term of the Rate Plan

Niagara Mohawk agrees not to file for new base delivery rates to be effective prior to April 1, 2021. The following exceptions will apply:

a. The Company may petition the Commission to implement changes to its base rates as may be required or warranted by newly-enacted legislation or regulations and nothing in this Joint Proposal shall prohibit Niagara Mohawk from implementing changes to rates or charges, in a manner to be determined by the Commission, as may be required by newly enacted legislation or regulations;

b. The Company may petition the Commission for deferral of extraordinary expenses not addressed by this Joint Proposal;

c. The Company may petition the Commission for approval of new services and/or discrete incentives;

d. The Company may petition the Commission for changes to rate design or revenue allocation that are revenue neutral including, but not limited to, the implementation of new service classifications and/or elimination of existing service classifications. Such petitions must demonstrate that the proposed changes are consistent with the overall rate design and revenue allocation provided for in this Joint Proposal;

e. The Company may petition the Commission for minor changes in base rates, provided the effect is *de minimis* or is essentially offset by associated changes in other base rates, statements, terms, or conditions of service; and

f. The Company may file tariff amendments to implement changes as described in this Joint Proposal.

Any party may take any position on any filing made by the Company pursuant to this section.

Notwithstanding the foregoing, nothing in this Joint Proposal shall prohibit the Commission (upon its own motion or upon motion of an interested party) from exercising its ongoing statutory authority to act on the level of the Company's rates in the event of unforeseen circumstances that, in the Commission's judgment, have such a substantial impact on the rate of return as to render the return on common equity unreasonable, unnecessary, or inadequate for the provision of safe and adequate service.

16. Other Provisions

16.1 Submission to the Commission

The Signatory Parties agree to request that the Commission adopt the terms of this Joint Proposal without modification. The Signatory Parties intend that this Joint Proposal will be adopted by the Commission as being in the public interest and agree individually to advocate its adoption by the Commission in its entirety and to act so as to expedite that result.

16.2 Conditioned on Commission Adoption/ No Severability

The Signatory Parties intend this Joint Proposal to be a complete resolution of all issues in these proceedings. It is understood that each provision of this Joint Proposal is in consideration and support of all the other provisions, and expressly conditioned upon acceptance by the Commission. Except as set forth herein, none of the Signatory Parties is deemed to have approved, agreed to, or consented to any principle, methodology, or interpretation of law underlying or supposed to underlie any provision herein. If the Commission fails to adopt this Joint Proposal according to its terms, then the Signatory Parties to the Joint Proposal will be free to pursue their respective positions in this proceeding without prejudice.

16.3 Application of Agreement/No Precedent

Except as otherwise stated in this Joint Proposal, the provisions of the Joint Proposal apply solely to and are binding only in the context of this Joint Proposal and this proceeding. None of the terms of this Joint Proposal and none of the positions taken by any Signatory Party with respect to this Joint Proposal may be referred to, cited by, or

relied upon by anyone in any manner as precedent or otherwise in any other proceeding before the Commission or any other regulatory body or before any court of law for any purpose other than the adoption, implementation, furtherance, or extension of this Joint Proposal. Concessions made by any Signatory Party on any issue do not preclude that party from addressing such issues in future rate proceedings or in other proceedings.

16.4 Future Actions/ Dispute Resolution

The Signatory Parties recognize that certain provisions of this Joint Proposal contemplate actions to be taken in the future and agree to cooperate with each other in good faith in taking such actions.

In the event of any disagreement over the interpretation of this Joint Proposal that cannot be resolved informally among the Signatory Parties, the party claiming a dispute will serve a Notice of Dispute on the remaining parties, briefly identifying the provision or provisions of this Joint Proposal under dispute and the nature of the dispute, and convening a conference in a good faith attempt to resolve the dispute. If any such efforts are not successful in resolving the dispute among the Signatory Parties, the matter will be submitted to the Commission for resolution.

16.5 Continuation

Except as set forth herein, following the expiration of the term of the Rate Plan, all provisions of this Joint Proposal (except for (i) the application of deferral credits to offset the revenue requirements, (ii) the downward-only tracking mechanisms for IS, GBE, and electric and gas net utility plant and depreciation expenses set forth in Sections 8.2, 10.1.14, and 10.1.21, respectively, and (iii) the provisions governing the sale of street

lighting facilities during the term of this Joint Proposal set forth in Section 9.3) will continue until changed by order of the Commission. Except as expressly provided otherwise, any targets, goals, deferral thresholds, or other similar items set forth in this Joint Proposal for Rate Year Three will continue beyond Rate Year Three until modified by the Commission.

16.6 Extension

Nothing in this Joint Proposal will be construed as precluding the active parties from convening additional conferences and from reaching agreement to extend this Joint Proposal on mutually-acceptable terms and from presenting an agreement concerning such extension to the Commission for its approval.

16.7 Entire Agreement

This Joint Proposal sets forth the entire agreement of the Signatory Parties and supersedes any prior or contemporaneous written documents or oral understandings among the Signatory Parties concerning the matters addressed herein. In the event of any conflict between this Joint Proposal and any other document addressing the same subject matter, this Joint Proposal will control.

16.8 Counterparts

This Joint Proposal is being executed in counterpart originals and will be binding on each Signatory Party when the counterparts have been executed.

Signature Pages Follow

Niagara Mohawk Power Corporation d/b/a National Grid has this day signed and executed this Joint Proposal.

By: _____
Philip A. DeCicco
Acting Vice President and Deputy General Counsel

Date: DECEMBER 21, 2017

New York State Department of Public Service Staff has this day signed and executed this Joint Proposal.

By: _____
Brandon F. Goodrich
Staff Counsel

Date: January 19, 2018

Multiple Intervenors has this day signed and executed this Joint Proposal.

By: Michael B. Mager

Michael Mager, Partner
Couch White, LLP
Counsel for Multiple Intervenors

Date: December 21, 2017

Pace Energy and Climate Center has this day signed and executed this Joint Proposal.

By: _____

Radina Valova
Senior Staff Attorney
Pace Energy and Climate Center

Date: December 27, 2017

The Environmental Defense Fund has this day signed and executed this Joint Proposal.

By: _____

Martin C. Rothfelder
Rothfelder Stern, L.L.C.
Counsel for Environmental Defense Fund

Date: December 22, 2017

International Brotherhood of Electrical Workers, Local Union 97 has this day signed and executed this Joint Proposal.

By: Richard J. Koda

Richard Koda, Principal
Koda Consulting, Inc.
Counsel for International Brotherhood of Electrical Workers, Local Union 97

Date: December 22, 2017

New York Geothermal Energy Organization, Inc. has this day signed and executed this Joint Proposal.

By: Bill Nowak
Bill Nowak
Executive Director

Date: December 22, 2017

Tesla, Inc. has this day signed and executed this Joint Proposal.

By: _____
Kevin Auerbacher
Senior Counsel

Date: 12/21/2017

The City of Buffalo has this day signed and executed this Joint Proposal.

By: _____
Steven J. Stepniak, Commissioner
City of Buffalo, Department of Public Works, Parks and Streets

Date: 12/27/17

The City of Albany has this day signed and executed this Joint Proposal.

By: _____
Christopher Spencer
Commissioner of Planning & Development

Date: December 22, 2017

The City of Syracuse has this day signed and executed this Joint Proposal.

By: Abigail R. Hind

Abigail Hind
Assistant Corporation Counsel

Date: 12/22/17

ChargePoint, Inc. has this day signed and executed this Joint Proposal.

By: _____
Kevin George Miller
Director, Public Policy

Date: January 17, 2018

Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

Great Eastern Energy has this day signed and executed this Joint Proposal.

By: Michael Bauer

Michael Bauer
Director of Regulatory Affairs

Date: 12/27/2017

Mirabito Natural Gas has this day signed and executed this Joint Proposal.

By: _____
David Lundeen
Vice President

Date: 12-22-17

Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

Blue Rock Energy, Inc. has this day signed and executed this Joint Proposal.

By: _____

Jim Cifaratta
Senior Vice President
BlueRock Energy, Inc.

Date: 12-22-17

Direct Energy has this day signed and executed this Joint Proposal.

By: Angela Schorr

Angela Schorr
Manager, Government and Regulatory Affairs

Date: 1/4/18

New York State Office of General Services has this day signed and executed this Joint Proposal.

By: Konstantin Podolny

Konstantin Podolny
Read and Laniado, LLP
Outside Counsel for the New York State Office of General Services

Date: 12/22/2017

Wal-Mart Stores East, LP and Sam's East, Inc. has this day signed and executed this Joint Proposal.

By: _____

Barry Naum
Spilman Thomas & Battle, PLLC
Counsel for Wal-Mart Stores East, LP and Sam's East, Inc.

Date: 22 DECEMBER 2017

New York Power Authority has this day signed and executed this Joint Proposal.

By: _____
Joseph Rende
Director – Customer Business Development

Date: JANUARY 9TH, 2018

APPENDIX 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Statement of Operating Income
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	Settlement Adjustments	Joint Proposal Rate Year Ending March 31, 2019	Base Revenue Increase Required	Rate Year Ending March 31, 2019 with Base Revenue Requirement
Operating Revenues	$ 2,527,118	(1)	$ (37,550)	$ (14,655)	$ 2,474,913	$ 159,974	$ 2,634,887
Deductions							
Purchased Power Costs	626,119	(2)	18,093	(18,093)	626,119		626,119
Revenue Taxes	32,289	(3)	(662)	662	32,289	2,087	34,376
Total Deductions	658,408		17,431	(17,431)	658,408	2,087	660,495
Gross Margin	1,868,710		(54,981)	2,776	1,816,505	157,887	1,974,392
Total Operation & Maintenance Expenses	1,154,934	(4)	(51,096)	10,778	1,114,616	2,533	1,117,149
Amortization of Regulatory Deferrals	2,482		-	-	2,482	-	2,482
Depreciation, Amort. & Loss on Disposition	248,992	(5)	(26,195)	8,858	231,655	-	231,655
Taxes Other Than Revenue & Income Taxes	203,587	(6)	(788)	764	203,563	-	203,563
Total Operating Revenue Deductions	1,609,995		(78,079)	20,400	1,552,317	2,533	1,554,850
Operating Income Before Income Taxes	258,715		23,098	(17,624)	264,189	155,354	419,543
Income Taxes							
Federal Income Taxes	47,391	(7)	8,495	(26,620)	29,266	30,504	59,770
State Income Taxes	4,957	(8)	5,194	(4,001)	6,150	10,098	16,248
Total Income Taxes	52,348		13,689	(30,621)	35,416	40,602	76,018
Operating Income After Income Taxes	$ 206,367		$ 9,409	$ 12,996	$ 228,773	$ 114,752	$ 343,525
Rate Base	$ 5,207,221	(9)	$ (89,598)	$ 143,105	$ 5,260,727		$ 5,260,727
Rate of Return	3.96%				4.35%		6.53%

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 1 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of O&M Expenses
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	$ 19,830	(4a)	(759)	$ 19,071	336	$ 19,407
Contractors	82,982	(4t)	-	82,982	(545)	82,437
Donations	-		-	-	-	-
Employee Expenses	7,610		-	7,610	-	7,610
Hardware	372		-	372	-	372
Software	12,381		-	12,381	-	12,381
Other	21,570	(4b)	(1,762)	19,808	1,022	20,830
Rents	19,988		0	19,988	-	19,988
Service Company Rents	41,226	(4c)	(7,580)	33,646	2,414	36,060
Construction Reimbursement	416		-	416	-	416
FAS 106	16,750	(4d)	(68)	16,683	-	16,683
FAS 112	369	(4e)	(5)	364	4	368
Health Care	34,635	(4f)	(158)	34,476	-	34,476
Group Life Insurance	1,402	(4g)	(5)	1,397	-	1,397
Other Benefits	225		-	225	-	225
Pensions	32,573	(4h)	(74)	32,498	-	32,498
Thrift Plan	8,295	(4i)	(161)	8,134	126	8,260
Workers Comp	3,390	(4j)	(20)	3,370	-	3,370
Materials Outside Vendor	9,009		-	9,009	-	9,009
Materials From Inventory	5,699	(4k)	(989)	4,710	247	4,957
Materials Stores Handling	1,155		-	1,155	-	1,155
Postage	8,685		-	8,685	-	8,685
Total Labor	271,550	(4l)	(2,835)	268,715	535	269,250
Transportation	22,538	(4m)	(572)	21,966	567	22,533
Energy Efficiency program	51,458		-	51,458	-	51,458
Clean Energy Fund	161,715		-	161,715	-	161,715
Injuries and Damages	11,235		-	11,235	-	11,235
Other Initiatives	81,423	(4n)	(24,707)	56,716	5,439	62,155
Productivity Adjustment	(6,338)	(4o)	(3,087)	(9,424)	3,117	(6,307)
Rate Case Expense	493		-	493	-	493
Regulatory Assessment Fees	10,687		-	10,687	-	10,687
Uncollectible Accounts	36,302	(4p)	(595)	35,707	(220)	35,487
SIR	27,321		-	27,321	-	27,321
Vegetation Management	64,974	(4q)	(4,450)	60,524	1,320	61,844
Savings	(4,319)	(4s)	-	(4,319)	(6,853)	(11,172)
Legal	2,835		-	2,835	-	2,835
Accounting	2,014		-	2,014	-	2,014
Conservation Load Management	1,889		-	1,889	-	1,889
Storm Fund	23,000	(4r)	(3,267)	19,733	3,267	23,000
Economic Development Program	11,000		-	11,000	-	11,000
Low Income Progr. Inventive Programs	56,594		-	56,594	-	56,594
Incentive Programs	-		-	0	-	0
Sub Total - Departmental	$ 1,154,934		$ (51,096)	$ 1,103,838	$ 10,778	$ 1,114,616
TOTAL	$ 1,154,934		$ (51,096)	$ 1,103,838	$ 10,778	$ 1,114,616

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Federal Income Taxes
For the Rate Year Ending March 31, 2019
(Whole Dollars)

	Federal - Electric					
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 264,188,552		$ 264,188,552	$ 55,480,000		$ 55,480,000
Interest	(115,209,927)		(115,209,927)	(24,194,000)		(24,194,000)
New York State Income Taxes	(6,149,869)		(6,149,869)	(1,291,000)		(1,291,000)
Flow-through Cost of Removal	(43,846,193)		(43,846,193)	(9,208,000)		(9,208,000)
Flow-through Depreciation	42,649,194		42,649,194	8,956,000		8,956,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	67,000		67,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	(2,592,689)		(2,592,689)	(544,000)	-	(544,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	$ 139,357,362	$ -	$ 139,357,362	$ 29,266,000	$ -	$ 29,266,000
	21.00%					

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - State Income Taxes
For the Rate Year Ending March 31, 2019
(Whole Dollars)

	State - Electric					
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 264,188,552		$ 264,188,552	$ 17,172,000		$ 17,172,000
Interest	(115,209,927)		(115,209,927)	(7,489,000)		(7,489,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	1,720,181		1,720,181	112,000		112,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	21,000		21,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-	(1,073,442)	(1,073,442)
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(2,592,689)	(2,592,689)
Tax Only Item - 3	-		-	-		-
TOTAL SIT EXPENSE	$ 151,017,100	$ -	$ 151,017,100	$ 9,816,000	$ (3,666,131)	$ 6,149,869
	6.50%					

Note 1: $30.9M = $25.93M electric and $4.94M gas
Amortized over 10 years = $2.593M electric per year and $0.494M gas per year

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 3 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Net Utility Plant	$ 6,982,862	(9a)	(83,866)	$ 6,898,996	70,691	$ 6,969,687
Regulatory Assets / Liabilities	(86,082)	(9b)	302	(85,780)	-	(85,780)
Accumulated Deferred Income Taxes - Federal	(1,619,827)	(9c)	1,870	(1,617,957)	54,164	(1,563,793)
Accumulated Deferred Income Taxes - State	(229,371)	(9d)	(1,591)	(230,962)	10,441	(220,522)
Working Capital		(9e)				
Materials and supplies	40,431		-	40,431	-	40,431
Prepayments	(10,310)		-	(10,310)	-	(10,310)
O&M Cash Allowance (1/8 O&M exp)	113,182		(6,313)	106,869	7,808	114,677
Supply Cash Allowance (Dec 16 lead/lag study)	48,562		-	48,562	-	48,562
Change in Supply Cash Allowance (6.72 % x RY PP exp)	(4,078)		-	(4,078)	-	(4,078)
subtotal Working Capital	187,787		(6,313)	181,474	7,808	189,282
subtotal avg. before EBCAP adj.	5,235,368		(89,598)	5,145,770	143,105	5,288,874
Excess Earnings Base adjustment	(28,147)		-	(28,147)	-	(28,147)
Total Rate Base	$ 5,207,221		$ (89,598)	$ 5,117,623	$ 143,105	$ 5,260,727

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 4 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Capital Structure
For the Rate Year Ending March 31, 2019
($000's)

Settlement Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	$ 2,686,072	51.06%	4.29%	2.19%	2.19%
Customer Deposits	25,377	0.48%	0.35%	0.00%	0.00%
Preferred Stock	24,129	0.46%	3.66%	0.02%	0.03%
Common Equity	2,525,149	48.00%	9.00%	4.32%	5.85%
Total	$ 5,260,727	100.00%		6.53%	8.07%

==========

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req				
Bad Debt % for Rev Req	1.58%	1.58371%	Tax	$ 32,289
GRT rate for Rev Req	1.30%		Revenue	$ 2,474,913
Federal Income Tax rate	21.00%		GRT	1.3046598%
NYS Income Tax rate	6.50%	73.8650%		
Historic Year EBCAP	$ (20,415)			
General Inflation (from 12/31/16 to 3/31/19)	4.3476%			

==========

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 5 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Adjustments for the Rate Year Ending March 31, 2019
($000's)

		Staff Direct Amount		Settlement Adjustment Amounts		Joint Proposal Amount	
Adj. 1	**Operating Revenues**						
(a)	To adjust operating revenues to reflect Staff's sales forecast	$ 12,984		$ (12,984)		-	
(b)	To move energy efficiency costs into base rates	(51,458)		-		(51,458)	
(c)	To increase CSS reconnection revenue	1,601		(1,601)		-	
(d)	To eliminate Residential Solar Marketplace revenues	(147)		-		(147)	
(e)	To eliminate DG interconnection fees	(600)		-		(600)	
(f)	Tracking adjustment to late payment charges for increase in revenues	70	$ (37,550)	(70)	$ (14,655)	-	$ (52,205)
Adj. 2	**Purchased Power Costs**						
	To reflect Staff's change in sales forecast	18,093	$ 18,093	(18,093)	$ (18,093)	-	$ -
Adj. 3	**Revenue Taxes**						
	To reflect change in revenue taxes for Staff's sales forecast	(662)	$ (662)	662	$ 662	-	$ -
Adj. 4	**Operating and Maintenance Expenses**						
(a)	**Consultant Expense**						
(1)	To remove Accenture costs - 50%	(672)		336		(336)	
(2)	To normalize executive search firm costs	(87)	$ (759)	-	$ 336	(87)	$ (423)
(b)	**Other**						
(1)	To remove Grid Iron Café charges	(63)		63		-	
(2)	To remove sales commissions/rounding adjustments	(218)		218		-	
(3)	To remove Whiteman, Osterman & Hanna LLP charges	(1,481)	$ (1,762)	742	$ 1,022	(740)	$ (740)
(c)	**Service Company Rents**						
(1)	To disallow enhanced bill design initiative	(15)		-		(15)	
(2)	To impute NMPC rate of return / To impute Company's 9.0% ROE	(1,044)		470		(574)	
(3)	To impute a slippage adjustment / To impute Company's IS Forecast Spend Reduction	(5,175)		1,014		(4,161)	
(4)	To remove AMI from rate year	-		-		-	
(5)	To remove distribution projects from the rate year	(1,346)		1,346		-	
(6)	Flow through impact of Tax Law Change	-	$ (7,580)	(416)	$ 2,414	(416)	$ (5,166)
(d)	**FAS 106**						
(1)	To reflect the proper capitalization rate for fringe benefits	(68)		-		(68)	
(2)	To delay implementation of FAS175	-	$ (68)	-	$ -	-	$ (68)
(e)	**FAS 112**						
	To reflect the proper capitalization rate for fringe benefits	(5)	$ (5)	4	$ 4	(1)	$ (1)
(f)	**Healthcare**						
	To reflect the proper capitalization rate for fringe benefits	(158)	$ (158)	-	$ -	(158)	$ (158)
(g)	**Group Life Insurance**						
	To reflect the proper capitalization rate for fringe benefits	(5)	$ (5)	-	$ -	(5)	$ (5)
						-	
(h)	**Pension**						
(1)	To reflect the proper capitalization rate for fringe benefits	(74)		-		(74)	
(2)	To delay implementation of FAS175	-	$ (74)	-	$ -	-	$ (74)
(i)	**Thrift Plan**						
(1)	To reflect the proper capitalization rate for fringe benefits	(35)		-		(35)	
(2)	To remove inflation from the Local 97 and 97C component of thrift plan	(126)	$ (161)	126	$ 126	-	$ (35)
(j)	**Workers Comp**						
	To reflect the proper capitalization rate for fringe benefits	(20)	$ (20)	-	$ -	(20)	$ (20)
(k)	**Materials From Inventory**						
	To reflect normalization of vendor charges	(989)	$ (989)	247	$ 247	(742)	$ (742)
(l)	**Labor Expense**						
(1)	To remove variable pay from miscellaneous pay	(1,837)		-		(1,837)	
(2)	To remove variable pay from sales commission employees	(151)		-		(151)	
(3)	To normalize historic test year miscellaneous pay	(103)		-		(103)	
(4)	To limit management pay increases to 3% per year	(744)	$ (2,835)	535	$ 535	(209)	$ (2,300)
(m)	**Transportation**						
(1)	To remove the Service Company back billing pertaining to CY15 from the HTY	(253)		248		(5)	
(2)	To reflect Staff's auction proceeds	(319)	$ (572)	319	$ 567	-	$ (5)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Adjustments for the Rate Year Ending March 31, 2019
($000's)

		Staff Direct Amount		Settlement Adjustment Amounts		Joint Proposal Amount	
(n)	**Other Initiatives**						
(1)	To remove 6 FTE from EIOP Succession Planning	(67)		14		(52)	
(2)	To remove 1 FTE from SSP Energy Affordability Program	(85)		0		(85)	
(3)	To remove 2 FTEs from ECP DSP Functions	(226)		0		(226)	
(4)	To update opex rate and NMPC allocation per DPS-505 & DPS-664	(364)		3		(362)	
(5)	To reduce salaries for entry-level positions	(103)		0		(103)	
(6)	To reflect slippage in hiring incremental FTEs	(721)		(0)		(721)	
(7)	To adjust productivity adjustment from 1.0% to 1.5%	(23)		23		-	
(8)	To reflect updated Capex forecast for Opex associated with Capex	(2,134)		72		(2,062)	
(9)	To reflect update of latest known data for Opex associated with Capex	(3,181)		176		(3,005)	
(10)	To disallow the incremental customer outreach and education budget	(664)		-		(664)	
(11)	To disallow enhanced bill design initiative	(398)		-		(398)	
(12)	To reduce OPEX and RTB related to enhanced bill design initiative	(52)		-		(52)	
(13)	To reduce OPEX and RTB related to AMI	(3,628)		-		(3,628)	
(14)	To reduce OPEX and RTB related to distribution projects	(3,605)		(0)		(3,605)	
(15)	To impute an IS slippage adjustment for RTB	(1,927)		639		(1,288)	
(16)	To impute slippage on GBE and Grid Mod. OPEX	(3,710)		159		(3,551)	
(17)	To impute a reduction to IS OPEX based on a % of allowed IS Capex	(3,550)		900		(2,650)	
(18)	To reduce future management audit costs due to amortization of costs instead	(269)		-		(269)	
(19)	To add 3rd party transaction fees	-		1,120		1,120	
(20)	To add Customer products	-		2,000		2,000	
(21)	Adjust Opex assoc w/ Capex (inflation)	-		6		6	
(22)	Adjust inflation on EIOP Opex	-		(10)		(10)	
(23)	Adjust inflation on IS	-	$ (24,707)	338	$ 5,439	338	$ (19,267)
(o)	**Productivity**						
(1)	Flow-through adjustments tracking labor and payroll tax adjustments	38		(7)		31	
(2)	To adjust productivity adjustment from 1.0% to 1.5%	(3,124)	$ (3,087)	3,124	$ 3,117	-	$ 31
(p)	**Uncollectibles**						
	Flow-through adjustment tracking revenue adjustments	(595)	$ (595)	(220)	$ (220)	(815)	$ (815)
(q)	**Vegetation Management**						
	To reduce transmission right-of-way vegetation management	(4,450)	$ (4,450)	1,320	$ 1,320	(3,130)	$ (3,130)
(r)	**Major Non-Deferrable and Minor Storms**						
	To normalize historic test year major non-deferrable and minor storm costs	(3,267)	$ (3,267)	3,267	$ 3,267	-	$ -
(s)	**Savings**						
(1)	Additional Savings	-		(8,368)		(8,368)	
(2)	Flow through impact of Tax Law Change	-	$ -	1,515	$ (6,853)	1,515	$ (6,853)
(t)	**Contractors**						
	Minor storms adjustment	-	$ -	(545)	$ (545)	(545)	$ (545)
	Total Operating & Maintenance Expense Adjustments		$ (51,096)		$ 10,778		$ (40,317)
Adj. 5	**Depreciation Expense**						
(a)	To reflect changes in depreciation rate and capex flow through effect	(20,783)		3,446		(17,337)	
(b)	To reflect amortization of book reserve surplus	(5,412)	$ (26,195)	5,412	$ 8,858	-	$ (17,337)
Adj. 6	**Taxes Other Than Revenue & Income Taxes**						
(a)	**Real Estate Taxes**						
	To reflect reduction to incremental additions to plant in service	(398)	$ (398)	398	$ 398	-	$ -
(b)	**Special Franchise**						
	To reflect reduction to incremental additions to plant in service	(346)	$ (346)	346	$ 346	-	$ -
(c)	**Payroll Taxes**						
	Flow-through adjustments tracking labor adjustments	(44)	$ (44)	20	$ 20	(24)	$ (24)
	Total Taxes Other Than Revenue & Income Taxes		$ (788)		$ 764		$ (24)
Adj. 7	**Federal Income Taxes**						
	Flow-through adjustment relating to state income tax adjustment	1,227	$ 1,227	-	$ -	1,227	$ 1,227
Adj. 8	**State Income Taxes**						
	To adjust tax only item - state year 2000	3,506	$ 3,506	(2,593)	$ (2,593)	914	$ 914
	Total Income Tax Adjustments		$ 4,733		$ (2,593)		$ 2,141
Adj. 9	**Rate Base**						
(a)	**Net Utility Plant**						
(1)	To adjust Company's plant additions forecast/includes Company's FY '18 adjustment	(4,852)		(9,525)		(14,377)	
(2)	To reflect changes in depreciation rate	10,298		(1,775)		8,523	
(3)	To write-off the stranded costs for the pre-AMR meters	(84,065)		80,965		(3,100)	
(4)	To reduce capitalized pension and OPEB costs	(5,247)	$ (83,866)	1,026	$ 70,691	(4,221)	$ (13,175)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Adjustments for the Rate Year Ending March 31, 2019
($000's)

		Staff Direct Amount		Settlement Adjustment Amounts		Joint Proposal Amount	
(b)	**Regulatory Assets / Liabilities**						
	To reflect amortization of future management audit costs over 5 years	302	$ 302	-	$ -	302	$ 302
(c)	**Accumulated Deferred Income Taxes - Federal**						
	(1) Flow-through adjustment related to capital pension and OPEB costs	1,149		-		1,149	
	(2) To adjust ADFIT tracking OEGWs plant in service adjustments at a rate of 25%, per company, allocated between ADFIT and ADSIT	741		(155)		585	
	(3) To adjust ADFIT to reflect amort. of future management audit costs over 5 years	(20)		-		(20)	
	(4) Flow-through adjustment related to State Year 2000 adjustment	-		-		-	
	(5) Impact of Tax Law Change	-	$ 1,870	54,319	$ 54,164	54,319	$ 56,034
(d)	**Accumulated Deferred Income Taxes - State**						
	(1) Flow-through adjustment related to capital pension and OPEB costs	163		-		163	
	(2) To adjust ADSIT tracking OEGWs plant in service adjustments at a rate of 25%, per company, allocated between ADFIT and ADSIT	105		9		113	
	(3) Adjusting Tax Only Item-State Year 2000	(1,753)		10,432		8,679	
	(4) To adjust ADSIT to reflect amort. of future management audit costs over 5 years	(106)	$ (1,591)	-	$ 10,441	(106)	$ 8,849
(e)	**Working Capital**						
	To adjust working capital to reflect Staff's O&M adjustments	120	$ 120	7,807	$ 7,807	7,927	$ 7,927
	Total Rate Base Adjustments		$ (83,165)		$ 143,104		$ 59,938

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2019
($000's)

Taxes Other Than Revenue and Income Taxes	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Real Estate Taxes						
Real Property	$ 97,797	(6a)	(398)	$ 97,400	$ 398	$ 97,797
Special Franchise	85,227	(6b)	(346)	84,880	346	85,227
Total Real Estate Taxes	183,024		(744)	182,280	744	183,024
Payroll Taxes	20,243	(6c)	(44)	20,199	20	20,219
Other	320		-	320	-	320
Total Taxes Other Than Revenue and Income Taxes	$ 203,587		$ (788)	$ 202,799	$ 764	$ 203,563

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 9 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Depreciation Expense (acct 403)	$ 248,992	(5)	$ (26,195)	$ 222,797	$ 8,858	$ 231,655
Amortization Expense (acct 404-405)	-		-	-	-	-
Accretion Expense (acct 411.10)	-		-	-	-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-	-	-
Total Depreciation & Amortization Expense	$ 248,992		$ (26,195)	$ 222,797	$ 8,858	$ 231,655

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 10 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Avg Rate Base Per Books	$ 5,235,368	$ (89,598)	$ 5,145,770	$ 143,105	$ 5,288,874
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-	-	-
Less: Rate Base moved to GAC	-	-	-	-	-
Less: Excess Earnings Adj (EBCAP)	28,147	-	28,147	-	28,147
Rate Base	5,207,221	(89,598)	5,117,623	143,105	5,260,727
Weighted Cost of LTD Debt	2.19%	0.00%	2.19%	0.00%	2.19%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%	0.00%	0.00%
subtotal weighted cost of debt	2.19%	0.00%	2.19%	0.00%	2.19%
Total Income Tax Interest Deduction	$ 114,038	$ (1,962)	$ 112,076	$ 3,134	$ 115,210

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 11 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2019
($000's)

Description	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Total O&M Expense	$ 1,154,934	$ (51,096)	$ 1,103,838	$ 10,778	$ 1,114,616
Remove major non-cash items included O&M expense :					
Bad Debt expense	(36,302)	595	(35,707)	220	(35,487)
Other (EE & 18A)	(213,173)		(213,173)		(213,173)
Subtotal	(249,475)	595	(248,880)	220	(248,660)
Add major cash items not included in O&M expense:					
Other	-	-	-	51,458	51,458
Subtotal	-	-	-	51,458	51,458
Total Adjustments	(249,475)	595	(248,880)	51,678	(197,202)
Adjusted O&M Expense	$ 905,459	$ (50,501)	$ 854,958	$ 62,456	$ 917,414
Departmental Cash Allowance - 1/8 (45 days)	113,182	(6,313)	106,870	7,807	114,677
Supply Cost Cash Allowance (3.64% x HY PP exp)	-	-	-	-	-

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 12 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending March 31, 2019
($000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	$ 4,649,266	-	$ 4,649,266	-	$ 4,649,266
(B)	ADD: Average interest-bearing CWIP	210,893	-	210,893	-	210,893
(C)	TOTAL EARNINGS BASE (A+B)	4,860,159	-	4,860,159	-	4,860,159
	Percent	100.00%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
	Long Term Debt	2,269,427		2,269,427		2,269,427
	Notes Payable	4,252		4,252		4,252
	Gas Supplier Refunds	329		329		329
	Customer Deposits	24,391		24,391		24,391
	Preferred Stock	23,666		23,666		23,666
	Common Equity (excludes merger GW; incl TCI adj)	2,700,302		2,700,302		2,700,302
	Avg. Allocated to Elec / Gas based on Earnings Base	5,022,368		5,022,368		5,022,368
(E)	Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F)	SUBTOTAL (D+E)	5,022,368		5,022,368		5,022,368
	LESS Average Investments in:					
	Detailed balance sheet accounts	(111,825)	-	(111,825)	-	(111,825)
	Accumulated Def Inc Tax Adjustment	253,619	-	253,619	-	253,619
	Goodwill					
(G)	Total Deductions	141,794		141,794		141,794
(H)	Capitalization Dedicated to Public Service (F-G)	4,880,574		4,880,574		4,880,574
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	$ (20,415)		$ (20,415)		$ (20,415)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Statement of Operating Income
For the Rate Year Ending March 31, 2020
($000's)

	Rate Year Ending March 31, 2019	Adj. #	Adjustments	Rate Year Ending March 31, 2020	Base Revenue Increase Required	Rate Year Ending March 31, 2020 with Base Revenue Requirement
Operating Revenues	$ 2,634,887	(1)	$ (36,861)	$ 2,598,026	$ 31,014	$ 2,629,040
Deductions						
Purchased Power Costs	626,119	(2)	(33,003)	593,116		593,116
Revenue Taxes	34,376	(3)	(416)	33,960	405	34,365
Total Deductions	660,495		(33,419)	627,076	405	627,481
Gross Margin	1,974,392		(3,442)	1,970,950	30,609	2,001,559
Total Operation & Maintenance Expenses	1,117,149	(4)	(16,169)	1,100,981	491	1,101,472
Amortization of Regulatory Deferrals	2,482		-	2,482	-	2,482
Depreciation, Amort. & Loss on Disposition	231,655	(5)	11,297	242,952	-	242,952
Taxes Other Than Revenue & Income Taxes	203,563	(6)	6,578	210,141	-	210,141
Total Operating Revenue Deductions	1,554,850		1,706	1,556,556	491	1,557,047
Operating Income Before Income Taxes	419,543		(5,148)	414,394	30,118	444,512
Income Taxes						
Federal Income Taxes	59,770	(7)	(1,942)	57,828	5,914	63,742
State Income Taxes	16,248	(8)	(642)	15,606	1,958	17,564
Total Income Taxes	76,018		(2,584)	73,434	7,872	81,306
Operating Income After Income Taxes	$ 343,525		$ (2,564)	$ 340,960	$ 22,247	$ 363,206
Rate Base	$ 5,260,727	(9)	$ 344,313	$ 5,605,040		$ 5,605,040
Rate of Return	6.53%			6.08%		6.48%

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 14 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of O&M Expenses
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	$ 19,407	(4a)	$ 408	$ 19,815
Contractors	82,437	(4a)	1,731	84,169
Donations	-		-	-
Employee Expenses	7,610	(4a)	160	7,769
Hardware	372	(4a)	8	380
Software	12,381	(4a)	260	12,641
Other	20,830	(4a)	437	21,268
Rents	19,988	(4b)	504	20,492
Service Company Rents	36,060	(4c)	2,010	38,069
Construction Reimbursement	416	(4a)	9	424
FAS 106	16,683	(4d)	(6,451)	10,232
FAS 112	368	(4a)	8	376
Health Care	34,476	(4a)	374	34,851
Group Life Insurance	1,397	(4a)	29	1,426
Other Benefits	225	(4a)	5	229
Pensions	32,498	(4e)	(24,358)	8,140
Thrift Plan	8,260	(4a)	197	8,457
Workers Comp	3,370	(4a)	71	3,441
Materials Outside Vendor	9,009	(4a)	189	9,198
Materials From Inventory	4,957	(4a)	104	5,061
Materials Stores Handling	1,155	(4a)	24	1,179
Postage	8,685	(4a)	182	8,868
Total Labor	269,250	(4f)	7,078	276,327
Transportation	22,533	(4g)	64	22,597
Energy Efficiency program	51,458		-	51,458
Clean Energy Fund	161,715	(4h)	(1,176)	160,538
Injuries and Damages	11,235	(4a)	236	11,471
Other Initiatives	62,155	(4i)	3,605	65,761
Productivity Adjustment	(6,307)	(4j)	(3,702)	(10,009)
Rate Case Expense	493	(4k)	-	493
Regulatory Assessment Fees	10,687	(4l)	224	10,912
Uncollectible Accounts	38,020	(4m)	(600)	37,420
SIR	27,321	(4n)	-	27,321
Vegetation Management	61,844	(4o)	2,599	64,443
Savings	(11,172)	(4a)/(4s)	(539)	(11,710)
Legal	2,835	(4a)	60	2,895
Accounting	2,014	(4a)	42	2,057
Conservation Load Management	1,889	(4a)	40	1,929
Storm Fund	23,000	(4p)	-	23,000
Economic Development Program	11,000	(4q)	-	11,000
Low Income Program	56,594	(4r)	-	56,594
Incentive Programs	-		-	-
Sub Total - Departmental	$ 1,117,149		$ (16,169)	$ 1,100,981
TOTAL	$ 1,117,149		$ (16,169)	$ 1,100,981

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Federal Income Taxes
For the Rate Year Ending March 31, 2020
(Whole Dollars)

	Federal - Electric					
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 414,394,319		$ 414,394,319	$ 87,023,000		$ 87,023,000
Interest	(119,947,865)		(119,947,865)	(25,189,000)		(25,189,000)
New York State Income Taxes	(15,605,869)		(15,605,869)	(3,277,000)		(3,277,000)
Flow-through Cost of Removal	(43,846,193)		(43,846,193)	(9,208,000)		(9,208,000)
Flow-through Depreciation	42,649,194		42,649,194	8,956,000		8,956,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	67,000		67,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item	-		-	-	-	-
Tax Only Item - State Year 2000 - (Note 1)	(2,592,689)		(2,592,689)	(544,000)	-	(544,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	$ 275,369,191	$ -	$ 275,369,191	$ 57,828,000	$ -	$ 57,828,000
	21.00%					

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - State Income Taxes
For the Rate Year Ending March 31, 2020
(Whole Dollars)

	State - Electric					
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 414,394,319		$ 414,394,319	$ 26,936,000		$ 26,936,000
Interest	(119,947,865)		(119,947,865)	(7,797,000)		(7,797,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	1,720,181		1,720,181	112,000		112,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	21,000		21,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-	(1,073,442)	(1,073,442)
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(2,592,689)	(2,592,689)
Tax Only Item - 3	-		-	-		-
TOTAL SIT EXPENSE	$ 296,484,929	$ -	$ 296,484,929	$ 19,272,000	$ (3,666,131)	$ 15,605,869
	6.50%					

Note 1: $30.9M = $25.93M electric and $4.94M gas
Amortized over 10 years = $2.593M electric per year and $0.494M gas per year

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 16 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2020
($000's)

	Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Net Utility Plant	$ 6,969,687	(9a)	377,475	$ 7,347,162
Regulatory Assets / Liabilities	(85,780)	(9b)	(6,346)	(92,126)
Accumulated Deferred Income Taxes - Federal	(1,563,793)	(9c)	(11,960)	(1,575,753)
Accumulated Deferred Income Taxes - State	(220,522)	(9d)	(11,473)	(231,994)
Working Capital		(9e)		
Materials and supplies	40,431		849	41,280
Prepayments	(10,310)		(217)	(10,527)
O&M Cash Allowance (1/8 O&M exp)	114,677		(1,799)	112,878
Supply Cash Allowance (Dec 16 lead/lag study)	48,562		-	48,562
Change in Supply Cash Allowance (6.72 % x RY PP exp)	(4,078)		(2,216)	(6,294)
subtotal Working Capital	189,282		(3,383)	185,898
subtotal avg. before EBCAP adj.	5,288,874		344,313	5,633,187
Excess Earnings Base adjustment	(28,147)		-	(28,147)
Total Rate Base	$ 5,260,727		$ 344,313	$ 5,605,040

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 17 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Capital Structure
For the Rate Year Ending March 31, 2020
($000's)

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	$ 2,861,874	51.06%	4.19%	2.14%	2.14%
Customer Deposits	27,038	0.48%	0.35%	0.00%	0.00%
Preferred Stock	25,708	0.46%	3.66%	0.02%	0.03%
Common Equity	2,690,419	48.00%	9.00%	4.32%	5.85%
Total	$ 5,605,040	100.00%		6.48%	8.02%

==========

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req				
Bad Debt % for Rev Req	1.58%	1.58371%	Tax	$ 32,289
GRT rate for Rev Req	1.30%		Revenue	$ 2,474,913
Federal Income Tax rate	21.00%		GRT	1.3046598%
NYS Income Tax rate	6.50%	73.8650%		
Historic Year EBCAP	$ (20,415)			
General Inflation (from 12/31/16 to 3/31/19)	4.3476%			

==========

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 18 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Adjustments for the Rate Year Ending March 31, 2020
($000's)

		Adjustments		Amount	
Adj. 1	**Operating Revenues**				
	To reflect RY20 sales forecast	$ (36,861)	$ (36,861)	$ (36,861)	$ (36,861)
Adj. 2	**Purchased Power Costs**			-	
	To reflect RY20 sales forecast	(33,003)	$ (33,003)	(33,003)	$ (33,003)
Adj. 3	**Revenue Taxes**				
	To reflect RY20 sales forecast	(416)	$ (416)	(416)	$ (416)
Adj. 4	**Operating and Maintenance Expenses**				
(a)	**Various Expenses**				
	To reflect increase in expense due to inflation	4,026	$ 4,026	4,026	$ 4,026
(b)	**Rents**				
	To reflect specific RY20 forecast and general inflation	504	$ 504	504	$ 504
(c)	**Service Company Rents**				
	(1) To reflect RY 20 forecast	2,108			
	(2) Flow through impact of Tax Law Change	(98)	$ 2,010	2,108	$ 2,010
(d)	**FAS 106**				
	To reflect forecast per actuarial report	(6,451)	$ (6,451)	(6,451)	$ (6,451)
(e)	**Pension**				
	To reflect forecast per actuarial report	(24,358)	$ (24,358)	(24,358)	$ (24,358)
(f)	**Labor Expense**				
	To reflect increase in salaries and wages by labor inflation factor	7,078	$ 7,078	7,078	$ 7,078
(g)	**Transportation**				
	To reflect specific RY20 forecast and general inflation	64	$ 64	64	$ 64
(h)	**Clean Energy Fund**				
	To reflect RY 20 forecast	(1,176)	$ (1,176)	(1,176)	$ (1,176)
(i)	**Other Initiatives**				
	To reflect RY20 forecast and general inflation	3,605	$ 3,605	3,605	$ 3,605
(j)	**Productivity**				
	Flow through adjustment related to labor adjustment	(3,702)	$ (3,702)	(3,702)	$ (3,702)
(k)	**Rate Case Expense**				
		-	$ -	-	$ -
(l)	**Regulatory Assessment Fees**				
	To reflect specific RY20 forecast and general inflation	224	$ 224	224	$ 224
(m)	**Uncollectibles**				
	To reflect increase associated with change in revenue	(600)	$ (600)	(600)	$ (600)
(n)	**Site Investigation and Remediation**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(o)	**Vegetation Management**				
	To reflect RY 20 forecast	2,599	$ 2,599	2,599	$ 2,599
(p)	**Major Non-Deferrable and Minor Storms**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(q)	**Economic Development Fund**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(r)	**Low Income Program**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(s)	**Savings**				
	Flow through impact of Tax Law Change	10	$ 10	10	$ 10
	Total Operating & Maintenance Expense Adjustments		$ (16,169)		$ (16,169)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Adjustments for the Rate Year Ending March 31, 2020
($000's)

		Adjustments		Amount	
Adj. 5	**Depreciation Expense**				
(a)	To reflect RY20 forecast associated with Net Utility Plant	11,297	$ 11,297	11,297	$ 11,297
Adj. 6	**Taxes Other Than Revenue & Income Taxes**				
(a)	**Real Estate Taxes**				
	To reflect RY20 forecast	3,306	$ 3,306	3,306	$ 3,305.9
(b)	**Special Franchise**				
	To reflect RY20 forecast	2,881	$ 2,881	2,881	$ 2,881
(c)	**Payroll Taxes**				
	Flow through adjustment related to labor adjustment	385	$ 385	385	$ 385
(d)	**Other Taxes**				
	To reflect RY20 inflation	7	$ 7	7	$ 7
	Total Taxes Other Than Revenue & Income Taxes		$ 6,572		$ 6,572
Adj. 7	**Federal Income Taxes**				
(a)	Flow through calculation	(2,612)		(2,612)	
(b)	Impact of Tax Law change	670	$ (1,942)	670	$ (1,942)
Adj. 8	**State Income Taxes**				
(a)	Flow through calculation	(519)		(519)	
(b)	Flow through impact of Tax Law change	(123)	$ (642)	(123)	$ (642)
	Total Income Tax Adjustments		$ (2,584)		$ (2,584)
Adj. 9	**Rate Base**				
(a)	**Net Utility Plant**				
	(1) To reflect RY20 plant forecast	377,475	$ 377,475	377,475	$ 377,475
(b)	**Regulatory Assets / Liabilities**				
	To reflect RY20 forecast	(6,346)	$ (6,346)	(6,346)	$ (6,346)
(c)	**Accumulated Deferred Income Taxes - Federal**				
	(1) To reflect RY20 forecast increase (includes flow through)	(69,262)			
	(2) Impact of Tax Law Change	57,303	$ (11,960)	(69,262)	$ (11,960)
(d)	**Accumulated Deferred Income Taxes - State**				
	(1) To reflect RY20 forecast increase (includes flow through)	(11,473)	$ (11,473)	(11,473)	$ (11,473)
(e)	**Working Capital**				
	(1) To reflect increase in Materials due to inflation	849		849	
	(2) To reflect increase in Prepayments due to inflation	(217)		(217)	
	To reflect increase in O&M Cash Allowance based on changes in expense levels & flow through				
	(3) impact of tax law change	(1,799)		(1,799)	
	(4) To reflect increase in Supply Cash Allowance	(2,216)	$ (3,383)	(2,216)	$ (3,383)
	Total Rate Base Adjustments		$ 344,313		$ 344,313

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2020
($000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Real Estate Taxes				
Real Property	$ 97,797	(6a)	$ 3,306	$ 101,103
Special Franchise	85,227	(6b)	2,881	88,108
Total Real Estate Taxes	183,024		6,187	189,211
Payroll Taxes	20,219	(6c)	385	20,603
Other	320	(6d)	7	327
Total Taxes Other Than Revenue and Income Taxes	$ 203,563		$ 6,578	$ 210,141

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 21 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Depreciation Expense (acct 403)	$ 231,655	(5)	$ 11,297	$ 242,952
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	$ 231,655		$ 11,297	$ 242,952

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 22 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Avg Rate Base Per Books	$ 5,288,874	$ 344,313	$ 5,633,187
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP)	28,147	-	28,147
Rate Base	5,260,727	344,313	5,605,040
Weighted Cost of LTD Debt	2.14%	-0.05%	2.14%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%
subtotal weighted cost of debt	2.14%	-0.05%	2.14%
Total Income Tax Interest Deduction	$ 112,580	$ 4,738	$ 119,948

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 23 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2020
($000's)

Description	Joint Proposal Rate Year Ending March 31, 2019	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Total O&M Expense	$ 1,114,616	$ (13,636)	$ 1,100,981
Remove major non-cash items included O&M expense :			
Bad Debt expense	(35,487)	(1,933)	(37,420)
Other (EE & 18A)	(213,173)	1,176	(211,996)
Subtotal	(248,660)	(756)	(249,416)
Add major cash items not included in O&M expense:			
Other	51,458	-	51,458
Subtotal	51,457.89	-	51,457.89
Total Adjustments	(197,202)	(756)	(197,958)
Adjusted O&M Expense	$ 917,414	$ (14,392)	$ 903,022
Departmental Cash Allowance - 1/8 (45 days)	114,677	(1,799)	112,878
Supply Cost Cash Allowance (3.64% x HY PP exp)	-	-	-

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 24 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending March 31, 2020
($000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	$ 4,649,266	-	$ 4,649,266	-	$ 4,649,266
(B)	ADD: Average interest-bearing CWIP	210,893	-	210,893	-	210,893
(C)	TOTAL EARNINGS BASE (A+B)	4,860,159	-	4,860,159	-	4,860,159
	Percent	100.00%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
	Long Term Debt	2,269,427		2,269,427		2,269,427
	Notes Payable	4,252		4,252		4,252
	Gas Supplier Refunds	329		329		329
	Customer Deposits	24,391		24,391		24,391
	Preferred Stock	23,666		23,666		23,666
	Common Equity (excludes merger GW; incl TCI adj)	2,700,302		2,700,302		2,700,302
	Avg. Allocated to Elec / Gas based on Earnings Base	5,022,368		5,022,368		5,022,368
(E)	Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F)	SUBTOTAL (D+E)	5,022,368		5,022,368		5,022,368
	LESS Average Investments in:					
	Detailed balance sheet accounts	(111,825)	-	(111,825)	-	(111,825)
	Accumulated Def Inc Tax Adjustment	253,619	-	253,619	-	253,619
	Goodwill					
(G)	Total Deductions	141,794		141,794		141,794
(H)	Capitalization Dedicated to Public Service (F-G)	4,880,574		4,880,574		4,880,574
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	$ (20,415)		$ (20,415)		$ (20,415)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Statement of Operating Income
For the Rate Year Ending March 31, 2021
($000's)

	Rate Year Ending March 31, 2020	Adj. #	Adjustments	Rate Year Ending March 31, 2021	Base Revenue Increase Required	Rate Year Ending March 31, 2021 with Base Revenue Requirement
Operating Revenues	$ 2,629,040	(1)	$ (28,467)	$ 2,600,573	$ 49,801	$ 2,650,374
Deductions						
Purchased Power Costs	593,116	(2)	(21,732)	571,384		571,384
Revenue Taxes	34,365	(3)	(349)	34,015	650	34,665
Total Deductions	627,481		(22,081)	605,400	650	606,050
Gross Margin	2,001,559		(6,386)	1,995,173	49,151	2,044,324
Total Operation & Maintenance Expenses	1,101,472	(4)	(1,452)	1,100,020	789	1,100,809
Amortization of Regulatory Deferrals	2,482		0	2,482	-	2,482
Depreciation, Amort. & Loss on Disposition	242,952	(5)	11,070	254,022	-	254,022
Taxes Other Than Revenue & Income Taxes	210,141	(6)	6,347	216,488	-	216,488
Total Operating Revenue Deductions	1,557,047		15,966	1,573,012	789	1,573,801
Operating Income Before Income Taxes	444,512		(22,352)	422,161	48,362	470,523
Income Taxes						
Federal Income Taxes	63,742	(7)	(5,495)	58,247	9,496	67,743
State Income Taxes	17,564	(8)	(1,820)	15,744	3,144	18,888
Total Income Taxes	81,306		(7,315)	73,991	12,640	86,631
Operating Income After Income Taxes	$ 363,206		$ (15,037)	$ 348,170	$ 35,722	$ 383,892
Rate Base	$ 5,605,040	(9)	$ 346,766	$ 5,951,806		$ 5,951,806
Rate of Return	6.48%			5.85%		6.45%

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 26 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of O&M Expenses
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	$ 19,815	(4a)	$ 416	$ 20,231
Contractors	84,169	(4a)	1,768	85,936
Donations	-		-	-
Employee Expenses	7,769	(4a)	163	7,933
Hardware	380	(4a)	8	388
Software	12,641	(4a)	265	12,906
Other	21,268	(4a)	447	21,714
Rents	20,492	(4b)	537	21,029
Service Company Rents	38,069	(4c)	1,571	39,640
Construction Reimbursement	424	(4a)	9	433
FAS 106	10,232	(4d)	(9,013)	1,219
FAS 112	376	(4a)	8	384
Health Care	34,851	(4a)	(88)	34,763
Group Life Insurance	1,426	(4a)	30	1,456
Other Benefits	229	(4a)	5	234
Pensions	8,140	(4e)	(8,140)	-
Thrift Plan	8,457	(4a)	205	8,662
Workers Comp	3,441	(4a)	72	3,513
Materials Outside Vendor	9,198	(4a)	193	9,391
Materials From Inventory	5,061	(4a)	106	5,168
Materials Stores Handling	1,179	(4a)	25	1,204
Postage	8,868	(4a)	186	9,054
Total Labor	276,327	(4f)	7,189	283,516
Transportation	22,597	(4g)	(103)	22,493
Energy Efficiency program	51,458		-	51,458
Clean Energy Fund	160,538	(4h)	(1,384)	159,154
Injuries and Damages	11,471	(4a)	241	11,712
Other Initiatives	65,761	(4i)	6,964	72,725
Productivity Adjustment	(10,009)	(4j)	(3,842)	(13,851)
Rate Case Expense	493	(4k)	-	493
Regulatory Assessment Fees	10,912	(4l)	229	11,141
Uncollectible Accounts	37,911	(4m)	(473)	37,438
SIR	27,321	(4n)	-	27,321
Vegetation Management	64,443	(4o)	1,353	65,796
Savings	(11,710)	(4a)/(4s)	(544)	(12,254)
Legal	2,895	(4a)	61	2,956
Accounting	2,057	(4a)	43	2,100
Conservation Load Management	1,929	(4a)	41	1,969
Storm Fund	23,000	(4p)	-	23,000
Economic Development Program	11,000	(4q)	-	11,000
Low Income Progr; Inventive Programs	56,594	(4r)	-	56,594
Incentive Programs	-		-	-
Sub Total - Departmental	$ 1,101,472		$ (1,452)	$ 1,100,020
TOTAL	$ 1,101,472		$ (1,452)	$ 1,100,020

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Federal Income Taxes
For the Rate Year Ending March 31, 2021
(Whole Dollars)

	Federal - Electric					
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 422,160,516		$ 422,160,516	$ 88,654,000		$ 88,654,000
Interest	(125,583,112)		(125,583,112)	(26,372,000)		(26,372,000)
New York State Income Taxes	(15,743,869)		(15,743,869)	(3,306,000)		(3,306,000)
Flow-through Cost of Removal	(43,846,193)		(43,846,193)	(9,208,000)		(9,208,000)
Flow-through Depreciation	42,649,194		42,649,194	8,956,000		8,956,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	67,000		67,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item	-		-	-	-	-
Tax Only Item - State Year 2000 - (Note 1)	(2,592,689)		(2,592,689)	(544,000)	-	(544,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	$ 277,362,140	$ -	$ 277,362,140	$ 58,247,000	$ -	$ 58,247,000
	21.00%					

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - State Income Taxes
For the Rate Year Ending March 31, 2021
(Whole Dollars)

	State - Electric					
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 422,160,516		$ 422,160,516	$ 27,440,000		$ 27,440,000
Interest	(125,583,112)		(125,583,112)	(8,163,000)		(8,163,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	1,720,181		1,720,181	112,000		112,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	21,000		21,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-	(1,073,442)	(1,073,442)
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(2,592,689)	(2,592,689)
Tax Only Item - 3	-		-	-		-
TOTAL SIT EXPENSE	$ 298,615,878	$ -	$ 298,615,878	$ 19,410,000	$ (3,666,131)	$ 15,743,869
	6.50%					

Note 1: $30.9M = $25.93M electric and $4.94M gas
Amortized over 10 years = $2.593M electric per year and $0.494M gas per year

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 28 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Net Utility Plant	$ 7,347,162	(9a)	$ 381,843	$ 7,729,005
Regulatory Assets / Liabilities	(92,126)	(9b)	(6,348)	(98,474)
Accumulated Deferred Income Taxes - Federal	(1,575,753)	(9c)	(14,870)	(1,590,623)
Accumulated Deferred Income Taxes - State	(231,994)	(9d)	(13,096)	(245,090)
Working Capital		(9e)		
Materials and supplies	41,280		867	42,147
Prepayments	(10,527)		(221)	(10,748)
O&M Cash Allowance (1/8 O&M exp)	112,878		50	112,928
Supply Cash Allowance (Dec 16 lead/lag study)	48,562		-	48,562
Change in Supply Cash Allowance (6.72 % x RY PP exp)	(6,294)		(1,459)	(7,754)
subtotal Working Capital	185,898		(763)	185,135
subtotal avg. before EBCAP adj.	5,633,187		346,766	5,979,953
Excess Earnings Base adjustment	(28,147)		-	(28,147)
Total Rate Base	$ 5,605,040		$ 346,766	$ 5,951,806

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 29 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Capital Structure
For the Rate Year Ending March 31, 2021
($000's)

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	$ 3,038,929	51.06%	4.13%	2.11%	2.11%
Customer Deposits	28,711	0.48%	0.35%	0.00%	0.00%
Preferred Stock	27,299	0.46%	3.66%	0.02%	0.03%
Common Equity	2,856,867	48.00%	9.00%	4.32%	5.85%
Total	$ 5,951,806	100.00%		6.45%	7.99%

==========

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	1.58%	1.58371%	Tax	$	32,289
GRT rate for Rev Req	1.30%		Revenue	$	2,474,913
Federal Income Tax rate	21.00%		GRT		1.3046598%
NYS Income Tax rate	6.50%	73.8650%			
Historic Year EBCAP	$ (20,415)				
General Inflation (from 12/31/16 to 3/31/19)	4.3476%				

==========

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 30 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Adjustments for the Rate Year Ending March 31, 2021
($000's)

		Adjustments		Amount	
Adj. 1	**Operating Revenues**	$ (28,467)	$ (28,467)	$ (28,467)	$ (28,467)
Adj. 2	**Purchased Power Costs**			-	
	To reflect RY21 sales forecast	(21,732)	$ (21,732)	(21,732)	$ (21,732)
Adj. 3	**Revenue Taxes**				
	To reflect RY21 sales forecast	(349)	$ (349)	(349)	$ (349)
Adj. 4	**Operating and Maintenance Expenses**				
(a)	**Various Expenses**				
	To reflect increase in expense due to inflation	3,597	$ 3,597	3,597	$ 3,597
(b)	**Rents**				
	To reflect specific RY21 forecast and general inflation	537	$ 537	537	$ 537
(c)	**Service Company Rents**				
	(1) To reflect RY21 forecast	2,164		2,164	
	(2) Flow through impact of Tax Law Change	(593)	$ 1,571	(593)	$ 1,571
(d)	**FAS 106**				
	To reflect forecast per actuarial report	(9,013)	$ (9,013)	(9,013)	$ (9,013)
(e)	**Pension**				
	To reflect forecast per actuarial report	(8,140)	$ (8,140)	(8,140)	$ (8,140)
(f)	**Labor Expense**				
	To reflect increase in salaries and wages by labor inflation factor	7,189	$ 7,189	7,189	$ 7,189
(g)	**Transportation**				
	To reflect specific RY21 forecast and general inflation	(103)	$ (103)	(103)	$ (103)
(h)	**Clean Energy Fund**				
	To reflect RY21 forecast	(1,384)	$ (1,384)	(1,384)	$ (1,384)
(i)	**Other Initiatives**				
	To reflect RY21 forecast and general inflation	6,964	$ 6,964	6,964	$ 6,964
(j)	**Productivity**				
	Flow through adjustment related to labor adjustment	(3,842)	$ (3,842)	(3,842)	$ (3,842)
(k)	**Rate Case Expense**				
		-	$ -	-	$ -
(l)	**Regulatory Assessment Fees**				
	To reflect specific RY21 forecast and general inflation	229	$ 229	229	$ 229
(m)	**Uncollectibles**				
	To reflect increase associated with change in revenue	(473)	$ (473)	(473)	$ (473)
(n)	**Site Investigation and Remediation**				
	To reflect RY 21 forecast	-	$ -	-	$ -
(o)	**Vegetation Management**				
	To reflect RY 21 forecast	1,353	$ 1,353	1,353	$ 1,353
(p)	**Major Non-Deferrable and Minor Storms**				
	To reflect RY 21 forecast	-	$ -	-	$ -
(q)	**Economic Development Fund**				
	To reflect RY 21 forecast	-	$ -	-	$ -
(r)	**Low Income Program**				
	To reflect RY 21 forecast	-	$ -	-	$ -
(s)	**Savings**				
	Flow through impact of Tax Law Change	63	$ 63	63	$ 63
	Total Operating & Maintenance Expense Adjustments		$ (1,452)		$ (1,452)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Adjustments for the Rate Year Ending March 31, 2021
($000's)

		Adjustments		Amount	
Adj. 5	**Depreciation Expense**				
(a)	To reflect RY21 forecast associated with Net Utility Plant	11,070	$ 11,070	11,070	$ 11,070
Adj. 6	**Taxes Other Than Revenue & Income Taxes**				
(a)	**Real Estate Taxes**				
	To reflect RY21 forecast	3,181	$ 3,181	3,181	$ 3,180.9
(b)	**Special Franchise**				
	To reflect RY21 forecast	2,772	$ 2,772	2,772	$ 2,772
(c)	**Payroll Taxes**				
	Flow through adjustment related to labor adjustment	387	$ 387	387	$ 387
(d)	**Other Taxes**				
	To reflect FY21 inflation	7	$ 7	7	$ 7
	Total Taxes Other Than Revenue & Income Taxes		$ 6,340		$ 6,340
Adj. 7	**Federal Income Taxes**				
(a)	Flow through calculation	(8,925)	-	(8,925)	
(b)	Impact of tax law change	3,430	$ (5,495)	3,430	$ (5,495)
Adj. 8	**State Income Taxes**				
(a)	Flow through calculation	(1,774)		(1,774)	
(b)	Flow through impact of tax law change	(46)	$ (1,820)	(46)	$ (1,820)
	Total Income Tax Adjustments		$ (7,315)		$ (7,315)
Adj. 9	**Rate Base**				
(a)	**Net Utility Plant**				
(1)	To reflect RY21 plant forecast	381,843	$ 381,843	381,843	$ 381,843
(b)	**Regulatory Assets / Liabilities**				
	To reflect RY21 forecast	(6,348)	$ (6,348)	(6,348)	$ (6,348)
(c)	**Accumulated Deferred Income Taxes - Federal**				
(1)	To reflect RY21 forecast increase (includes flow through)	(39,052)			
(2)	Impact of Tax Law Change	24,182	$ (14,870)	(39,052)	$ (14,870)
(d)	**Accumulated Deferred Income Taxes - State**				
(1)	To reflect RY21 forecast increase (includes flow through)	(13,096)	$ (13,096)	(13,096)	$ (13,096)
(e)	**Working Capital**				
(1)	To reflect increase in Materials due to inflation	867		867	
(2)	To reflect increase in Prepayments due to inflation	(221)		(221)	
(3)	To reflect increase in O&M Cash Allowance based on changes in expense levels and flow through impact of tax law change	50		50	
(4)	To reflect increase in Supply Cash Allowance	(1,459)	$ (763)	(1,459)	$ (763)
	Total Rate Base Adjustments		$ 346,766		$ 346,766

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2021
($000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Real Estate Taxes				
Real Property	$ 101,103	(6a)	$ 3,181	$ 104,284
Special Franchise	88,108	(6b)	2,772	90,880
Total Real Estate Taxes	189,211		5,953	195,164
Payroll Taxes	20,603	(6c)	387	20,991
Other	327		7	334
Total Taxes Other Than Revenue and Income Taxes	$ 210,141		$ 6,347	$ 216,488

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 33 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Depreciation Expense (acct 403)	$ 242,952	(5)	$ 11,070	$ 254,023
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	$ 242,952		$ 11,070	$ 254,023

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 34 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Avg Rate Base Per Books	$ 5,633,187	$ 346,766	$ 5,979,953
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP)	28,147	-	28,147
Rate Base	5,605,040	346,766	5,951,806
Weighted Cost of LTD Debt	2.11%	-0.08%	2.11%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%
subtotal weighted cost of debt	2.11%	-0.08%	2.11%
Total Income Tax Interest Deduction	$ 118,266	$ 2,833	$ 125,583

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 35 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2021
($000's)

Description	Joint Proposal Rate Year Ending March 31, 2020	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Total O&M Expense	$ 1,100,981	$ (961)	$ 1,100,020
Remove major non-cash items included O&M expense :			
Bad Debt expense	(37,420)	(18)	(37,438)
Other (EE & 18A)	(211,996)	1,384	(210,612)
Subtotal	(249,416)	1,366	(248,050)
Add major cash items not included in O&M expense:			
Other	51,458	-	51,458
Subtotal	51,457.89	-	51,457.89
Total Adjustments	(197,958)	1,366	(196,592)
Adjusted O&M Expense	$ 903,022	$ 405	$ 903,428
Departmental Cash Allowance - 1/8 (45 days)	112,878	51	112,928
Supply Cost Cash Allowance (3.64% x HY PP exp)	-	-	-

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 1
Page 36 of 37

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending March 31, 2021
($000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	$ 4,649,266	-	$ 4,649,266	-	$ 4,649,266
(B)	ADD: Average interest-bearing CWIP	210,893	-	210,893	-	210,893
(C)	TOTAL EARNINGS BASE (A+B)	4,860,159	-	4,860,159	-	4,860,159
	Percent	100.00%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
	Long Term Debt	2,269,427		2,269,427		2,269,427
	Notes Payable	4,252		4,252		4,252
	Gas Supplier Refunds	329		329		329
	Customer Deposits	24,391		24,391		24,391
	Preferred Stock	23,666		23,666		23,666
	Common Equity (excludes merger GW; incl TCI adj)	2,700,302 [1]		2,700,302		2,700,302
	Avg. Allocated to Elec / Gas based on Earnings Base	5,022,368		5,022,368		5,022,368
(E)	Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F)	SUBTOTAL (D+E)	5,022,368		5,022,368		5,022,368
	LESS Average Investments in:					
	Detailed balance sheet accounts	(111,825)	-	(111,825)	-	(111,825)
	Accumulated Def Inc Tax Adjustment	253,619	-	253,619	-	253,619
	Goodwill					
(G)	Total Deductions	141,794		141,794		141,794
(H)	Capitalization Dedicated to Public Service (F-G)	4,880,574		4,880,574		4,880,574
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	$ (20,415)		$ (20,415)		$ (20,415)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Statement of Operating Income
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Adjustments	Settlement Adjustments	Joint Proposal Rate Year Ending March 31, 2019	Base Revenue Increase Required	Rate Year Ending March 31, 2019 with Base Revenue Requirement
Operating Revenues	$ 565,398	(1)	$ (10,458)	$ -	$ 554,939	$ 45,524	$ 600,463
Deductions							
Purchased Gas Costs	178,174		-	-	178,174		178,174
Revenue Taxes	7,983		-	-	7,983	655	8,638
Total Deductions	186,156		-	-	186,156	655	186,811
Gross Margin	379,241		(10,458)	-	368,783	44,869	413,652
Total Operation & Maintenance Expenses	225,680	(2)	(19,267)	7,655	214,068	1,094	215,162
Amortization of Regulatory Deferrals	-		-	-	-	-	-
Depreciation, Amort. & Loss on Disposition	52,660	(3)	(127)	40	52,572	-	52,572
Taxes Other Than Revenue & Income Taxes	47,494	(4)	(4)	4	47,494	-	47,494
Total Operating Revenue Deductions	325,833		(19,397)	7,699	314,135	1,094	315,229
Operating Income Before Income Taxes	53,408		8,939	(7,699)	54,648	43,775	98,423
Income Taxes							
Federal Income Taxes	8,725	(5)	3,092	(6,382)	5,435	8,595	14,030
State Income Taxes	821	(6)	1,331	(1,040)	1,112	2,845	3,957
Total Income Taxes	9,546		4,423	(7,422)	6,547	11,440	17,987
Operating Income After Income Taxes	$ 43,862		$ 4,516	$ (277)	48,101	$ 32,334	$ 80,436
Rate Base	$ 1,222,037	(7)	$ (11,683)	$ 21,427	$ 1,231,782		$ 1,231,782
Rate of Return	3.59%				3.90%		6.53%

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 1 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of O&M Expenses
For the Rate Year Ending March 31, 2019
h

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	$ 6,325	(2a)	$ (11)	$ 6,314	$ (0)	$ 6,314
Contractors	22,527		-	22,527	-	22,527
Donations	-		-	-	-	-
Employee Expenses	1,425		-	1,425	-	1,425
Hardware	60		-	60	-	60
Software	2,429		-	2,429	-	2,429
Other	5,755		-	5,755	-	5,755
Rents	992		-	992	-	992
Service Company Rents	9,172	(2b)	(2,215)	6,957	1,295	8,251
Construction Reimbursement	195		-	195	-	195
FAS 106	3,191	(2c)	(13)	3,178	-	3,178
FAS 112	70	(2d)	(97)	(27)	97	70
Health Care	6,618	(2e)	(3)	6,615	(27)	6,588
Group Life Insurance	268	(2f)	(10)	258	9	267
Other Benefits	56		-	56	-	56
Pensions	6,204	(2g)	(14)	6,190	-	6,190
Thrift Plan	1,582	(2h)	(31)	1,551	24	1,575
Workers Comp	649	(2i)	(4)	645	-	645
Materials Outside Vendor	3,164		-	3,164	-	3,164
Materials From Inventory	1,332	(2j)	(84)	1,248	21	1,269
Materials Stores Handling	502		-	502	-	502
Postage	3,178		-	3,178	-	3,178
Total Labor	58,062	(2k)	(576)	57,486	125	57,611
Transportation	4,492	(2l)	(113)	4,378	113	4,491
Energy Efficiency program	10,458	(2m)	91	10,549	-	10,549
Clean Energy Fund	4,182		-	4,182	-	4,182
Injuries and Damages	2,362		-	2,362	-	2,362
Other Initiatives	32,233	(2n)	(15,147)	17,086	7,045	24,131
Productivity Adjustment	(1,354)	(2o)	(662)	(2,016)	667	(1,349)
Rate Case Expense	396		-	396	-	396
Regulatory Assessment Fees	3,875		-	3,875	-	3,875
Uncollectible Accounts	13,492	(2p)	(251)	13,240	-	13,240
Site Investigation & Remediation Expenses	4,821		-	4,821	-	4,821
Vegetation Management	-		-	-	-	-
Savings	(738)	(2s)	-	(738)	(1,604)	(2,342)
Legal	418		-	418	-	418
Accounting	381		-	381	-	381
Conservation Load Management	-		-	-	-	-
Storm Fund	-		-	-	-	-
Economic Development Plan	1,000		-	1,000	-	1,000
Low Income Program	14,905		-	14,905	-	14,905
Incentive Programs	1,000	(2q)	(618)	382	382	764
Natural Gas Vehicles	-	(2r)	492	492	(492)	-
Sub Total - Departmental	$ 225,680		$ (19,267)	$ 206,413	$ 7,655	$ 214,068
TOTAL	$ 225,680		$ (19,267)	$ 206,413	$ 7,655	$ 214,068

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Federal Income Taxes
For the Rate Year Ending March 31, 2019
(Whole Dollars)

	Federal - Gas					
	as Adj. Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 54,648,027		$ 54,648,027	$ 11,476,000		$ 11,476,000
Interest	(26,976,035)		(26,976,035)	(5,665,000)		(5,665,000)
New York State Income Taxes	(1,112,293)		(1,112,293)	(234,000)		(234,000)
Flow-through Cost of Removal	(8,980,546)		(8,980,546)	(1,886,000)		(1,886,000)
Flow-through Depreciation	8,735,377		8,735,377	1,834,000		1,834,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	14,000		14,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	(493,845)		(493,845)	(104,000)		(104,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	$ 25,885,879	$ -	$ 25,885,879	$ 5,435,000	$ -	$ 5,435,000
	21.00%					

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - State Income Taxes
For the Rate Year Ending March 31, 2019
(Whole Dollars)

	State - Gas					
	as Adj. State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 54,648,027		$ 54,648,027	$ 3,552,000		$ 3,552,000
Interest	(26,976,035)		(26,976,035)	(1,753,000)		(1,753,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	352,326		352,326	23,000		23,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	4,000		4,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-	(219,862)	(219,862)
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(493,845)	(493,845)
Tax Only Item - 3	-		-	-		-
TOTAL SIT EXPENSE	$ 28,089,512	$ -	$ 28,089,512	$ 1,826,000	$ (713,707)	$ 1,112,293
	6.50%					

Note 1: $30.9M = $25.93M electric and $4.94M gas
Amortized over 10 years = $2.593M electric per year and $0.494M gas per year

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 3 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Rate Base
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Net Utility Plant	$ 1,629,903	(7a)	$ (12,356)	$ 1,617,548	$ 5,092	$ 1,622,640
Regulatory Assets / Liabilities	2,035	(7b)	58	2,093	-	2,093
Accumulated Deferred Income Taxes - Federal	(416,097)	(7c)	1,855	(414,243)	12,894	(401,348)
Accumulated Deferred Income Taxes - State	(57,066)	(7d)	(108)	(57,173)	2,421	(54,752)
Working Capital		(7e)				
Materials and supplies	29,467		-	29,467	-	29,467
Prepayments	(2,055)		-	(2,055)	-	(2,055)
O&M Cash Allowance (1/8 O&M exp)	24,693		(1,132)	23,561	1,020	24,581
Supply Cash Allowance (Dec 16 lead/lag study)	16,993		-	16,993	-	16,993
Change in Supply Cash Allowance (13.31% x RY Gas exp)	6,265		-	6,265	-	6,265
subtotal Working Capital	75,363		(1,132)	74,231	1,020	75,251
subtotal avg. before EBCAP adj.	1,234,137		(11,683)	1,222,455	21,427	1,243,882
Excess Earnings Base adjustment	(12,100)		-	(12,100)	-	(12,100)
Total Rate Base	$ 1,222,037		$ (11,683)	$ 1,210,355	$ 21,427	$ 1,231,782

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 4 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case No 17-E-0238 & 17-G-0239
Gas - Capital Structure
For the Rate Year Ending March 31, 2019

Settlement's Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	$ 628,935	51.06%	4.29%	2.19%	2.19%
Customer Deposits	5,942	0.48%	0.35%	0.00%	0.00%
Preferred Stock	5,650	0.46%	3.66%	0.02%	0.03%
Common Equity	591,256	48.00%	9.00%	4.32%	5.85%
Total	$ 1,231,782	100.00%		6.53%	8.07%

==========

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req				
Bad Debt % for Rev Req	2.40%	2.40443%	Tax	$ 7,983
GRT rate for Rev Req	1.44%		Revenue	$ 554,939
Federal Income Tax rate	21.00%		GRT	1.4384997%
NYS Income Tax rate	6.50%	73.8650%		
Historic Year EBCAP	$ (4,893)			
General Inflation (from 12/31/16 to 3/31/19)	4.3476%			

==========

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 5 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Adjustments for the Rate Year Ending March 31, 2019
($000's)

	Staff Direct Amount		Settlement Adjustments Amount		Joint Proposal Amount	
Adj. 1 Operating Revenues	$ (10,458)	$ (10,458)	$ -	$ -	$ (10,458)	$ (10,458)
(a) To move energy efficiency costs into base rates						
Adj. 2 Operating and Maintenance Expenses						
(a) Consultant Expense						
To normalize executive search firm costs	(11)	$ (11)	(0)	$ (0)	(11)	(11)
(b) **Service Company Rates**						
(1) To impute NMPC rate of return / To impute Company's 9.0% ROE	(238)		86		(152)	
(2) To impute a slippage adjustment / To impute Company's IS Forecast Spend Reduction	(1,471)		980		(491)	
(3) To disallow enhanced bill design initative	(6)		-		(6)	
(4) To remove AMI from rate year	-		-		-	
(5) To remove distribution projects from rate year	(500)		500		-	
(6) To reflect the proper forecast amount of INVP 3882	-		(39)		(39)	
(7) Flow through impact of Tax Law Change	-	$ (2,215)	(231)	$ 1,295	(231)	$ (920)
(c) **FAS 106 - OPEB**						
(1) To reflect the proper capitalization rate for fringe benefits	(13)	$ (13)	-	$ -	(13)	$ (13)
(d) **FAS 112**						
To reflect the proper capitalization rate for fringe benefits	(97)	$ (97)	97	$ 97	(0)	(0)
(e) **Health Care**						
To reflect the proper capitalization rate for fringe benefits	(3)	$ (3)	(27)	$ (27)	(30)	$ (30)
(f) **Group Life Insurance**						
To reflect the proper capitalization rate for fringe benefits	(10)	$ (10)	9	$ 9	(1)	$ (1)
(g) **FAS 87 - Pension**						
(1) To reflect the proper capitalization rate for fringe benefits	(14)	$ (14)	-	$ -	(14)	$ (14)
			-			
(h) **Thrift Plan**						
(1) To remove inflation from the Local 97 and 97C component of thrift plan	(24)		24		-	
(2) To reflect the proper capitalization rate for fringe benefits	(7)	$ (31)	-	$ 24	(7)	$ (7)
(i) **Workers Comp**						
To reflect the proper capitalization rate for fringe benefits	(4)	$ (4)	-	$ -	(4)	$ (4)
(j) **Materials- From Inventory**						
To adjust Materials from Inventory to normalize vendor charges	(84)	$ (84)	21	$ 21	(63)	$ (63)
(k) **Labor Expense**						
(1) To remove variable pay from miscellaneous pay	(349)		-		(349)	
(2) To remove variable pay from sales commission employees	(35)		-		(35)	
(3) To normalize miscellaneous pay	(18)		-		(18)	
(4) To limit management wage increase to 3% per year	(174)	$ (576)	125	$ 125	(49)	$ (451)
(l) **Transportation**						
(1) To remove the Service Company backbilling pertaining to CY15, from the HTY	(48)		48		(0)	
(2) To reflect Staff's auction proceeds	(65)	$ (113)	65	$ 113	-	(0)
(m) **Energy Efficiency**						
To update to Staff's forecast energy efficiency	91	$ 91	-	$ -	91	$ 91
(n) **Other Initiatives**						
(1) To remove 4 FTE's from GIOP Increased OPEX Workload	(579)		133		(447)	
(2) To remove 32 FTE's from GIOP Opex related to Capex	(813)		297		(516)	
(3) To remove 1 FTE from SSP Energy Affordability program	(32)		-		(32)	
(4) To reflect the decreased salary for entry-level positions	(48)		-		(48)	
(5) To reflect slippage in hiring incremental FTE's	(785)		(85)		(870)	
(6) To adjust productivity from 1% to 1.25%	(10)		10		-	
(7) To impute an IS slippage adjustment for RTB	(620)		373		(247)	
(8) To reduce OPEX and RTB related to AMI	-		-		-	
(9) To reduce OPEX and RTB related to distribution projects	-		-		-	
(10) To disallow enhanced bill initiative	(147)		-		(147)	
(11) To reduce OPEX and RTB related to enhanced bill design initiative	(19)		-		(19)	
(12) To disallow outreach and education budget	(136)		-		(136)	
(13) To reduce future management audit costs due to amortization	(51)		-		(51)	
(14) To impute slippage on GBE and Grid Mod OPEX	(3,535)		3,025		(510)	
(15) To impute a reduction to IS OPEX based on a % of allowed IS Capex	(681)		173		(508)	
(16) Staff adjusment to Gas Transmission Engineering-IMP/IVP Inspections (PHMSA)	(660)		660		-	
(17) Staff adjustment to I & R- Increase Pipeline Survey	(1,000)		500		(500)	
(18) Staff adjustment to CMS-Ipads	(775)		-		(775)	
(19) Staff adjustment to Elevated Pressure Metering Program Maintenance	(47)		-		(47)	

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Adjustments for the Rate Year Ending March 31, 2019
($000's)

	Staff Direct Amount		Settlement Adjustments Amount		Joint Proposal Amount	
(20) Staff adjustment to Gas Operations- Tools	(100)		-		(100)	
(21) To reflect funding of Damage Prevention-Wrapping Company Vehicles with NRA dollars	(30)		-		(30)	
(22) To reflect funding of Damage Prevention-GPS location of Tranmission Pipeline with NRA dollars	(1,300)		-		(1,300)	
(23) To reflect funding of Gas Pipeline and Safety Compliance-Train the Trainer with NRA dollars	(74)		-		(74)	
(24) To reflect funding of Gas Pipeline and Safety Compliance-Mobile Hands on Training with NRA dollars	(500)		108		(392)	
(25) To reflect funding of Gas Pipeline and Safety Compliance-Residential Methane Detector Pilot with NRA doll	(150)		-		(150)	
(26) Staff adjustment to remove Geothermal project	(1,200)		-		(1,200)	
(27) Staff adjustment to CMS-Gas Inside Service Inspections	(1,855)		1,855		-	
(28) To add 3rd party transactions	0		414		414	
(29) Adjust inflation on GIOP Opex	-		(482)		(482)	
(30) Adjust inflation on IS	-	$ (15,147)	65	$ 7,045	65	$ (8,102)
(o) **Productivity Adjustment**						
(1) Flow through adjustments tracking labor and payroll tax adjustments	7		(2)		5	
(2) To adjust productivity from 1% to 1.5%	(668)	$ (662)	668	$ 667	-	$ 5
(p) **Uncollectible**						
Flow through adjustment related to revenues	(251)	$ (251)	-	$ -	(251)	$ (251)
(q) **Incentive Programs**						
Staff adjustment to Oil-to-Gas Conversion Rebate Program	(618)	$ (618)	382	$ 382	(236)	$ (236)
(r) **Natural Gas Vehicles**						
To reflect Staff adjustment for Natural Gas Vehicles	492	492	$ (492)	$ (492)	-	$ -
(s) **Savings**						
(1) Additional Savings	-		(1,957)		(1,957)	
(2) Flow through impact of Tax Law Change	-	-	353	(1,604)	353	(1,604)
Total O&M Adjustments		$ (19,267)		$ 7,655		$ (11,612)
Adj. 3 **Depreciation Expense**						
Tracking adjustment to net utility plant	(127)	$ (127)	40	$ 40	(87)	$ (87)
Adj. 4 **Taxes Other Than Revenue & Income Taxes**						
Payroll Taxes						
Tracking labor adjustments	(4)	$ (4)	4	$ 4	1	$ 1
Total Taxes Other Than Revenue & Income Taxes		$ (131)		$ 44		$ (87)
Adj . 5 **Federal Income Tax**						
Flow through adjustment related to State Year 2000 adjustment	251	$ 251	-	$ -	251	$ 251
Adj. 6 **State income Tax**						
To adjust tax only item - state year 2000	718	$ 718	(494)	$ (494)	224	$ 224
Total Income Tax Adjustment		$ 969		$ (494)		$ 475
Adj. 7 **Rate Base**						
(a) **Net Utility Plant**						
To reflect Staff's capital budget modifications	(10,749)		5,092		(5,657)	
To reduce capitalized pension and OPEB costs	(1,606)	$ (12,356)	-	$ 5,092	(1,606)	$ (7,263)
(b) **Regulatory Assets and Liabilities**						
To reflect amortization of future management audit costs over 5 years	58	$ 58	-	$ -	58	$ 58
(c) **Accumulated Deferred Income Taxes - Federal**						
(1) To adjust ADFIT to reflect Staff's capitalized pension and OPEB Costs	353		(353)		-	
(2) To adjust ADFIT tracking OEGWs plant in service adjustments at a rate of 25%, per company, allocated between ADFIT and ADSIT	1,522		(242)		1,280	
(3) To adjust ADFIT to reflect amortization of future management audit costs over 5 years	(20)		-		(20)	
(4) Flow-through adjustment related to State Year 2000 adjustment	-		(86)		(86)	
(5) Impact of Tax Law Change	-	$ 1,855	13,576	$ 12,894	13,576	$ 14,749
(d) **Accumulated Deferred Income Taxes - State**						
(1) To adjust ADSIT to reflect Staff's capitalized pension and OPEB Costs	48		(48)		-	
(2) To adjust ADSIT tracking OEGWs plant in service adjustments at a rate of 25%, per company, allocated between ADFIT and ADSIT	208		(104)		104	
(3) Adjusting Tax Only Item-State Year 2000	(359)		2,573		2,214	
(4) To adjust ADFIT to reflect amortization of future management audit costs over 5 years	(4)	$ (108)	-	$ 2,421	(4)	$ 2,314
(e) **Working Capital**						
To adjust working capital	(1,132)	$ (1,132)	1,020	$ 1,020	(2,152)	$ (112)
Total Rate Base Adjustments		$ (11,683)		$ 21,427		$ 9,745

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2019
($000's)

Taxes Other Than Revenue and Income Taxes	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Real Estate Taxes						
Real Property	$ 22,966		$ -	$ 22,966	$ -	$ 22,966
Special Franchise	20,106		-	20,106	-	20,106
Total Real Estate Taxes	43,072		-	43,072	-	43,072
Payroll Taxes	4,310	(4)	(4)	4,306	4	4,310
Other	112		-	112	-	112
Total Taxes Other Than Revenue and Income Taxes	$ 47,494		$ (4)	$ 47,490	$ 4	$ 47,494

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 8 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Depreciation Expense (acct 403)	$ 52,660	(3)	$ (127)	$ 52,532	$ 40	$ 52,572
Amortization Expense (acct 404-405)	-		-	-	-	-
Accretion Expense (acct 411.10)	-		-	-	-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-	-	-
Total Depreciation & Amortization Expense	52,660		$ (127)	$ 52,532	$ 40	$ 52,572

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 9 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2019
($000's)

	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Avg Rate Base Per Books	$ 1,234,137	$ (11,683)	$ 1,222,455	$ 21,427	$ 1,243,882
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-	-	-
Less: Rate Base moved to GAC	-	-	-	-	-
Less: Excess Earnings Adj (EBCAP)	12,100	-	12,100	-	12,100
Rate Base	1,222,037	(11,683)	1,210,355	21,427	1,231,782
Weighted Cost of LTD Debt	2.19%	0.00%	2.19%	0.00%	2.19%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%	0.00%	0.00%
subtotal weighted cost of debt	2.19%	0.00%	2.19%	0.00%	2.19%
Total Income Tax Interest Deduction	$ 26,763	$ (256)	$ 26,507	$ 469	$ 26,976

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 10 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2019
($000's)

Description	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Total O&M Expense	$ 225,680	$ (19,267)	$ 206,413	$ 7,655	$ 214,068
Remove major non-cash items included O&M expense :					
Bad Debt expense	(13,492)	(251)	(13,743)	503	(13,240)
Other (EE & 18A)	(25,190)	10,458	(14,731)	-	(14,731)
Subtotal	(38,682)	10,207	(28,475)	503	(27,972)
Add major cash items not included in O&M expense:					
Other	10,549	-	10,549	-	10,549
Subtotal	10,549	-	10,549	-	10,549
Total Adjustments	(28,132)	10,207	(17,925)	503	(17,422)
Adjusted O&M Expense	$ 197,547	$ (9,060)	$ 188,488	$ 8,158	$ 196,645
Departmental Cash Allowance - 1/8 (45 days)	24,693	(1,132)	23,561	1,020	24,581
Supply Cost Cash Allowance (3.64% x HY Gas exp)	-	-	-	-	-

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 11 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending March 31, 2019
($000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	$ 1,076,115	-	$ 1,076,115	-	$ 1,076,115
(B)	ADD: Average interest-bearing CWIP	15,851	-	15,851	-	15,851
(C)	TOTAL EARNINGS BASE (A+B)	1,091,966	-	1,091,966	-	1,091,966
	Percent	18.35%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
	Long Term Debt	510,030		510,030		510,030
	Notes Payable	956		956		956
	Gas Supplier Refunds	74		74		74
	Customer Deposits	5,482		5,482		5,482
	Preferred Stock	5,319		5,319		5,319
	Common Equity (excludes merger GW; incl TCI adj)	606,865		606,865		606,865
	Avg. Allocated to Elec / Gas based on Earnings Base	1,128,726		1,128,726		1,128,726
(E)	Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F)	SUBTOTAL (D+E)	1,128,726		1,128,726		1,128,726
	LESS Average Investments in:					
	Detailed balance sheet accounts	(25,132)	-	(25,132)	-	(25,132)
	Accumulated Def Inc Tax Adjustment	56,998	-	56,998	-	56,998
	Goodwill					
(G)	Total Deductions	31,867		31,867		31,867
(H)	Capitalization Dedicated to Public Service (F-G)	1,096,859		1,096,859		1,096,859
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	$ (4,893)		$ (4,893)		$ (4,893)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Statement of Operating Income
For the Rate Year Ending March 31, 2020
($000's)

	Rate Year Ending March 31, 2019	Adj. #	Adjustments	Rate Year Ending March 31, 2020	Base Revenue Increase Required	Rate Year Ending March 31, 2020 with Base Revenue Requirement
Operating Revenues	$ 600,463	(1)	$ (471)	$ 599,992	$ 5,344	$ 605,336
Deductions						
Purchased Gas Costs	178,174		(3,600)	174,574		174,574
Revenue Taxes	8,638		33	8,671	77	8,748
Total Deductions	186,811		(3,567)	183,244	77	183,321
Gross Margin	787,275		3,096	416,747	5,267	422,014
Total Operation & Maintenance Expenses	215,162	(2)	(3,390)	211,772	128	211,900
Amortization of Regulatory Deferrals	-		-	-	-	-
Depreciation, Amort. & Loss on Disposition	52,572	(3)	2,591	55,164	-	55,164
Taxes Other Than Revenue & Income Taxes	47,494	(4)	2,323	49,818	-	49,818
Total Operating Revenue Deductions	315,229		1,524	316,753	128	316,881
Operating Income Before Income Taxes	1,102,503		1,571	99,994	5,139	105,133
Income Taxes						
Federal Income Taxes	14,030	(5)	(3,045)	14,077	1,009	15,086
State Income Taxes	3,957	(6)	(1,316)	3,972	334	4,306
Total Income Taxes	17,987		(4,361)	18,049	1,343	19,392
Operating Income After Income Taxes	$ 1,120,491		$ 5,932	$ 81,945	$ 3,796	$ 85,741
Rate Base	$ 1,231,782	(7)	$ 91,375	$ 1,323,158		$ 1,323,158
Rate of Return	6.53%			6.19%		6.48%

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 13 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of O&M Expenses
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	$ 6,314	(2a)	$ 133	$ 6,446
Contractors	22,527	(2a)	473	23,000
Donations	-		-	-
Employee Expenses	1,425	(2a)	30	1,455
Hardware	60	(2a)	1	61
Software	2,429	(2a)	51	2,480
Other	5,755	(2a)	121	5,876
Rents	992	(2b)	41	1,034
Service Company Rents	8,251	(2c)	2,131	10,382
Construction Reimbursement	195	(2a)	4	200
FAS 106	3,178	(2d)	(1,229)	1,949
FAS 112	70	(2a)	2	72
Health Care	6,588	(2a)	72	6,659
Group Life Insurance	267	(2a)	6	273
Other Benefits	56	(2a)	1	57
Pensions	6,190	(2e)	(4,640)	1,551
Thrift Plan	1,575	(2a)	38	1,613
Workers Comp	645	(2a)	14	659
Materials Outside Vendor	3,164	(2a)	66	3,230
Materials From Inventory	1,269	(2a)	27	1,295
Materials Stores Handling	502	(2a)	11	512
Postage	3,178	(2a)	67	3,245
Total Labor	57,611	(2f)	1,522	59,134
Transportation	4,491	(2g)	11	4,502
Energy Efficiency program	10,549		-	10,549
Clean Energy Fund	4,182	(2h)	44	4,226
Injuries and Damages	2,362	(2a)	50	2,412
Other Initiatives	24,131	(2i)	(1,589)	22,542
Productivity Adjustment	(1,349)	(2j)	(792)	(2,141)
Rate Case Expense	396	(2k)	-	396
Regulatory Assessment Fees	3,875	(2l)	81	3,956
Uncollectible Accounts	14,334	(2m)	(18)	14,317
Site Investigation & Remediation Expenses	4,821	(2n)	-	4,821
Vegetation Management	-		-	-
Savings	(2,342)	(2a)/((2s)	(134)	(2,476)
Legal	418	(2a)	9	427
Accounting	381	(2a)	8	389
Conservation Load Management	-	(2a)	-	-
Storm Fund	-		-	-
Economic Development Plan	1,000	(2o)	-	1,000
Low Income Program	14,905	(2p)	-	14,905
Incentive Programs	764	(2q)	-	764
Natural Gas Vehicles	-	(2r)	-	-
Sub Total - Departmental	$ 215,162		$ (3,390)	211,772
TOTAL	$ 215,162		$ (3,390)	211,772

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Federal Income Taxes
For the Rate Year Ending March 31, 2020
(Whole Dollars)

	Federal - Gas					
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 99,994,173		$ 99,994,173	$ 20,999,000		$ 20,999,000
Interest	(28,315,574)		(28,315,574)	(5,946,000)		(5,946,000)
New York State Income Taxes	(3,972,293)		(3,972,293)	(834,000)		(834,000)
Flow-through Cost of Removal	(8,980,546)		(8,980,546)	(1,886,000)		(1,886,000)
Flow-through Depreciation	8,735,377		8,735,377	1,834,000		1,834,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	14,000		14,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(104,000)	(104,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	$ 67,526,330	$ -	$ 67,526,330	$ 14,181,000	$ (104,000)	$ 14,077,000
	21.00%					

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - State Income Taxes
For the Rate Year Ending March 31, 2020
(Whole Dollars)

	State - Gas					
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 99,994,173		$ 99,994,173	$ 6,500,000		$ 6,500,000
Interest	(28,315,574)		(28,315,574)	(1,841,000)		(1,841,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	352,326		352,326	23,000		23,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	4,000		4,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-	(219,862)	(219,862)
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(493,845)	(493,845)
Tax Only Item - 3	-		-	-		-
TOTAL SIT EXPENSE	$ 72,096,118	$ -	$ 72,096,118	$ 4,686,000	$ (713,707)	$ 3,972,293
	6.50%					

Note 1: $30.9M = $25.93M electric and $4.94M gas
Amortized over 10 years = $2.593M electric per year and $0.494M gas per year

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 15 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Rate Base
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Net Utility Plant	$ 1,622,640	(7a)	$ 107,443	$ 1,730,082
Regulatory Assets / Liabilities	2,092.600	(7b)	(912)	1,180.800
Accumulated Deferred Income Taxes - Federal	(401,348)	(7c)	(9,396)	(410,744)
Accumulated Deferred Income Taxes - State	(54,752)	(7d)	(5,430)	(60,182)
Working Capital		(7e)		
Materials and supplies	29,467		619	30,086
Prepayments	(2,055)		(43)	(2,098)
O&M Cash Allowance (1/8 O&M exp)	24,581		(427)	24,154
Supply Cash Allowance (Dec 16 lead/lag study)	16,993		-	16,993
Change in Supply Cash Allowance (7.76% x RY Gas exp)	6,265		(479)	5,785
subtotal Working Capital	75,251		(330)	74,920
subtotal avg. before EBCAP adj.	1,243,882		91,375	1,335,257
Excess Earnings Base adjustment	(12,100)		-	(12,100)
Total Rate Base	$ 1,231,782		$ 91,375	$ 1,323,158

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 16 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case No. 17-G-0239
Gas - Capital Structure
For the Rate Year Ending March 31, 2020

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	$ 675,590	51.06%	4.19%	2.14%	2.14%
Customer Deposits	6,383	0.48%	0.35%	0.00%	0.00%
Preferred Stock	6,069	0.46%	3.66%	0.02%	0.03%
Common Equity	635,116	48.00%	9.00%	4.32%	5.85%
Total	$ 1,323,158	100.00%		6.48%	8.02%

==========

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	2.40%	2.40443%		Tax	$ 8,671
GRT rate for Rev Req	1.45%			Revenue	$ 599,992
Federal Income Tax rate	21.00%			GRT	1.4451359%
NYS Income Tax rate	6.50%	73.8650%			
Historic Year EBCAP	$ (4,893)				
General Inflation (from 12/31/16 to 3/31/19)	4.3476%				

==========

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 17 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Adjustments for the Rate Year Ending March 31, 2020
($000's)

		Adjustments		Amount	
Adj. 1	**Operating Revenues**	$ (471)	$ (471)	$ (471)	$ (471)
(a)	To relect RY20 sales forecast				
(b)	**Purchased Gas Costs**	(3,600)	$ (3,600)	(3,600)	$ (3,600)
(c)	**Revenue Taxes**	33	$ 33	33	$ 33
Adj. 2	**Operating and Maintenance Expenses**				
(a)	To reflect increase in expense due to inflation	1,024	$ 1,024	1,024	1,024
(b)	**Rents**				
	To reflect specific RY20 forecast and general inflation	41	$ 41	41	$ 41
(c)	**Service Company Rates**				
	(1) To reflect RY20 forecast	2,355		2,355	
	(2) Flow through impact of Tax Law Change	(224)	$ 2,131	(224)	$ 2,131
(d)	**FAS 106 - OPEB**				
	Actuarial Reports for RY1-3	(1,229)	$ (1,229)	(1,229)	$ (1,229)
(e)	**FAS 87 - Pension**				
	Actuarial Reports for RY1-3	(4,640)	$ (4,640)	(4,640)	$ (4,640)
(f)	**Labor Expense**				
	To reflect increase in salaries and wages by labor inflation factor	1,522	$ 1,522	1,522	$ 1,522
(g)	**Transportation**				
	To reflect RY20 forecast and general inflation	11	$ 11	11	11
(h)	**Clean Energy Fund**				
	To reflect RY20 forecast	44	$ 44	44	$ 44
(i)	**Other Initiatives**				
	To include 2 FTE's for GIOP Opex related to Capex	45		45	
	To reflect RY20 forecast and general inflation	(1,634)	$ (1,589)	(1,634)	$ (1,589)
(j)	**Productivity Adjustment**				
	Flow through adjustment related to labor adjustment	(792)	$ (792)	(792)	$ (792)
(k)	**Rate Case Expense**	-	$ -	-	$ -
(l)	**Regulatory Assessment Fees**				
	To reflect RY20 forecast and general inflation	81	$ 81	81	$ 81
(m)	**Uncollectible**				
	To reflect increase associated with change in revenue	(18)	$ (18)	(18)	$ (18)
(n)	**Site Investigation and Remediation**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(o)	**Economic Development Plan**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(p)	**Low Income Program**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(q)	**Incentive Programs**				
	To reflect RY 20 forecast	-	$ -	-	$ -
(r)	**Natural Gas Vehicles**				
	To reflect RY20 forecast	-	$ -	-	$ -
(s)	**Savings**				
	Flow through impact of Tax Law Change	23	$ 23	23	$ 23
	Total O&M Adjustments		$ (3,390)		$ (3,390)

		Adjustments			Amount		
Adj. 3	**Depreciation Expense**						
	To reflect RY20 forecast associated with Net Utility Plant	2,591	$	2,591	2,591	$	2,591
Adj. 4	**Taxes Other Than Revenue & Income Taxes**						
(a)	**Payroll Taxes**						
	Flow through adjustment related to labor adjustment	82	$	82	82	$	82
(b)	**Real Estate Taxes**						
	To reflect RY20 Forecast	1,194	$	1,194	1,194	$	1,194
(c)	**Special Franchise**						
	To reflect RY20 Forecast	1,045	$	1,045	1,045	$	1,045
(d)	**Other Taxes**	2	$	2	2	$	2
	Total Taxes Other Than Revenue & Income Taxes		$	2,323		$	2,323
Adj . 5	**Federal Income Tax**						
(a)	Flow through calculation	(3,177)			(3,177)		
(b)	Impact of Tax Law change	132	$	(3,045)	132	$	(3,045)
Adj. 6	**State income Tax**	(1,336)			(1,336)		
(a)	Flow through calculation	20	$	(1,316)	20	$	(1,316)
(b)	Flow through impact of Tax Law change						
	Total Income Tax Adjustment		$	(4,361)		$	(4,361)
Adj. 7	**Rate Base**						
(a)	**Net Utility Plant**						
	To reflect RY 20 plant forecast	107,443	$	107,443	107,443	$	107,443
(b)	**Regulatory Assets and Liabilities**						
	To reflect RY20 forecast	(912)	$	(912)	(912)	$	(912)
(c)	**Accumulated Deferred Income Taxes - Federal**						
(1)	To reflect RY20 forecast increase (includes flow through)	(25,060)					
(2)	Impact of Tax Law Change	15,664	$	(9,396)	15,664	$	(9,396)
(d)	**Accumulated Deferred Income Taxes - State**						
(1)	To reflect RY20 forecast increase (includes flow through)	(5,430)	$	(5,430)	(5,430)	$	(5,430)
(e)	**Working Capital**						
(1)	To reflect increase in Materials due to inflations	619			619		
(2)	To reflect increase in Prepayments due to inflation	(43)			(43)		
(3)	To reflect increase in O&M Cash Allowance based on changes in expense le	(427)			(427)		
(4)	To relect increase in Supply Cash Allowance	(479)	$	(330)	(479)	$	(330)
	Total Rate Base Adjustments		$	91,375		$	91,375

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2020
($000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Real Estate Taxes				
Real Property	$ 22,966	(4b)	$ 1,194	$ 24,160
Special Franchise	20,106	(4c)	1,045	21,151
Total Real Estate Taxes	43,072		2,239	45,311
Payroll Taxes	4,310	(4a)	82	4,392
Other	112	(4d)	2	114.63
Total Taxes Other Than Revenue and Income Taxes	$ 47,494		$ 2,323	$ 49,818

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 20 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Depreciation Expense (acct 403)	$ 52,572	(3)	$ 2,591	$ 55,164
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	$ 52,572		$ 2,591	$ 55,164

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 21 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2020
($000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Avg Rate Base Per Books	$ 1,243,882	$ 91,375	$ 1,335,257
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP)	12,100	-	12,100
Rate Base	1,231,782	91,375	1,323,158
Weighted Cost of LTD Debt	2.14%	0.00%	2.14%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%
subtotal weighted cost of debt	2.14%	0.00%	2.14%
Total Income Tax Interest Deduction	$ 26,360	$ 1,340	$ 28,316

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 22 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2020
($000's)

Description	Joint Proposal Rate Year Ending March 31, 2019	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Total O&M Expense	$ 214,068	$ (2,296)	$ 211,772
Remove major non-cash items included O&M expense :			
Bad Debt expense	(13,240)	$ (1,076)	$ (14,317)
Other (EE & 18A)	(14,731)	(44)	(14,775)
Subtotal	(27,972)	(1,120)	(29,092)
Add major cash items not included in O&M expense:			
Other	10,549	-	10,549
Subtotal	10,549	-	10,549
Total Adjustments	(17,422)	(1,120)	(18,543)
Adjusted O&M Expense	$ 196,645	(3,416)	193,229
Departmental Cash Allowance - 1/8 (45 days)	24,581	(427)	24,154
Supply Cost Cash Allowance (3.64% x HY Gas exp)	-	-	-

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 23 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending March 31, 2020
($000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	$ 1,076,115	-	$ 1,076,115	-	$ 1,076,115
(B)	ADD: Average interest-bearing CWIP	15,851	-	15,851	-	15,851
(C)	TOTAL EARNINGS BASE (A+B)	1,091,966	-	1,091,966	-	1,091,966
	Percent	18.35%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
	Long Term Debt	510,030		510,030		510,030
	Notes Payable	956		956		956
	Gas Supplier Refunds	74		74		74
	Customer Deposits	5,482		5,482		5,482
	Preferred Stock	5,319		5,319		5,319
	Common Equity (excludes merger GW; incl TCI adj)	606,865		606,865		606,865
	Avg. Allocated to Elec / Gas based on Earnings Base	1,128,726		1,128,726		1,128,726
(E)	Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F)	SUBTOTAL (D+E)	1,128,726		1,128,726		1,128,726
	LESS Average Investments in:					
	Detailed balance sheet accounts	(25,132)	-	(25,132)	-	(25,132)
	Accumulated Def Inc Tax Adjustment	56,998	-	56,998	-	56,998
	Goodwill					
(G)	Total Deductions	31,867		31,867		31,867
(H)	Capitalization Dedicated to Public Service (F-G)	1,096,859		1,096,859		1,096,859
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	$ (4,893)		$ (4,893)		$ (4,893)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Statement of Operating Income
For the Rate Year Ending March 31, 2021
($000's)

	Rate Year Ending March 31, 2020	Adj. #	Adjustments	Rate Year Ending March 31, 2021	Base Revenue Increase Required	Rate Year Ending March 31, 2021 with Base Revenue Requirement
Operating Revenues	$ 605,336	(1)	$ 5,551	$ 610,887	$ 9,951	$ 620,838
Deductions						
Purchased Gas Costs	174,574		2,347	176,920		176,920
Revenue Taxes	8,748		71	8,818	144	8,962
Total Deductions	183,321		2,418	185,739	144	185,883
Gross Margin	788,657		3,134	425,148	9,807	434,955
Total Operation & Maintenance Expenses	211,900	(2)	(1,016)	210,884	239	211,123
Amortization of Regulatory Deferrals	0		-	-	-	-
Depreciation, Amort. & Loss on Disposition	55,164	(3)	2,935	58,098.52	-	58,099
Taxes Other Than Revenue & Income Taxes	49,818	(4)	2,505	52,322.16	-	52,322
Total Operating Revenue Deductions	316,881		4,423	321,304	239	321,543
Operating Income Before Income Taxes	1,105,538		(1,289)	103,844	9,568	113,412
Income Taxes						
Federal Income Taxes	15,086	(5)	(626)	14,460	1,879	16,339
State Income Taxes	4,306	(6)	(207)	4,099	622	4,721
Total Income Taxes	19,392		(833)	18,559	2,501	21,060
Operating Income After Income Taxes	$ 1,124,930		$ (456)	$ 85,285	$ 7,067	$ 92,352
Rate Base	$ 1,323,158	(7)	$ 108,653	$ 1,431,811		$ 1,431,811
Rate of Return	6.48%			5.96%		6.45%

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 25 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of O&M Expenses
For the Rate Year Ending March 31, 2021
($000's)

	Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Operation & Maintenance Expenses:				
Departmental Items:				
Consultants	$ 6,446	(2a)	$ 135	$ 6,582
Contractors	23,000	(2a)	483	23,483
Donations	-		-	-
Employee Expenses	1,455	(2a)	31	1,486
Hardware	61	(2a)	1	62
Software	2,480	(2a)	52	2,532
Other	5,876	(2a)	124	6,000
Rents	1,034	(2b)	46	1,080
Service Company Rents	10,382	(2c)	2,399	12,781
Construction Reimbursement	200	(2a)	4	204
FAS 106	1,949	(2d)	(1,717)	232
FAS 112	72	(2a)	2	73
Health Care	6,659	(2a)	(16)	6,643
Group Life Insurance	273	(2a)	6	279
Other Benefits	57	(2a)	1	59
Pensions	1,551	(2e)	(1,551)	-
Thrift Plan	1,613	(2a)	39	1,652
Workers Comp	659	(2a)	14	673
Materials Outside Vendor	3,230	(2a)	68	3,298
Materials From Inventory	1,295	(2a)	27	1,323
Materials Stores Handling	512	(2a)	11	523
Postage	3,245	(2a)	68	3,313
Total Labor	59,134	(2f)	1,545	60,679
Transportation	4,502	(2g)	(24)	4,478
Energy Efficiency program	10,549		-	10,549
Clean Energy Fund	4,226	(2h)	111	4,337
Injuries and Damages	2,412	(2a)	51	2,462
Other Initiatives	22,542	(2i)	(2,174)	20,368
Productivity Adjustment	(2,141)	(2j)	(822)	(2,963)
Rate Case Expense	396	(2k)	-	396
Regulatory Assessment Fees	3,956	(2l)	83	4,039
Uncollectible Accounts	14,445	(2m)	127	14,572
Site Investigation & Remediation Expenses	4,821	(2n)	-	4,821
Vegetation Management	-		-	-
Savings	(2,476)	(2a)	(157)	(2,633)
Legal	427	(2a)	9	436
Accounting	389	(2a)	8	397
Conservation Load Management	-	(2a)	-	-
Storm Fund	-		-	-
Economic Development Plan	1,000	(2o)	-	1,000
Low Income Program	14,905	(2p)	-	14,905
Incentive Programs	764	(2q)	-	764
Natural Gas Vehicles	-	(2r)	-	-
Sub Total - Departmental	$ 211,900		$ (1,016)	$ 210,884
TOTAL	$ 211,900		$ (1,016)	$ 210,884

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Federal Income Taxes
For the Rate Year Ending March 31, 2021
(Whole Dollars)

	Federal - Gas					
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 103,843,917		$ 103,843,917	$ 21,807,000		$ 21,807,000
Interest	(30,211,213)		(30,211,213)	(6,344,000)		(6,344,000)
New York State Income Taxes	(4,099,293)		(4,099,293)	(861,000)		(861,000)
Flow-through Cost of Removal	(8,980,546)		(8,980,546)	(1,886,000)		(1,886,000)
Flow-through Depreciation	8,735,377		8,735,377	1,834,000		1,834,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	14,000		14,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(104,000)	(104,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	$ 69,353,435	$ -	$ 69,353,435	$ 14,564,000	$ (104,000)	$ 14,460,000
	21.00%					

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - State Income Taxes
For the Rate Year Ending March 31, 2021
(Whole Dollars)

	State - Gas					
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	$ 103,843,917		$ 103,843,917	$ 6,750,000		$ 6,750,000
Interest	(30,211,213)		(30,211,213)	(1,964,000)		(1,964,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	352,326		352,326	23,000		23,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	4,000		4,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other -2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-	(219,862)	(219,862)
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(493,845)	(493,845)
Tax Only Item - 3	-		-	-		-
TOTAL SIT EXPENSE	$ 74,050,223	$ -	$ 74,050,223	$ 4,813,000	$ (713,707)	$ 4,099,293
	6.50%					

Note 1: $30.9M = $25.93M electric and $4.94M gas
Amortized over 10 years = $2.593M electric per year and $0.494M gas per year

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 27 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Rate Base
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Net Utility Plant	$ 1,730,082	(7a)	$ 125,992	$ 1,856,075
Regulatory Assets / Liabilities	1,181	(7b)	(603)	578
Accumulated Deferred Income Taxes - Federal	(410,744)	(7c)	(10,906)	(421,651)
Accumulated Deferred Income Taxes - State	(60,182)	(7d)	(6,572)	(66,754)
Working Capital		(7e)		
Materials and supplies	30,086		632	30,718
Prepayments	(2,098)		(44)	(2,142)
O&M Cash Allowance (1/8 O&M exp)	24,154		(157)	23,997
Supply Cash Allowance (Dec 16 lead/lag study)	16,993		-	16,993
Change in Supply Cash Allowance (7.76% x RY Gas exp)	5,785		312	6,098
subtotal Working Capital	74,920		743	75,663
subtotal avg. before EBCAP adj.	1,335,257		108,653	1,443,911
Excess Earnings Base adjustment	(12,100)		-	(12,100)
Total Rate Base	$ 1,323,158		$ 108,653	$ 1,431,811

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 28 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case No. 17-G-0239
Gas - Capital Structure
For the Rate Year Ending March 31, 2021

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	$ 731,068	51.06%	4.13%	2.11%	2.11%
Customer Deposits	6,907	0.48%	0.35%	0.00%	0.00%
Preferred Stock	6,567	0.46%	3.66%	0.02%	0.03%
Common Equity	687,269	48.00%	9.00%	4.32%	5.85%
Total	$ 1,431,811	100.00%		6.45%	7.99%

==========

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	2.40%	2.40443%		Tax	$ 8,818
GRT rate for Rev Req	1.44%			Revenue	$ 610,887
Federal Income Tax rate	21.00%			GRT	1.4435560%
NYS Income Tax rate	6.50%	73.8650%			
Historic Year EBCAP	$ (4,893)				
General Inflation (from 12/31/16 to 3/31/19)	4.3476%				

==========

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 29 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Adjustments for the Rate Year Ending March 31, 2021
($000's)

		Adjustments		Amount	
Adj. 1	**Operating Revenues**	$ 5,551	$ 5,551	$ 5,551	$ 5,551
(a)	To relect RY21 sales forecast				
(b)	**Purchased Gas Costs**	2,347	$ 2,347	2,347	$ 2,347
(c)	**Revenue Taxes**	71	$ 71	71	$ 71
Adj. 2	**Operating and Maintenance Expenses**				
(a)	**Various Expenses**				
	To reflect increase in expense due to inflation	933	$ 933	933	933
(b)	**Rents**				
	To reflect specific RY21 forecast and general inflation	52	$ 52	52	$ 52
(c)	**Service Company Rates**				
(1)	To reflect RY 21 forecast	2,583		2,583	
(2)	Flow through impact of Tax Law Change	(184)	$ 2,399	(184)	$ 2,399
(d)	**FAS 106 - OPEB**				
	Actuarial Reports for RY1-3	(1,717)	$ (1,717)	(1,717)	$ (1,717)
(e)	**FAS 87 - Pension**				
	Actuarial Reports for RY1-3	(1,551)	$ (1,551)	(1,551)	$ (1,551)
(f)	**Labor Expense**				
	To reflect increase in salaries and wages by labor inflation factor	1,545	$ 1,545	1,545	$ 1,545
(g)	**Transportation**				
	To reflect RY21 forecast and general inflation	(24)	$ (24)	(24)	(24)
(h)	**Clean Energy Fund**				
	To reflect RY21 forecast	111	$ 111	111	$ 111
(i)	**Other Initiatives**				
	To include 2 FTE's for GIOP Opex related to Capex	45		45	
	To reflect RY21 forecast and general inflation	(2,220)	$ (2,174)	(2,220)	$ (2,174)
(j)	**Productivity Adjustment**				
	Flow through adjustment related to labor adjustment	(822)	$ (822)	(822)	$ (822)
(k)	**Rate Case Expense**	-	$ -	-	$ -
(l)	**Regulatory Assessment Fees**				
	To reflect RY21 forecast and general inflation	83	$ 83	83	$ 83
(m)	**Uncollectible**				
	To reflect increase associated with change in revenue	127	$ 127	127	$ 127
(n)	**Site Investigation and Remidiation**				
	To reflect RY21 forecast	-	$ -	-	$ -
(o)	**Economic Development Plan**				
	To reflect RY21 forecast	$ -	$ -	-	$ -
(p)	**Incentive Programs**				
	To reflect RY21 forecast	-	$ -	-	$ -
(q)	**Natural Gas Vehicles**				
	To reflect RY21 forecast	$ -	$ -	-	$ -
(s)	**Savings**				
	Flow through impact of Tax Law Change	$ 21	$ 21	21	$ 21
	Total O&M Adjustments		$ (1,016)		$ (1,016)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Adjustments for the Rate Year Ending March 31, 2021
($000's)

		Adujustments		Amount	
Adj. 3	**Depreciation Expense**				
	To reflect RY21 forecast associated with Net Utility Plant	2,935	$ 2,935	2,935	$ 2,935
Adj. 4	**Taxes Other Than Revenue & Income Taxes**				
(a)	**Payroll Taxes**				
	Flow through adjustment related to labor adjustment	82	$ 82	82	$ 82
(b)	**Real Estate Taxes**				
	To reflect RY21 Forecast	1,290	$ 1,290	1,290	$ 1,290
(c)	**Special Franchise**				
	To reflect RY21 Forecast	1,129	$ 1,129	1,129	$ 1,129
(d)	**Other Taxes**	2	$ 2	2	$ 2
	Total Taxes Other Than Revenue & Income Taxes		$ 2,505		$ 2,505
Adj . 5	**Federal Income Tax**				
	Flow through calculation	(977)		(977)	
	Impact of Tax Law change	351	$ (626)	351	$ (626)
Adj. 6	**State income Tax**				
	Flow through calculation	(194)		(194)	
	Flow through impact of Tax Law change	(13)	$ (207)	(13)	$ (207)
	Total Income Tax Adjustment		$ (833)		$ (833)
Adj. 7	**Rate Base**				
(a)	**Net Utility Plant**				
	To reflect RY21 plant forecast	125,992	$ 125,992	125,992	$ 125,992
(b)	**Regulatory Assets and Liabilities**				
	To reflect RY21 forecast	(603)	$ (603)	(603)	$ (603)
(c)	**Accumulated Deferred Income Taxes - Federal**				
(1)	To reflect RY21 forecast increase (includes flow through)	(21,144)		(21,144)	
(2)	Impact of Tax Law Change	10,238	$ (10,906)	10,238	$ (10,906)
(d)	**Accumulated Deferred Income Taxes - State**				
(1)	To reflect RY21 forecast increase (includes flow through)	(6,572)	$ (6,572)	(6,572)	$ (6,572)
(e)	**Working Capital**				
(1)	To reflect increase in Materials due to inflations	632		(632)	
(2)	To reflect increase in Prepayments due to inflation	(44)		44	
(3)	To reflect increase in O&M Cash Allowance based on changes in expense levels and flow through impact of tax law change	(157)		157	
(4)	To relect increase in Supply Cash Allowance	312	$ 743	(312)	$ 743
	Total Rate Base Adjustments		$ 108,653		$ 108,653

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2021
($000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Real Estate Taxes				
Real Property	$ 24,160	(4a)	$ 1,290	$ 25,450
Special Franchise	21,151	(4c)	1,129	22,280
Total Real Estate Taxes	45,311		2,420	47,730
Payroll Taxes	4,392	(4a)	82	4,475
Other	115	(4d)	2	117.04
Total Taxes Other Than Revenue and Income Taxes	$ 49,818		$ 2,505	$ 52,322

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 32 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Depreciation Expense (acct 403)	$ 55,164	(3)	$ 2,935	$ 58,099
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	55,164		$ 2,935	$ 58,099

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 33 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2021
($000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Avg Rate Base Per Books	$ 1,335,257	$ 108,653	$ 1,443,911
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP)	12,100	-	12,100
Rate Base	1,323,158	108,653	1,431,811
Weighted Cost of LTD Debt	2.11%	-0.08%	2.11%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%
subtotal weighted cost of debt	2.11%	-0.08%	2.11%
Total Income Tax Interest Deduction	$ 27,919	$ 1,234	$ 30,211

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 34 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2021
($000's)

Description	Joint Proposal Rate Year Ending March 31, 2020	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Total O&M Expense	$ 211,900	$ (1,016)	$ 210,884
Remove major non-cash items included O&M expense :			
Bad Debt expense	(14,445)	(127)	(14,572)
Other (EE & 18A)	(14,775)	(111)	(14,886)
Subtotal	(29,220)	(238)	(29,458)
Add major cash items not included in O&M expense:			
Other	10,549	-	10,549
Subtotal	10,549	-	10,549
Total Adjustments	(18,671)	(238)	(18,909)
Adjusted O&M Expense	$ 193,229	$ (1,254)	$ 191,975
Departmental Cash Allowance - 1/8 (45 days)	24,154	(157)	23,997
Supply Cost Cash Allowance (13.31% x HY Gas exp)	-	-	-

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 2
Page 35 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Comparison of Average Historic Rate Base and Capitalization
For the Rate Year Ending March 31, 2021
($000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	$ 1,076,115	-	$ 1,076,115	-	$ 1,076,115
(B)	ADD: Average interest-bearing CWIP	15,851	-	15,851	-	15,851
(C)	TOTAL EARNINGS BASE (A+B)	1,091,966	-	1,091,966	-	1,091,966
	Percent	18.35%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may be adj for TCI if required):					
	Long Term Debt	510,030		510,030		510,030
	Notes Payable	956		956		956
	Gas Supplier Refunds	74		74		74
	Customer Deposits	5,482		5,482		5,482
	Preferred Stock	5,319		5,319		5,319
	Common Equity (excludes merger GW; incl TCI adj	606,865		606,865		606,865
	Avg. Allocated to Elec / Gas based on Earnings Base	1,128,726		1,128,726		1,128,726
(E)	Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F)	SUBTOTAL (D+E)	1,128,726		1,128,726		1,128,726
	LESS Average Investments in:					
	Detailed balance sheet accounts	(25,132)	-	(25,132)	-	(25,132)
	Accumulated Def Inc Tax Adjustment	56,998	-	56,998	-	56,998
	Goodwill					
(G)	Total Deductions	31,867		31,867		31,867
(H)	Capitalization Dedicated to Public Service (F-G)	1,096,859		1,096,859		1,096,859
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	$ (4,893)		$ (4,893)		$ (4,893)

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric & Common Depreciation Rates
Effective 4/1/2018

Account	Account Name	Average Service Life (ASL)	Curve	Net Salvage	Depreciation Rate
Electric Transmission Plant					
350.40	Land rights	75	H5	1.2%	1.32%
352.00	Structures and improvements	55	R2.5	-33.0%	2.42%
353.01	Station equipment	45	L0.5	-14.0%	2.53%
353.55	Station equipment - EMS RTU	25	H5	-5.0%	4.20%
354.00	Towers and fixtures	75	R4	-35.0%	1.80%
355.00	Poles and fixtures	65	R2.5	-45.0%	2.23%
356.01	Overhead conductors, devices	80	R2.5	-35.0%	1.69%
357.01	Underground conduit	85	R3	-5.0%	1.24%
358.00	Underground conductors, devices	80	R3	-27.0%	1.59%
359.00	Roads and trails	75	H4	0.0%	1.33%
Electric Distribution Plant					
360.01	Land Rights	75	H5	0.0%	1.33%
361.00	Structures and improvements	80	R2.5	-33.0%	1.66%
362.01	Station equipment	60	H2	-15.0%	1.92%
362.55	Station equipment - EMS RTU	25	S3	-5.0%	4.20%
362.75	NY EMS Replacement INVP1041	10	S3	0.0%	10.00%
364.00	Poles, towers and fixtures	65	R1.5	-20.0%	1.85%
365.00	Overhead conductors, devices	60	R4	-40.0%	2.33%
366.01	Underground conduit	70	R0.5	-16.0%	1.66%
367.10	Underground conductors, devices	75	R3	-30.0%	1.73%
368.01	Line transformers - Bare Cost	40	R1.5	-6.0%	2.65%
368.30	Line transformers - Install Cost	40	R2	-35.0%	3.38%
369.10	Services - Overhead	55	R4	-45.0%	2.64%
369.20	Services - Underground-Conduit	85	H4	-5.0%	1.24%
369.21	Services - Underground-Cable	85	H2.5	-20.0%	1.41%
370.10	Small Meters - Bare Cost	20	H0.5	-25.0%	6.25%
370.20	Small Meters - Install Cost	20	H0.5	-25.0%	6.25%
370.30	Large Meters - Bare Cost	20	H3	-1.0%	5.05%
370.35	Large Meters - Install Cost	20	H3	-1.0%	5.05%
371.00	Installs customer premise	42	R1.5	-11.0%	2.64%
373.10	O/H St Lighting - Other	60	H1.5	-30.0%	2.17%
373.11	O/H St Lighting - Luminaires	20	S3	-30.0%	6.50%
373.20	U/G St Lighting - Other	60	H1.5	-30.0%	2.17%
373.21	U/G St Lighting - Luminaires	20	S3	-30.0%	6.50%
373.30	O/H St. Lights - LED	25	S3	-30.0%	5.20%
373.40	U/G St. Lights - LED	25	S3	-30.0%	5.20%
Electric General Plant					
390.00	Structures and improvements	45	H0.5	-13.0%	2.51%
392.22	Transportation Equipment	15	SQ	50.0%	3.33%
391.01	Office furniture, equipment	22	SQ	0.0%	4.55%
391.20	Office furn, equip (Data Proc Equip)	5	SQ	0.0%	20.00%
394.01	Tools, shop, garage equipment	22	SQ	0.0%	4.55%
395.01	Laboratory equipment	22	SQ	0.0%	4.55%
396.00	Power operated equipment	22	SQ	0.0%	4.55%
397.01	Communication equipment - Radio	22	SQ	0.0%	4.55%
397.02	Communication equipment - Telephone	8	SQ	0.0%	12.50%
397.50&.60	Communication equipment - Network	22	SQ	0.0%	4.55%
398.01	Power and Supervisory Control	22	SQ	0.0%	4.55%

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric & Common Depreciation Rates
Effective 4/1/2018

Account	Account Name	Average Service Life (ASL)	Curve	Net Salvage	Depreciation Rate
Common General Plant					
390.00	Structures and improvements	45	HO.5	-15.70%	2.57%
391.10	Office furniture and equipment	22	SQ	0.00%	4.55%
391.21	Data Processing Equipment	5	SQ	0.00%	20.00%
392.21	Transportation Equipment - Aircraft	10	SQ	25.00%	7.50%
393.00	Stores equipment	22	SQ	0.00%	4.55%
394.00	Tools, shop and garage equipment	22	SQ	0.00%	4.55%
395.00	Laboratory equipment	22	SQ	0.00%	4.55%
396.00	Power operated equipment	22	SQ	0.00%	4.55%
397.10	Communication equipment - Radio	22	SQ	0.00%	4.55%
397.20	Communication equipment - Telephone	8	SQ	0.00%	12.50%
397.30	Communication equipment - Network	22	SQ	0.00%	4.55%
398.00	Miscellaneous equipment	22	SQ	0.00%	4.55%
398.10	Power and Supervisory Control	22	SQ	0.00%	4.55%

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Depreciation Rates
Gas Transmission and Distribution Rates Effective 4/1/2013
Gas General Rates Effective 5/20/2009

Account	Account Name	Average Service Life (ASL)	Curve	Net Salvage	Depreciation Rate
Gas Transmission Plant					
365.00	Land Rights	100	SQ		1.00%
366.00	Structures and improvements	55	R2	-10.00%	2.00%
367.00	Mains	85	R3	-10.00%	1.29%
369.15	Measuring and regulating station equipment	40	R0.5	-10.00%	2.75%
369.25	Measuring and regulating station equipment - manholes	45	LO	-30.00%	2.89%
369.55	Measuring and regulating station equipment - RTU	25	H4	-5.00%	4.20%
Gas Distribution Plant					
374.00	Land Rights	100	SQ		1.00%
375.00	Structures and improvements	45	L0	-40.00%	3.11%
376.11	Mains - Steel	95	H4	-40.00%	1.47%
376.12	Mains - Plastic	65	H4	-30.00%	2.00%
376.13	Mains - Cast Iron	80	S0.5	-200.00%	3.75%
376.14	Mains - Valves	90	S2	-20.00%	1.33%
378.10	Measuring and regulating station equipment	36	L0.5	-30.00%	3.61%
378.20	Measuring and regulating station equipment - manholes	45	L0	-35.00%	3.00%
378.55	Measuring and regulating station equipment - RTU	25	H4	-5.00%	4.20%
380.10	Services - Metallic	60	R1.5	-10.00%	1.83%
380.20	Services - Plastic	60	R4	-10.00%	1.83%
381.00	Meters	33	R2.5	-5.00%	3.18%
382.00	Meter installations	50	R1	-50.00%	3.00%
383.00	House regulators	40	R1	0.00%	2.50%
384.00	House regulator installations	40	H5	0.00%	2.50%
385.00	Industrial measuring and regulating equipment	40	R5	0.00%	2.50%
Gas General Plant					
390.00	Structures and improvements	55	L0.5	0.00%	1.82%
391.10	Office furniture and equipment	22	SQ	0.00%	4.55%
391.15	Data processing equipment	5	SQ	0.00%	20.00%
393.00	Stores equipment	22	SQ	0.00%	4.55%
394.10	Tools, shop and garage equipment	22	SQ	0.00%	4.55%
394.20	Natural gas vehicles refueling equipment	22	SQ	0.00%	4.55%
395.00	Laboratory equipment	22	SQ	0.00%	4.55%
396.00	Power operated equipment	22	SQ	0.00%	4.55%
397.10	Communication equipment - Network	22	SQ	0.00%	4.55%
397.20	Communication equipment - Radio	22	SQ	0.00%	4.55%
397.30	Communication equipment - Telephone	8	SQ	0.00%	12.50%
398.00	Miscellaneous equipment	22	SQ	0.00%	4.55%
398.10	Power and Supervisory Control	22	SQ	0.00%	4.55%

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Summary of Planned Investment for Electric and Common Capital and Cost of Removal
FY18 - FY21
($000)

CAPEX	FY18	FY19 Rate Year	FY20 Rate Year	FY21 Rate Year
Electric Direct Capex				
Electric Direct - Distribution	$283,491	$301,375	$326,487	$335,381
Electric Direct - Transmission	$190,165	$197,809	$197,414	$204,258
Electric Direct - Sub-Transmission	$18,064	$37,239	$42,933	$49,837
Electric Direct Capex - Total	$491,720	$536,422	$566,833	$589,476
Allocated Capex (at 100%)				
Info Services - Electric	$200	$200	$200	$228
New Energy Solution - Electric Products	$0	$9,269	$0	$0
Property Services - Common	$7,500	$13,500	$13,500	$13,500
Operations Support - Common	$512	$3,163	$1,481	$1,481
Inventory Management/Investment Recovery - Common	$230	$167	$167	$167
Allocated Capex (at 100%)- Total	$8,442	$26,298	$15,348	$15,376
Total Electric and Common Capex	$500,162	$562,720	$582,181	$604,852

Cost of Removal	FY18	FY19	FY20	FY21
Electric Direct Cost of Removal				
Electric Direct - Distribution	$28,748	$39,729	$32,491	$31,364
Electric Direct - Transmission	$23,711	$25,254	$20,775	$28,338
Electric Direct - Sub-Transmission	$4,963	$6,278	$7,899	$8,743
Electric Direct Cost of Removal - Total	$57,422	$71,261	$61,166	$68,445
Allocated Cost of Removal (at 100%)				
Info Services - Electric	$0	$0	$0	$0
Property Services - Common	$675	$1,215	$1,215	$1,215
Operations Support - Common	$30	$0	$0	$0
Inventory Management/Investment Recovery - Common	$0	$0	$0	$0
Allocated Cost of Removal (at 100%) - Total	$705	$1,215	$1,215	$1,215
Total Electric and Common Cost of Removal	$58,127	$72,476	$62,381	$69,660
Electric Pension/OPEB FASB Adjustment		($22,150)		
Total Electric and Common Capex and COR	$558,289	$613,047	$644,561	$674,512

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Summary of Planned Investment for Gas Programs
FY18 - FY21
($000)

Classification	Rate Case Category	FY'18	FY'19 Rate Year	FY'20 Rate Year	FY'21 Rate Year
Growth	Base Growth - Install Main	$ 6,176	$ 7,208	$ 7,359	$ 7,514
	Base Growth - Install Services	$ 11,855	$ 12,911	$ 13,643	$ 14,417
	Base Growth - Neighborhood Expansion Program - Main	$ 623	$ 679	$ 693	$ 708
	Base Growth - Neighborhood Expansion Program - Services	$ 375	$ 489	$ 499	$ 510
	Base Growth - Customer Contributions	$ (2,048)	$ (1,494)	$ (1,525)	$ (1,558)
	Base Growth - Fitting	$ 4,614	$ 3,558	$ 3,633	$ 3,709
	Base Growth - Install Meter/Regulator	$ 2,302	$ 3,245	$ 3,313	$ 3,383
	Base Growth - Meter Purchases	$ 1,145	$ 1,926	$ 1,966	$ 2,008
	Gas System Reinforcement	$ 3,322	$ 6,185	$ 7,857	$ 10,200
	Marcy NanoTech Center (MV Edge)	$ 9,559	$ 500	$ -	$ -
	Marcy NanoTech Center (MV Edge) CIAC	$ (9,559)	$ (500)	$ -	$ -
	Global Foundries	$ -	$ -	$ -	$ -
	Global Foundries CIAC	$ -	$ -	$ -	$ -
Subtotal Growth		$ 28,364	$ 34,707	$ 37,438	$ 40,891
Mandated	CSC/Public Works	$ 6,000	$ 6,064	$ 6,191	$ 6,321
	CSC/Public Works - Reimbursable	$ 8	$ -	$ -	$ -
	CSC/Public Works - Reimbursements	$ (8)	$ -	$ -	$ -
	Corrosion	$ 1,826	$ 2,367	$ 2,417	$ 2,467
	Main Replacement (Proactive) - Leak Prone Pipe	$ 46,662	$ 45,025	$ 45,971	$ 46,936
	Low Pressure Pockets	$ -	$ -	$ 929	$ 949
	10-12-14-Inch CI Program	$ -	$ -	$ -	$ -
	Replace Pipe on Structures	$ -	$ 825	$ 1,578	$ 795
	Main Replacement (Reactive) - Maintenance	$ 828	$ 1,012	$ 1,033	$ 1,055
	Cross Bore Investigation	$ 1,026	$ 612	$ 625	$ -
	Atmospheric Corrosion Inside Inspections (Remediation)	$ 670	$ 180	$ 184	$ 188
	Transmission Services	$ 429	$ 3,401	$ 3,472	$ 3,545
	Purchase Meters (Replacements)	$ 4,307	$ 4,116	$ 4,202	$ 4,291
	Install Elevated Pressure Meter Correctors	$ -	$ 911	$ 930	$ 950
	Advanced Metering Infrastructure (AMI) - ERTS	$ -	$ -	$ -	$ -
	ERT Replacement	$ -	$ -	$ 2,500	$ 7,500
	Meter Changes	$ 5,772	$ 4,862	$ 4,964	$ 5,068
	Other Meter Work	$ -	$ -	$ -	$ -
	Soft-Offs	$ -	$ -	$ -	$ -
	Pipeline Integrity IMP (Integrity Management Program)	$ 12,181	$ 12,500	$ 13,759	$ 17,750
	Pipeline Integrity IVP (Integrity Verification Program)	$ 4,500	$ 3,375	$ 4,014	$ 4,026
	PL 34-8 Inch Replacement	$ -	$ 2,906	$ 12,068	$ 448
	PL 36-16 Inch Replacement	$ -	$ -	$ -	$ -
	Transmission Pipeline Washout	$ 500	$ 500	$ 511	$ 521
	Transmission Pipeline (Reactive)	$ 500	$ 500	$ 511	$ 521
	Service Replacements - Proactive	$ -	$ -	$ -	$ -
	Service Replacement (Reactive) - Leaks	$ 4,816	$ 4,336	$ 4,427	$ 4,520
	Service Replacements (Reactive) - Non-Leaks/Other	$ 4,590	$ 2,472	$ 2,524	$ 2,577
	Lock Numbers 10 & 11 Washout	$ -	$ -	$ -	$ -
Subtotal Mandated		$ 94,607	$ 95,964	$ 112,810	$ 110,428
Reliability	Gas System Control	$ 86	$ -	$ -	$ -
	Gas System Control - Gas Control (Telemetry Upgrade 3G to 4G)	$ -	$ 100	$ 100	$ -
	Gas System Control - Gas Control (Training Simulator)	$ -	$ -	$ 60	$ 340
	Gas System Reliability - Gas Planning/RCV Programs	$ 985	$ 2,511	$ 2,564	$ 2,618
	Gas System Reliability - Albany Loop Closure	$ 250	$ 3,000	$ 15,540	$ 31,440
	Valve Installation/Replacement	$ 290	$ 245	$ 250	$ 255
	Water Intrusion	$ 905	$ 433	$ 442	$ 451
	I&R - Reactive / CNG	$ 386	$ 333	$ 340	$ 347
	I&R CNG Construct 3 Portable Gas Regulator Stations	$ -	$ 225	$ -	$ -
	I&R CNG Purchase Portable CNG Tube Trailer	$ -	$ -	$ -	$ -
	I&R Training Facilities	$ -	$ 500	$ -	$ -
	Security At Critical Infrastructure	$ -	$ 1,550	$ 1,583	$ 1,616
	Methane Emission Reduction	$ -	$ 800	$ 817	$ 834
	System Automation	$ 750	$ 750	$ 1,000	$ 1,500
	Heater Installation Program	$ -	$ 1,000	$ 1,500	$ 2,000
	Pressure Regulating Facilities	$ 2,710	$ 4,640	$ 4,737	$ 4,837
	Overpressure Protection Program	$ -	500	750	1,000
	Pressure Reg Station - Lamphear Rd - GRS 824-695	$ 50	$ -	$ -	$ -
	Pressure Reg Station - Alplaus - GRS 924-426	$ 400	$ 1,290	$ 80	$ -
	Pressure Reg Station - Mariaville Road Rotterdam - GRS 924-434	$ -	$ 400	$ 1,700	$ 80
	Pressure Reg Station - Putnam Gate - GRS 924-450	$ 250	$ 25	$ -	$ -
	Pressure Reg Station - Campion Road GRS 824-688	$ -	$ 500	$ -	$ 1,800
	Pressure Reg Station - Brookview Gate Station	$ 225	$ 1,210	$ -	$ -
	Pressure Reg Station - Chestnut St GRS 824-175,201	$ 75	$ -	$ -	$ -
	Pressure Reg Station - Oneida Supply - GRS 824-709	$ -	$ 500	$ 2,100	$ 80
	Pressure Reg Station - Elton Ave & Salina St GRS 824-043	$ 2,000	$ 75	$ -	$ -
	Pressure Reg Station - Cold Springs Rd - GRS 824-127	$ -	$ 500	$ -	$ 2,000
	Pressure Reg Station - Washington & Fuller - GRS 924-313	$ -	$ -	$ 620	$ -
	Pressure Reg Station - Sandy Creek GRS 824-216A, 216B	$ -	$ -	$ -	$ 600
	Pressure Reg Station - Valentine Rd GRS 924-452	$ -	$ -	$ -	$ -
	Pressure Reg Station - Dams Corners GRS 824-697	$ -	$ -	$ -	$ -
	Pressure Reg Station - All Other	$ -	$ -	$ -	$ -
Subtotal Reliability Sum		$ 9,362	$ 21,087	$ 34,183	$ 51,798
Non-Infrastructure	Tools & Equipment - Various	$ 942	$ 806	$ 823	$ 840
	Combustable Gas Indicators	$ -	$ -	$ -	$ -
	Restrictions for Elevated Gas Infrastructure	$ -	$ 1,052	$ 1,074	$ 1,097
Subtotal Non-Infrastructure		$ 942	$ 1,858	$ 1,897	$ 1,937
Misc	Misc	$ -	$ -	$ -	$ -
Subtotal Misc		$ -	$ -	$ -	$ -
Total Direct Capital (Capital and COR)		$ 133,275	$ 153,616	$ 186,328	$ 205,054
Cost of Removal		$ 8,773	$ 9,969	$ 10,551	$ 11,764
Total Direct Capital (Capital)		$ 124,502	$ 143,647	$ 175,777	$ 193,290
Pension/OPEB FASB Adjustment		$ -	$ (4,257)	$ -	$ -
Total Direct Capital and COR after Pension/OPEB FASB Adjustment		$ 133,275	$ 149,359	$ 186,328	$ 205,054
New Energy Solution - Gas Products		$ -	$ -	$ 140	$ 119
Total Gas Capital Investment		$ 133,275	$ 149,359	$ 186,468	$ 205,173

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Distribution Capital Investment Plan
FY18 - FY21
($)

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
Asset Condition	D/SUB T_Asset Replacement	*NR-N GOUVERNEUR 98352-LEAD MINE RD	C049635	0	0	0	163,200
		BLUE STORES 30351 - PLEASANT VALE	C051985	0	90,100	0	0
		BROADWAY NETWORK RETIREMENT	C046712	0	21,000	0	0
		BUFFALO STA 121 POLE & DISC A/R	C073570	0	120,000	0	0
		BUFFALO STA 56- UPGRADE 4 XFMRS	C036502	2,145,780	458,000	0	0
		BUFFALO STATION 12 - 25 CYCLE RETIR	CD00969	7,650	7,350	0	0
		BUFFALO STATION 12 - FDR REM & TIES	C036208	990	0	0	0
		BUFFALO STATION 122 REBUILD - LINE	CD00779	0	0	59,000	1,704,300
		BUFFALO STATION 122 REBUILD - SUB	CD00782	0	0	0	612,070
		BUFFALO STATION 14 - 25 CYCLE RETIR	CD00974	15,260	0	0	0
		BUFFALO STATION 20 - 25 CYCLE FEEDE	C046618	1,050	1,100	0	0
		BUFFALO STATION 42 REBUILD - D LINE	C046859	0	0	0	0
		BUFFALO STATION 42 REBUILD - D STAT	C046854	0	0	0	0
		BUFFALO STATION 72 - 25 CYCLE FEEDE	C046619	900	0	0	0
		BURGOYNE 51 - REBUILD DURKEETOWN RD	CD00222	0	0	396,800	0
		CHURCH ST 53 - WEST LINE RD RELOCAT	C054923	0	131,250	0	0
		CROWN PT. 51 - CREEK RD GAP CLOSING	C048906	0	0	106,250	0
		CUYLER DLINE - POLE MOUNTED EQUIP	C055354	0	232,092	0	0
		DELEVAN F1162 STEEL WIRE PIW	C056734	0	10,500	163,100	0
		F1662 RECONDUCTOR RT 20 BROADWAY	C048615	0	171,200	0	0
		F2561 UNDERBUILT L803-817 NFUELS	C064329	106,250	0	0	0
		F2761 STEEL WIRE PIW	C056621	0	10,500	262,500	0
		HENRY ST 31636 - RIVER CROSSING	C029432	0	0	0	447,100
		KARNER - PATROON RECONDUCTING 477	C052303	0	0	0	0
		KARNER - PATROON UG GETAWAYS	C052307	0	0	0	0
		KARNER - RUTH RD UG GETAWAYS	C052305	0	0	0	0
		KARNER - SAND CREEK RECONDUCTING477	C052304	0	0	0	0
		KARNER - SAND CREEK UG GETAWAYS	C052306	0	0	0	0
		KARNER 31707 FEEDER CONVERSION	C049958	0	0	0	0
		KARNER 31715 FEEDER CONVERSION	C049964	0	0	0	0
		KARNER 31716 FEEDER CONVERSION	C049979	0	0	0	0
		KARNER 31717 FEEDER CONVERSION	C049980	0	0	0	0
		KARNER 31718 FEEDER CONVERSION	C049984	0	0	0	0
		KARNER 31719 FEEDER CONVERSION	C049982	0	0	0	0
		KARNER- RUTH RD RECONDUCTING 477	C049989	0	0	0	0
		KARNER-PINEBUSH CONVERSION	C052308	0	0	0	0
		LASHER RD - NEW STATION - DIST GET	CD00897	368,000	366,930	0	0
		LASHER ROAD - 52 FEEDER OH - PH 1	C068326	315,183	492,000	315,000	0
		LASHER ROAD - 53 FEEDER OH - PH 1	C068327	0	0	985,000	0
		LASHER ROAD - 53 FEEDER OH - PH 2	C068346	0	0	0	585,000
		LASHER ROAD - 53 FEEDER OH - PH 3	C068347	0	0	0	0
		LASHER ROAD - GETAWAY CABLE	C068348	172,000	171,700	0	0
		MACHIAS F1362 REPLACE STEEL WIRE	C056619	0	0	0	10,500
		MIDDLEBURGH 51 - ROUTE 145 EXTEND/C	CD01010	0	0	0	1,104,000
		MOD SWITCH "WHIP DESIGN" ARP	C051948	4,850	0	0	0
		MV-ROME 76254-HWY 49 RECONDUCTOR	C050005	0	0	0	320,000
		NEW HARPER SUBSTATION D LINE	C046417	0	0	0	0
		NIAGARA FALLS NETWORK RETIREMENT	C046502	0	127,500	0	0
		NORTON STREET UG CIVIL REBUILD	C050138	0	383,350	0	0
		NR-T.I.81452-COUNTY ROUTE 100-OVERL	CD01132	72,000	0	0	0
		NY GE BUTYL RUBBER PT REPLACEMENT	C051745	78,183	0	0	0
		OHIO ST - BUFFALO RIVER TUNNEL/BORE	C050400	3,710,250	0	0	0
		RECLOSER COMMINCATONS - WEST	C065009	403,590	485,100	0	0
		RECLOSER COMMUNICATION SUBS CENTRAL	C074646	6,375	0	0	0
		RECLOSER COMMUNICATIONS - CENTRAL	C065011	931,920	666,270	0	0
		RECLOSER COMMUNICATIONS - EAST	C065010	951,390	666,270	0	0
		RECLOSER COMMUNICATIONS SUBS EAST	C074645	25,500	0	0	0
		RECLOSER COMMUNICATIONS SUBS WEST	C074648	4,250	0	0	0
		SHORE RD 28185 - SARATOGA RD CONVER	C054836	18,250	524,140	0	0
		STATION 01 - REMOVE 25 CYCLE FEEDER	C046624	0	18,950	3,080	0
		STATION 05 - 25 CYCLE FEEDER 0528 R	C046623	0	18,950	2,450	0
		STATION 06 - 25 CYCLE FEEDER REMOVA	C046622	0	18,950	3,080	0
		STATION 08 - 25 CYCLE FEEDER REMOVA	C046625	160	170	0	0
		STATION 56 NEW FEEDERS GETAWAY	C057826	174,600	0	0	0
		STATION 66 (UNION RD) REBUILD - DLI	CD00685	12,000	440,000	0	0
		TERMINAL STATION RELOCATION_DLINE	C059671	0	0	50,000	100,000
		TONAWANDA - F7128 REMOVAL	C036206	2,600	2,600	0	0
		TULLER HILL DLINE-13KV GETAWAY	C064446	25,333	50,000	0	0
	D/SUB T_Asset Replacement Total			9,554,315	5,685,972	2,346,260	5,046,170
	D/SUB T_Blanket	CENT NY-DIST-ASSET REPLACE BLANKET	CNC0017	1,974,960	2,015,000	2,015,000	2,055,000
		CNY-DIST-SUBSTN ASSET REPL BLNKT	CNC0026	0	7,000	7,000	7,000
		EAST NY-DIST-ASSET REPLACE BLANKET	CNE0017	1,995,000	2,035,000	2,035,000	2,076,000
		WEST NY-DIST-ASSET REPLACE BLANKET	CNW0017	2,763,000	2,818,000	2,818,000	2,875,000
	D/SUB T_Blanket Total			6,732,960	6,875,000	6,875,000	7,013,000
	D/SUB T_Buffalo St Light Cable Repl	BUFFALO STREET LIGHT CABLE REPLACEM	CD00851	2,199,912	2,208,245	2,208,245	2,208,245
	D/SUB T_Buffalo St Light Cable Repl Total			2,199,912	2,208,245	2,208,245	2,208,245
	D/SUB T_Inspection $ Maintenance	I&M - NC D-LINE OH WORK FROM INSP	C026160	10,899,460	10,016,640	10,016,640	10,016,640
		I&M - NC D-LINE UG WORK FROM INSP	C026163	499,500	500,240	500,240	500,240
		I&M - NE D-LINE OH WORK FROM INSP	C026159	13,499,820	15,138,000	15,138,000	15,138,000
		I&M - NE D-LINE UG WORK FROM INSP	C026162	484,536	480,125	474,978	474,978
		I&M - NW D-LINE OH WORK FROM INSP	C026161	13,500,108	14,037,060	14,037,060	14,037,060
		I&M - NW D-LINE UG WORK FROM INSP	C026164	540,224	535,072	529,920	529,920
		OTTEN 41213- CRUSHER HILL RD	C053629	98,600	0	0	0
	D/SUB T_Inspection $ Maintenance Total			39,522,248	40,707,137	40,696,838	40,696,838
	D/SUB T_Ntwk Secondary UG Cable Repl	NETWORK SECONDARY CABLE REPLACEMENT	C052903	240,000	3,000,000	3,000,000	3,000,000
			C052923	150,000	150,400	150,400	150,400
			C052924	240,000	4,000,000	4,000,000	4,000,000
		TROY LVAC NETWORK - WILLIAM ST	CD00628	112,800	0	0	0
	D/SUB T_Ntwk Secondary UG Cable Repl Total			742,800	7,150,400	7,150,400	7,150,400
	D/SUB T_Primary UG Cable Replacement	BUTLER 53 - BUILD 36253 FEEDER - UG	C028878	0	0	0	115,020
		CURRY RD 36552 UG GETAWAY REPLACE	C056406	0	289,850	0	0
		GROOMS 55 - DEER RUN CABLE REPLACE	C065947	0	140,000	0	0
		HAGUE RD 53 - SUBMARINE CABLE.	C050522	0	0	75,000	2,000,000
		Island Transformer & Submarine Cable Program	C026977	0	0	500,000	500,000
		NEW KRUMKILL 42153 - UG GETAWAY REP	C046648	0	350,200	0	0
		RIVERSIDE 28855 UG CABLE REPLACEME.	C036468	0	1,203,200	1,100,000	1,196,800
		SCHROON 51 - SUBMARINE CABLE REPAIR	C050333	0	0	76,500	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	D/SUB T_Primary UG Cable Replacement Total			0	1,983,250	1,751,500	3,811,820
	D/SUB T_Sta Metal-Clad Switchgear	AVENUE A 291 METALCLAD REPLACEMENT	C056609	0	0	490,000	1,600,500
		CHRISLER REBUILT STATION - STATION	C068290	0	1,049,540	3,500,000	3,499,760
		DELMAR DISTRIBUTION REMOVAL	C050241	0	0	0	0
		DELMAR STATION RETIREMENT	C049692	0	0	0	0
		EMMET ST - REPL TB1 AND MCLAD	C017952	0	0	0	63,000
		HOPKINS 253 - REPLACE METALCLAD GEA	C046741	150,000	2,789,630	2,750,000	760,000
		HOPKINS RD METALCLAD REPL DLINE	C054383	15,000	219,620	147,050	0
		JOHNSON RD - REPLACE METALCLAD GEAR	C046747	0	0	0	327,000
		MARKET HILL SUBSTATION RETIREMENT	C046367	0	0	1,000	0
		MCKNOWNVILLE 327 METALCLAD REPLACEM	C056612	0	0	0	150,000
		NEW MAPLE AVE SUBSTATION	C073527	150,000	750,000	3,500,000	3,350,000
		PINE GROVE METALCLAD REPLACEMENT	C056614	0	0	0	0
		PINEBUSH - REPLACE METALCLAD GEAR	C046744	0	0	0	0
		STATION 140 METALCLAD REPLACEMENT	C056616	0	0	0	0
		STATION 162 METALCLAD REPLACEMENT	C052706	0	0	0	232,800
		STATION 61 - METALCLAD REPLACEMENT	C051707	0	0	0	150,000
		TULLER HILL 246 UNIT METALCLAD REPL	C056611	0	1,500,000	672,210	0
		WHITESBORO 632 - RETIREMENT	C046742	0	0	10,000	10,000
	D/SUB T_Sta Metal-Clad Switchgear Total			315,000	6,308,790	11,070,260	10,143,060
	D/SUB T_Substation Battery&Related	BATTS/CHARG- NY CENTRAL	C032013	291,000	291,000	291,000	291,000
		BATTS/CHARG- NY WEST	C032014	436,500	242,500	97,000	339,500
		BATTS/CHARG--NY EAST	C032012	199,820	199,820	199,820	199,820
	D/SUB T_Substation Battery&Related Total			927,320	733,320	587,820	830,320
	D/SUB T_Substation Breaker	NC ARP BREAKERS & RECLOSERS	C032253	606,466	618,128	628,819	628,819
		NE ARP BREAKERS & RECLOSERS	C032252	631,735	635,623	647,285	647,285
		NW ARP BREAKERS & RECLOSERS	C032261	650,202	650,202	650,202	650,202
		PEAT ST - REPLACE R825 OCB	C049550	0	303,610	0	0
	D/SUB T_Substation Breaker Total			1,888,402	2,207,563	1,926,306	1,926,306
	D/SUB T_Substation Indoor	BEECH ST 81 - INDOOR SUBSTATION REF	C046577	0	0	0	0
		BUFFALO STATION 30 - REBUILD - FDRS	C015754	0	0	0	86,000
		BUFFALO STATION 30 REBUILD - STA	C046519	0	0	0	0
		BUFFALO STATION 34 REBUILD - LINE	C046932	0	0	0	0
		BUFFALO STATION 37 REBUILD - LINE	C033477	100,000	0	0	0
		BUFFALO STATION 37 REBUILD - SUB	C033474	1,528,550	0	0	0
		BUFFALO STATION 53 REBUILD - LINE	C046929	0	86,000	600,100	600,100
		BUFFALO STATION 53 REBUILD - SUB	C046945	0	0	93,000	1,753,700
		BUFFALO STATION 59 REBUILD - LINE	C033478	250,800	0	0	0
		BUFFALO STATION 59 REBUILD - SUB	C033475	3,983,790	1,265,850	0	0
		EIGHTH ST 80 - INDOOR SUBSTATION RE	C046585	0	0	0	0
		EIGHTH ST 80 - SUB REFURB D-LINE	C046586	0	0	19,400	194,000
		ELEVENTH ST 82 - INDOOR SUBSTATION	C046582	0	0	0	0
		STEPHENSON 85 - SUB REFURB D-LINE	C046580	0	0	0	0
		WELCH 83 - SUB REFURB D-LINE	C046584	0	0	0	20,000
	D/SUB T_Substation Indoor Total			5,863,140	1,351,850	712,500	2,653,800
	D/SUB T_Substation Mobile	MOBILE SUBSTATION 2E - REPLACEMENT	C046666	0	0	0	1,000,070
		MOBILE SUBSTATION 4E - REFURBISH AN	C046667	0	400,000	400,000	0
		NY MOBILE SUBSTATION PROGRAM	C051744	0	0	776,000	0
		NYC & NYW MOBILE SUB 115KV/12MVA	C066487	1,316,000	384,000	0	0
		REBUILD 6W MOBILE SUBSTATION	C066566	400,000	400,000	0	0
	D/SUB T_Substation Mobile Total			1,716,000	1,184,000	1,176,000	1,000,070
	D/SUB T_Substation Power Transformer	ALTAMONT TB1 REPLACEMENT	C066227	400,000	3,105,000	45,000	0
		BUTLER SUBSTATION INSTALL BUS PTS	C070010	10,000	0	0	0
		CUYLER24 DSUB STATION REMOVAL	C036102	7	845	0	0
		EAST DUNKIRK STA 63 TB REPLACEMENTS	C066266	1,216,063	22,477	0	0
		GALEVILLE 71,72&73 FDRS CONVERSION	C050749	0	0	0	0
		GALEVILLE STATION REBUILD	C050746	0	0	0	0
		GROOMS RD TRANSFORMER REPLACEMEMT	C051706	2,616,000	0	0	0
		IE - NY ARP TRANSFORMERS	C025801	0	899,190	899,190	899,190
		NY ARP SPARE SUBSTATION TRANSFORMER	C026055	0	599,460	599,460	599,460
		ROCK CITY STATION 623 - TRANSFORMER	C046671	0	50,000	600,000	700,000
		STATE ST 954 STATION RETIREMENT	C050640	1,050	10,500	9,450	0
		STATION 124 - ALMEDA AVE TRANSFORME	C046670	0	463,660	2,583,110	354,050
	D/SUB T_Substation Power Transformer Total			4,243,119	5,151,132	4,736,210	2,552,700
	D/SUB T_Substation Relay	RIVERSIDE RELAY REPLACEMENT	C049606	752,073	0	0	0
		TEMPLE RELAY REPL FOR ASH ST LINE	C055184	285,000	0	0	0
		TEMPLE STATION RELAY REPLACEMENT	C049616	568,420	0	0	0
		TRINITY STATION RELAY REPLACEMENT	C049625	751,750	0	0	0
	D/SUB T_Substation Relay Total			2,357,243	0	0	0
	D/SUB T_Sub-T Overhead Line	L867 UNDERBUILT DISTRIBUTION	C057047	0	130,000	130,000	0
		M&T L701- TRANSFER DIST UNDERBUILD	C054366	0	0	0	0
	D/SUB T_Sub-T Overhead Line Total			0	130,000	130,000	0
	Dist Overhead Line	MAPLE AVE - CONVERT 32422 & 32423	C069913	0	0	0	25,000
		MAPLE AVE - NEW FEEDER 51	C069907	0	0	20,000	390,040
		MAPLE AVE - NEW FEEDER 52 PART 2	C069909	0	0	30,000	600,000
		MAPLE AVE - NEW FEEDER 52 PART 3	C069910	0	0	34,000	667,152
		MAPLE AVE - NEW FEEDER 52/53 PART 1	C069908	0	0	17,000	338,067
		MAPLE AVE - NEW FEEDER 53 PART 2	C069911	0	0	5,000	100,000
		MAPLE AVE - NEW FEEDER 54	C069912	0	0	25,000	0
		MAPLE AVE FEEDER GETAWAYS - CABLE	C069906	0	0	750,000	0
		MAPLE AVE FEEDER GETAWAYS - CIVIL	C046479	0	0	600,210	0
	Dist Overhead Line Total			0	0	1,481,210	2,120,259
	Substation Circuit Switcher	OGDENBROOK 115KV CKT SWITCHER 6177	C072491	0	0	0	180,005
	Substation Circuit Switcher Total			0	0	0	180,005
Asset Condition Total				76,062,460	81,676,659	82,848,549	87,332,993
	3rd Party Attachments	Broadband for All	C075964	2,268,240	0	0	0
		TWC in support of Broadband for All	C077091	2,011,620	0	0	0
	3rd Party Attachments Total			4,279,860	0	0	0
	D/SUB T_Blanket	CENT NY-DIST-3RD PARTY ATTCH BLANKT	CNC0022	1,102,920	1,125,000	1,125,000	1,148,000
		CENT NY-DIST-METER BLANKET	CNC0004	1,414,920	1,441,000	1,443,000	1,370,000
		CENT NY-DIST-NEW BUS-COMM BLANKET	CNC0011	4,314,000	4,400,000	4,400,000	4,488,000
		CENT NY-DIST-NEW BUS-RESID BLANKET	CNC0010	8,851,000	9,028,000	9,028,000	9,209,000
		CENT NY-DIST-PUBLIC REQUIRE BLANKET	CNC0013	1,545,960	1,577,000	1,577,000	1,608,000
		CENT NY-DIST-ST LIGHT BLANKET	CNC0012	2,275,920	2,976,305	2,976,305	3,022,305
		EAST NY-DIST-3RD PARTY ATTCH BLANKT	CNE0022	720,000	734,000	734,000	749,000
		EAST NY-DIST-METER BLANKET	CNE0004	2,011,920	2,050,000	2,052,000	1,991,000
		EAST NY-DIST-NEW BUS-COMM BLANKET	CNE0011	4,801,920	4,898,000	4,898,000	4,996,000
		EAST NY-DIST-NEW BUS-RESID BLANKET	CNE0010	7,872,000	8,029,000	8,029,000	8,190,000
		EAST NY-DIST-PUBLIC REQUIRE BLANKET	CNE0013	1,431,000	1,460,000	1,460,000	1,489,000
		EAST NY-DIST-ST LIGHT BLANKET	CNE0012	1,432,920	1,873,950	1,873,950	1,902,950
		LAND AND LAND RIGHTS NY CENTRAL	CNC0091	1,443,960	1,480,000	1,473,000	1,502,000
		LAND AND LAND RIGHTS NY EAST	CNE0091	1,233,960	1,265,000	1,259,000	1,284,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
Customer Requests/Public Requirements		LAND AND LAND RIGHTS NY WEST	CNW0091	453,960	465,000	463,000	472,000
		NIMO METER PURCHASES	CN03604	5,628,960	5,742,000	5,427,000	4,589,000
		NIMO TRANSFORMER PURCHASES	CN03620	20,274,000	20,500,000	20,679,000	21,093,000
		RISK RESERVE	C077093	(4,279,860)	0	0	0
		WEST NY-DIST-3RD PARTY ATTCH BLANKT	CNW0022	648,960	662,000	662,000	675,000
		WEST NY-DIST-METER BLANKET	CNW0004	1,597,920	1,628,000	1,630,000	1,561,000
		WEST NY-DIST-NEW BUS-COMM BLANKET	CNW0011	4,267,920	4,353,000	4,353,000	4,400,000
		WEST NY-DIST-NEW BUS-RESID BLANKET	CNW0010	5,175,000	5,279,000	5,279,000	5,384,000
		WEST NY-DIST-PUBLIC REQUIRE BLANKET	CNW0013	1,071,000	1,092,000	1,092,000	1,114,000
		WEST NY-DIST-ST LIGHT BLANKET	CNW0012	3,247,920	4,246,745	4,246,745	4,312,745
	D/SUB T_Blanket Total			78,538,180	86,305,000	86,160,000	86,550,000
	D/SUB T_New Business	BIRCH AVE 51 - ROUTE 9N CONVERSION	C053127	0	180,200	0	0
		EAST BATAVIA SUBSTATION - DLINE UPG	CD00587	0	0	280,000	0
		F18151 CONVERSION BUSH RD	C063987	0	0	0	233,350
		NEW LED CENTRAL NY	C069886	2,509,000	2,509,000	2,509,000	2,509,000
		NEW LED EAST NY	C069947	2,021,500	2,021,500	2,021,500	2,021,500
		NEW LED WEST NY	C069927	2,439,500	2,439,500	2,439,500	2,439,500
		OAK RUN ESTATES URD F10551 CONVSN	C055125	0	325,130	0	0
		RESERVE FOR NEW BUSINESS COMMERCIAL	C046920	6,999,720	7,140,000	7,282,000	7,428,000
		RESERVE FOR NEW BUSINESS RESIDENTIA	C046921	5,999,670	6,120,000	6,242,000	6,367,000
	D/SUB T_New Business Total			19,969,390	20,735,330	20,774,000	20,998,350
	D/SUB T_Public Requirements	BROADWAY, SCHENECTADY STREETSCAPE	C072766	103,320	0	0	0
		BUFFALO MUNICPAL HSING AUTH BUFFALO	C071198	0	0	0	0
		LEHIGH ADD 2ND TRANSFORMER	C074607	3,056,147	900,000	0	0
		PIN 1085.42 RT 146 / MOHAWK	C057859	212,500	0	0	0
		PIN 1460.32 RT 32 OVER MOHAWK RIVER	C054068	0	577,800	0	0
		PIN 1760.11 GEYSER RD TRAIL DESIGN	C074671	175,100	0	0	0
		PIN1085.33 HAMBURG STREET ROUTE 14	C074647	799,850	0	0	0
		RESERVE FOR PUBLIC REQUIREMENTS UNI	C046922	5,908,140	8,607,000	8,779,000	8,954,000
	D/SUB T_Public Requirements Total			10,255,057	10,084,800	8,779,000	8,954,000
	Meter Installations	ADVANCED METERS NYC	C077177	0	0	0	0
		ADVANCED METERS NYE	C077176	0	0	0	0
		ADVANCED METERS NYW	C077178	0	0	0	0
	Meter Installations Total			0	0	0	0
Customer Requests/Public Requirements Total				113,042,487	117,125,130	115,713,000	116,502,351
Damage/Failure	D/SUB T_Blanket	CENT NY-DIST-DAMAGE/FAILURE BLANKET	CNC0014	11,862,000	12,918,000	12,244,000	12,489,000
		CENT NY-DIST-SUBS BLANKET	CNC0002	675,943	690,000	690,000	703,000
		EAST NY-DIST-DAMAGE/FAILURE BLANKET	CNE0014	12,826,920	14,680,000	13,236,000	13,500,000
		EAST NY-DIST-SUBS BLANKET	CNE0002	939,305	958,230	958,086	977,175
		WEST NY-DIST-DAMAGE/FAILURE BLANKET	CNW0014	8,808,000	8,985,000	8,985,000	9,165,000
		WEST NY-DIST-SUBS BLANKET	CNW0002	815,479	1,116,000	832,000	849,000
	D/SUB T_Blanket Total			35,927,648	39,347,230	36,945,086	37,683,175
	D/SUB T_Damage Failure Other	ASH ST_LVAC_TRANS_N46179-FAILURE	C074903	100,000	0	0	0
		BURGOYNE TB2 REPLACEMENT	C070347	170,000	0	0	0
		DEBALSO CKT SW18 AND BATTERIES D/F	C076663	30,000	0	0	0
		HENRY ST SUB STATION TRANSFORMER	C069551	35,400	0	0	0
		RESERVE FOR DAMAGE/FAILURE UNIDENTI	C046918	1,000,080	1,989,000	2,029,000	2,069,000
			C046948	6,119,623	6,242,361	6,366,918	6,495,110
	D/SUB T_Damage Failure Other Total			7,455,103	8,231,361	8,395,918	8,564,110
Damage/Failure Total				43,382,751	47,578,591	45,341,004	46,247,285
Non-Infrastructure	D/SUB T_Blanket	CENT NY-GENERAL-GENL EQUIP BLANKET	CNC0070	676,999	876,000	691,000	704,000
		EAST NY-GENL EQUIP BUDGETARY RESERV	CNE0070	717,000	830,000	731,000	746,000
		WEST NY-GENERAL-GENL EQUIP BLANKET	CNW0070	823,999	840,000	840,000	857,000
	D/SUB T_Blanket Total			2,217,998	2,546,000	2,262,000	2,307,000
Non-Infrastructure Total				2,217,998	2,546,000	2,262,000	2,307,000
	Advanced Distribution Automation (ADA)	NY FLISR CENTRAL - D-LINE	C076104	0	0	0	0
		NY FLISR EAST - D-LINE	C076101	0	0	0	0
		NY FLISR WEST - D-LINE	C076106	0	0	0	0
	Advanced Distribution Automation (ADA) Total			0	0	0	0
	CIP	ADD UFLS RELAY TO BUFFALO ST 129	C075810	0	0	0	0
		ADD UFLS RELAY TO BUFFALO ST 21	C075802	33,000	148,611	0	0
		ADD UFLS RELAY TO BUFFALO ST 23	C075803	0	33,000	167,906	0
		ADD UFLS RELAY TO BUFFALO ST 33	C075809	0	0	0	0
		ADD UFLS RELAY TO BUFFALO ST 43	C075805	0	0	0	33,000
		ADD UFLS RELAY TO BUFFALO ST 54	C075807	0	0	0	33,000
		ADD UFLS RELAY TO BUFFALO ST 68	C075804	0	0	33,000	169,245
		ADD UFLS RELAY TO CLINTON	C075847	0	0	0	28,000
		ADD UFLS RELAY TO DELMAR	C076962	0	0	0	0
		ADD UFLS RELAY TO MIDDLEBURG	C075850	0	0	0	0
		ADD UFLS RELAY TO NEW KRUMKILL	C075843	0	28,312	138,364	0
		ADD UFLS RELAY TO PROSPECT HILL	C075846	0	0	0	28,000
		ADD UFLS RELAY TO SYCAWAY	C075844	33,000	104,572	0	0
		ADD UFLS RELAY TO WOLF ROAD	C075845	0	0	33,000	142,513
	CIP Total			66,000	314,495	372,270	433,758
	D/SUB T_Blanket	CENT NY-DIST-RELIABILITY BLANKET	CNC0015	1,641,000	1,674,000	1,674,000	1,707,000
		EAST NY-DIST-RELIABILITY BLANKET	CNE0015	1,794,960	1,831,000	1,831,000	1,868,000
		WEST NY-DIST-RELIABILITY BLANKET	CNW0015	1,854,000	2,063,000	1,891,000	1,929,000
	D/SUB T_Blanket Total			5,289,960	5,568,000	5,396,000	5,504,000
		*BROOK RD 52 - LEWIS RD CONVERSION	C049761	0	0	111,780	0
		*BROOK RD 57 - BRAIM RD CONVERSION	C049791	42,500	0	0	0
		*BURGOYNE 51 - COUNTY HWY 41	C049790	0	0	27,000	0
		*CHURCH ST 53 - CNTY HWY 132 CONVRT	C049652	0	0	0	602,640
		*FARNAN RD 51 - BLUEBIRD ROAD	C029431	0	0	490,400	0
		*FLORIDA-STONER FEEDER TIE	C050438	0	0	0	1,500,000
		*GROOMS RD 34556 - RTE 146 RECONDUC	C050105	0	0	190,400	0
		*MCCLELLAN 51 - UNION ST CONVERSION	C050085	0	499,770	500,000	0
		*MIDDLEBURGH 51 - MALLON ROAD	C049758	0	0	0	153,000
		*MUMFORD 5052 - RECONDUCTOR/CONVERT	C049885	0	0	490,000	0
		*NR-BREMEN 81556-BEECH HILL RD	C049789	547,200	550,000	0	0
		*NR-HIGLEY 92451-JOE INDIAN AREA	C049745	0	440,000	0	0
		*NR-HIGLEY 92451-NYS HWY 56-FDRTIE	C046864	255,000	0	0	0
		*NR-HIGLEY 92451-NYSHWY56_NUMBER9	C046865	42,500	0	0	0
		*NR-PARISHVILLE 93961-RELOCATE FDR	C049751	0	0	0	396,100
		*ROSA RD 57-BALLTOWN RD CONVERSION	C050084	0	345,000	0	0
		*SHARON 52 - STATE ROUTE 145	C049792	0	0	0	10,400
		*UNION ST. 53/54 - ROUTE 22 TIE	C056620	0	0	191,700	0
		*VAIL MILLS 53 - UNION MILLS RD.	C019352	0	0	0	0
		AMSTERDAM 51/53 WIDOW SUSAN AREA	C028835	0	0	0	306,850
		ASHLEY 51 - BALDWIN CORNERS RD PH3	CD01117	0	0	112,000	0
		BATTENKILL 56 - COUNTY HWY 46 ERR	C060327	0	90,300	0	0
		BATTENKILL 56 ERR FUSING	C060285	0	0	0	0
		BOLTON 51/WARRENSBURG 51 FEEDER TIE	CD00606	0	1,000,000	0	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
Reliability	D/SUB T_ERR_Eng Reliability Review	BROOK RD 54 - ROUTE 50 CONVERSION	C048584	0	0	0	717,400
		BURDECK 26552 - WESTCOTT / CURRY RD	CD01226	0	0	0	0
		BURDECK 52 ERR FUSING	C060686	0	150,410	0	0
		BURDECK 54 - DUANESBURG RD CONVERT	C056558	0	0	17,500	280,000
		BURGOYNE 51 - CLOSE GAPS ON COUNTY	CD00208	0	0	76,680	0
		CENTER ST 52 - HICKORY HILL RD CONV	C056808	0	0	312,200	0
		CENTER ST 54 - HYNEY HILL ROAD REBU	CD00357	0	0	200,000	0
		CHRISLER AVE 25735 CONVERSION	C057133	0	14,400	300,240	0
		CHRISLER AVE 25737 CONVERSION	C057132	0	20,160	400,320	400,320
		CHRISLER REBUILT STATION - DIST GET	C064766	0	200,000	200,000	0
		CLINTON 36653-54 CONVERSION TIE	C053628	0	0	249,900	0
		CURRY RD 52 - ALTAMONT 55 TIE	C057249	0	0	81,200	0
		EPHRATAH 31 - MUD RD RELOCATION	C056866	0	70,000	0	0
		FLORIDA 51 - FORT HUNTER ROAD	C050693	0	0	0	0
		FLORIDA 51 - MEAD ROAD	C050692	0	0	0	0
		FRONT ST 52 - SCHERMERHORN ST RECON	C056746	0	0	0	0
		LYNN 55 - WEAVER ST 51 TIE CONVRT	C055708	0	208,600	0	0
		MIDDLEBURG 51 - SCHOHARIE CREEK REM	C056970	7,000	33,600	0	0
		MIDDLEBURGH 51 - SPUR RD RELOCATE	C056987	46,200	0	0	0
		NR_LYME 73351_T.I. 81455-NYSHWY12E_	CD01295	447,200	0	0	0
		NR_T.I. 81455-BREEZEY PINES RD-OVER	CD01137	67,200	0	0	0
		NR-92759-MT PISGAH RD-RELOCATION	C050201	265,200	0	0	0
		NR-BRADY 95757-RIVERSIDE DR-FDRTIE	CD01191	580,000	0	0	0
		NR-T.I.81458-COUNTY ROUTE 1-FDRTIE	CD01187	0	0	230,400	0
		OGDENBROOK 51 - COTTAGE HILL RD	C054983	0	0	100,000	0
		REYNOLDS RD 33455 CONVERSION	C046683	0	134,400	0	0
		SCHOHARIE 52 - STATE ROUTE 443 REBU	CD00424	0	0	298,400	0
		ST JOHNSVILLE - SANDERS ROAD (ERR)	C029439	0	0	0	372,000
		UNION ST 52 - BROWNELL RD. REBUILD	C056657	0	0	0	91,200
		UNION ST 52 - CONTENT FARM RD.	C056710	0	0	110,040	0
		UNION ST 54 - LINCOLN HILL RD PH 1	C056625	0	0	117,040	0
		VAIL MILLS 52 - COUNTY HWY 16 CONVT	C055530	0	0	196,000	0
		VAIL MILLS 52 - HONEYWELL CORNERS	C055707	0	0	225,000	0
		WEAVER 51 - CRANE & FRANCIS CONVERS	C057129	20,000	0	0	0
		WEAVER 51 - PLEASANT ST CONVERSION	C057110	0	322,630	0	0
	D/SUB T_ERR_Eng Reliability Review Total			2,320,000	4,079,270	5,228,200	4,829,910
	D/SUB T_Reliability	*BETHLEHEM 02155 GLENMONT RD CONV	C049990	0	0	203,310	0
		*BLUE STORES 30352 - CONVERSION	C050107	0	0	699,840	0
		*BYRON F1863 - REBUILD /RECONDUCTOR	C049762	0	0	0	819,200
		*CREATE FULL TIE F15351 TO F15352	C049720	0	0	0	16,000
		*CREATE FULL TIE F18251 TO F18254	C049882	0	0	0	16,000
		*CREATE FULL TIE F9354 TO F9353	C049783	0	356,000	0	0
		*E.GOLAH 5157 TIE W/LAKEVILLE 19752	C049880	0	0	0	16,000
		*HOOSICK 31451 - CONVERSION	C050082	0	0	199,750	0
		*HOOSICK 31452 CONVERSION- HIGH ST.	C050083	0	0	585,630	0
		*HUDSON 08753 - RTE 9G CONVERSION	C050108	0	0	544,850	0
		*MENANDS 10151 / 52 RELOCATIONS	C049998	0	750,360	0	0
		*MIDDLEPORT F7765 TIE W/SHELBY 7656	C049711	0	0	0	16,000
		*NR_76462-CORTE28-REBUILD	C049197	400,000	0	0	0
		*RBLD/CONV F15352 TO FULL TIE F6353	C049878	0	500,000	0	0
		*RBLD/CONV TO CREATE TIE F7652-7651	C049802	0	0	16,000	440,000
		*REBUILD DARIEN F1662 LIMITED TIE	C049634	0	0	16,000	20,000
		*REBUILD PORTION OF E.OTTO F2861	C049718	0	0	16,000	224,000
		*REBUILD PORTIONS OF CATT. F1562	C049686	0	0	0	0
		*SELKIRK 14951 -THATCHER/RIVER CONV	C049985	0	0	10,530	511,110
		*SELKIRK 52/ BETH 58-CREBLE RD CONV	C050001	0	0	258,400	0
		*TRINITY 16458 - MCCARTY AVE CONV	C050000	0	0	10,530	318,330
		*TRINITY 52- DELAWARE/PARK AVE CONV	C049999	0	172,550	0	0
		*WEIBEL 56 - WALL STREET REBUILD	C051325	0	0	0	11,440
		81452-HOPEWELL HALL ROAD REBUILD	C054910	0	0	144,500	0
		81453-ELLIS ROAD REBUILD&RELOCATION	C054930	0	0	0	96,000
		81458 DINGMAN POINT ROAD REBUILD_RR	C054533	0	0	76,800	0
		89552 DYKE ROAD - REBUILD	C052447	0	0	326,400	0
		BAILEYSETTLEMENT-GORE RD_REBUILD	C054583	0	0	332,000	0
		BATTENKILL 58 - CAMBRIDGE RD	C053182	0	0	125,800	0
		BOLTON 51 - TROUT LAKE RD 3 PHASE	C049560	499,800	0	0	0
		BROOK ROAD 54 - OLD BALLSTON AVE.	C068126	0	0	0	85,800
		BROOK ROAD 55 - LAKE DESOLATION RD	C050691	0	0	0	294,400
		BUCKEY RD RETIREMENT	C070507	40	0	0	0
		CAMILLUS DSUB	C046637	0	0	0	0
		CHURCH ST 56 - CONVERT VROOMAN AVE	C048241	0	266,050	0	0
		CIP V5-C&I (NMPC LOW) NY EAST	C075755	115,000	0	0	0
		CIP V5-C&I (NMPC-LOW) NY WEST	C075756	10,000	0	0	0
		CLINTON 53 - BAUM & BURRELL ROADS	C050684	0	0	0	0
		CORINTH 52-MAIN ST REBUILD/CONVERT	C058899	0	0	112,200	0
		CR- LHH 44 2012 NYS PSC ACTION ITEM	CD00953	0	0	348,800	0
		CR- LHH44-N OSCEOLA RD	C055443	0	0	192,000	0
		CR- LORDS HILL 66 RECONDUCTORING	C054563	0	0	303,200	0
		CR- NILES 51 DOLPHIN POINT QRS	C053106	0	0	300,050	0
		CR- SANDY CREEK 51 WART RD REBUILD	C050679	0	0	98,600	0
		CR- WINE CREEK 53 TIE	C055690	0	0	275,200	0
		DELAMETER F9352 RECONFIGURED LAYOU	C047886	0	0	766,400	412,800
		EAST FULTON DEMO	C046630	0	0	0	10,050
		F0153 - WALKER RD PIW	C048179	0	0	0	148,000
		F0456/0457 BUILD FEEDER TIE	C049540	0	0	0	500,000
		F22652_KNAPP RD - STORM HARDENING	C052066	0	0	0	700,000
		F4361 PIW - LITTLEVILLE ROAD	C047870	0	0	149,600	0
		F9263 - ROUTE 31 PIW	C049084	0	0	200,000	0
		F9354 NEW TIE	C056867	0	0	0	0
		FORT GAGE 54 - ROUTE 9L REBUILD	C050680	0	999,600	0	0
		GROVELAND ST. F4161 - SMALL WIRE	C049909	0	0	304,000	0
		HINSDALE DSUB	C046638	0	0	13,200	0
		KNAPP RD 22651 FEEDER TIE	C028716	0	0	0	0
		LAND-WATERTOWN - GREENFIELD SUBSTA	C061245	0	50,000	100,000	0
		LEHIGH ADD 2ND BANK D-LINE	C074946	250,000	0	0	0
		LITTLE RIVER NEW 95555 FEEDER	C050922	15,000	0	0	0
		MIDDLEBURGH 51/SCHOHARIE 51 LS	C050764	0	0	0	0
		MIDDLEPORT ST F7765- SMALL WIRE -2	C049905	0	216,000	0	0
		MILITARY RD NEW FEEDER 21055	C036566	0	41,000	364,500	0
		MILL ST_LVAC_2014 UPGRADES-N-2	C053903	0	0	155,200	500,000
		MILL ST_LVAC_2014_UPGRADES-N-1	C054385	0	104,800	280,000	0
		MV-LEHIGH 51 & 54 TIE CREATION	C050004	0	0	0	328,050

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		MV-POLAND 62258 ROUTE 8 RECONDUCTO	CD00885	0	0	0	0
		MV-ROME 54 -HOGSBACK RD RECONDUCTOR	C050097	0	0	0	130,400
		MV-ROME 54-LAUTHER RD - RECONDUCTOR	C050086	0	0	0	432,800
		MV-TURIN 65355 & 56 TIE CREATION	C050002	0	0	700,000	700,000
		N LEROY F0455 - LINWOOD ROAD PIW	C056629	0	0	0	14,000
		NEW CICERO SUBSTATION DLINE	C046476	0	50,000	125,000	2,000,000
		NEW CICERO SUBSTATION DSUB	C046475	150,000	570,000	2,688,500	6,611,220
		NEW DIST SUB - TONAWANDA NYW DSUB	C051266	1,500,000	4,514,000	2,500,000	300,000
		NEW DIST SUB -TONAWANDA NYW DLINE	C051265	501,490	787,640	21,000	0
		NORTH BANGOR CONVERSION (D-LINE)	C046418	0	0	0	400,000
		NORTH BANGOR NEW 34.5/13.2KV STATIO	C046423	0	0	0	0
		NORTH CREEK 52 - CONVERT ROUTE 28	C050685	141,950	0	0	0
		NORTH CREEK 52 - EDWARDS HILL ROAD	C050688	0	0	166,400	0
		NORTH CREEK 52 - PEACEFUL VALLEY RD	C049622	0	0	499,800	0
		NORTH TROY 12353 - MSH - RELOCATION	C058224	0	270,400	0	0
		NR-LOWVILLE-SW528 REPLACEMENT	CD00959	2,790	0	0	0
		NR-RIVERVIEW 84762-FRENCH RD-RBLD	C050183	175,100	0	0	0
		NY - EAST_1 PH CUTOUT MOUNTED RCLRS	C053928	0	102,234	102,234	102,234
		NY_CENTRAL_1PH_CUTOUT_MNT_RECLOSER	C059620	0	102,234	102,234	102,234
		NY_WEST_1 PH CUTOUT MNTED RECLOSERS	C059607	0	102,234	102,234	102,234
		OGDENBROOK 51-CONVERT AVIATION ROAD	C053381	0	0	0	0
		OLD HAWKEYE ROAD RELOCATION-84561	C055464	100,000	0	0	0
		PORT HENRY 52 - DALTON HILL RD	C054284	0	0	150,660	0
		POTTERSVILLE 51 - EAST SHORE DR	C050682	0	0	0	0
		PROCTORS GENERATION DEMO	C068750	472,000	0	0	0
		QUEENSBURY 57 - DREAM LAKE RD	C055592	0	49,000	0	0
		RECONDUCTOR 5552 TIE TO 5262	C048837	0	0	0	297,500
		REV - FEEDER MONITORS	C069688	844,770	0	0	0
		REYNOLDS RD 33455 - 3-PHASE LINE EX	C046646	0	0	265,200	0
		S LIMA RD PIW FEEDER TIE	C047788	0	225,250	0	0
		SCHUYLERVILLE 11 - CASEY RD REBUILD	C048066	0	117,300	0	0
		SHAWNEE ROAD 76	C036059	28,500	0	0	0
		SHAWNEE ROAD 76 (DLINE)	CD00967	12,000	0	0	0
		SHORE RD 86 - HUBBS RD FEEDER TIE	C060001	60,300	0	0	0
		TWO MILE CREEK RD - DLINE	C052028	934,400	0	0	0
		UNION ST 52 - GREENE/KING RD CONVER	C056649	0	0	12,000	0
		UNION ST 53 - KENYON HILL ROAD	C050779	0	0	147,200	0
		UNION ST. 53 - COUNTY HWY 67	C050777	0	0	490,400	0
		VAIL MILLS 51 - NOONAN RD CONVERT	C051412	0	0	130,050	0
		VAL KIN 42753 - STUY 03552 TIE	C058900	0	0	0	300,000
		WATERTOWN NEW 115/13.2 KV SUBSTATIO	C046610	0	0	0	0
			C046627	0	0	0	0
		WEST HAMLIN 82 - INSTALL TRANSFORM	CD01089	621,300	0	0	0
		WEST HAMLIN 82 - NEW TB2 - INSTALL	CD01090	1,379,900	937,020	937,020	737,020
		WHITESBORO 64, 65 AND 66 RETIREMENT	C050878	0	15,000	0	0
	D/SUB T_Reliability Total			8,214,340	11,298,671	16,669,221	17,712,821
	D/SUB T_Sec Ntwk Arcflash Mitigation	ARC FLASH MEDIATION - 480V SPOT NET	CD01278	0	300,050	300,050	300,050
		ARC FLASH NY EAST DIV 480V SPOT NW	C047464	0	199,750	199,750	199,750
		NY WEST DIV ARC FLASH 480V SPOT NW	C047461	0	300,050	300,050	300,050
	D/SUB T_Sec Ntwk Arcflash Mitigation Total			0	799,850	799,850	799,850
	D/SUB T_Side Tap Fusing	IE - NC SIDE TAP FUSING	C015511	0	0	0	0
		IE - NE SIDE TAP FUSING	C015510	0	0	0	0
		IE - NW SIDE TAP FUSING	C015509	0	0	0	0
		WEAVER 51 - GUILDERLAND AVE RECON	C057032	0	0	0	18,750
	D/SUB T_Side Tap Fusing Total			0	0	0	18,750
	D/SUB T_Storm Hardening	42951-BLUE RIDGE RD STORM HARDENING	C052248	999,600	0	0	0
		42951-HOFFMAN ROAD STORM HARDENING	C052252	0	377,600	0	0
		BATTENKILL 57-FY17 STORM HARDENING	C057386	304,800	0	0	0
		CHESTERTOWN 51-FY16 STORM HARDENING	C057306	360,000	0	0	0
		CHESTERTOWN 52-FY17 STORM HARDENING	C057366	480,330	0	0	0
		COLUMBIAN ROAD REBUILD	C052072	64,000	436,000	0	0
		F2861 EAST OTTO STORM HARDENING	C052044	0	0	700,000	0
		F2862 STORM HARDENING	C057428	0	9,800	408,100	0
		NORTH SHORE ROAD - REBUILD	C052073	64,000	290,000	0	0
		SCOFIELD 53 - FY16 STORM HARDENING	C057289	0	0	351,090	0
		SHEPPARD RD 2951 - STORM HARDENING	C057429	0	420,000	0	0
		WETHERSFIELD 2361 - STORM HARDENING	C057411	7,000	315,700	0	0
	D/SUB T_Storm Hardening Total			2,279,730	1,849,100	1,459,190	0
	D/SUB T_Substaion Flood Mitigation	INDIAN CREEK RD SUBSTATION	C056566	49,000	490,000	0	0
		UNION FALLS - FLOOD MITIGATION	C053167	0	0	0	0
		UNION FALLS FLOOD MITIGATION_DLINE	C068248	113,250	79,500	0	0
		WHITESBORO FLOOD MITIGATION	C053164	2,550	0	0	0
	D/SUB T_Substaion Flood Mitigation Total			164,800	569,500	0	0
	D/SUB T_Substation Mobile	NY NEW MOBILE SUBSTATION 23 KV - 13	C046402	0	1,000,000	1,000,000	0
		NY NEW MOBILE SUBSTATION 34.5 KV -	C046410	0	0	0	1,000,000
		UNY NEW 115 KV 40 MVA MOBILE	C053107	0	0	0	1,080,000
	D/SUB T_Substation Mobile Total			0	1,000,000	1,000,000	2,080,000
	Distribution Line Sensors/Monitors	FEEDER MONITORS / SENSORS- NY CENTR	C076143	0	631,188	631,188	631,188
		FEEDER MONITORS / SENSORS- NY EAST	C076142	0	193,070	193,070	193,070
		FEEDER MONITORS / SENSORS- NY WEST	C076144	0	675,743	675,743	675,743
	Distribution Line Sensors/Monitors Total			0	1,500,000	1,500,000	1,500,000
	Network Transformer DGA Monitors	Network Transformer DGA - NYC	C077021	0	300,000	300,000	300,000
		Network Transformer DGA - NYE	C077022	0	300,000	300,000	300,000
		Network Transformer DGA – NYW	C077020	200,000	300,000	300,000	300,000
	Network Transformer DGA Monitors Total			200,000	900,000	900,000	900,000
Reliability Total				18,534,830	27,878,886	33,324,731	33,779,089
	D/SUB T_Blanket	CENT NY-DIST-LOAD RELIEF BLANKET	CNC0016	513,000	523,000	523,000	534,000
		EAST NY-DIST-LOAD RELIEF BLANKET	CNE0016	940,920	960,000	960,000	979,000
		WEST NY-DIST-LOAD RELIEF BLANKET	CNW0016	321,960	328,000	328,000	335,000
	D/SUB T_Blanket Total			1,775,880	1,811,000	1,811,000	1,848,000
	D/SUB T_Dist Transformer Repl	IE - NC DIST TRANSFORMER UPGRADES	C014846	0	0	0	0
		IE - NE DIST TRANSFORMER UPGRADES	C015828	0	0	0	0
		IE - NW DIST TRANSFORMER UPGRADES	C010967	0	0	0	0
	D/SUB T_Dist Transformer Repl Total			0	0	0	0
		*CEDAR 51 - BUTTERMILK FALLS RD	C049764	0	0	250,290	455,220
		*FIREHOUSE 44953 - DUNSBACH RD CONV	C049864	0	207,360	0	0
		*FIREHOUSE RD STATION - NEW FEEDER	C050081	0	0	340,000	400,000
		*HAGUE RD 52 - CONVERT ROUTE 22	C050717	0	0	0	1,000,350
		*PAWLING AVE CONV (29252/37253)	C050103	0	0	1,099,980	1,099,980
		*VAIL MILLS 51 - COUNTY HWY 107	C049793	0	0	0	0
		*WILTON 52 - RT 32 3 PHASE EXT.	C019570	0	0	0	0
		81452 WESTMINSTER PARK RD - REBUILD	C052344	0	0	0	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
System Capacity	D/SUB T_Load Relief	89552 CROOKS ROAD - REBUILD	C052443	0	0	0	459,850
		8TH ST CONVERSION NIAGARA FALLS	C046841	0	178,800	0	0
		97654 SKINNERVILLE ROAD - REBUILD	C052370	0	0	0	236,300
		BATTENKILL 57-NORTH RD RATIO RELIEF	C057410	0	0	0	0
		BEECH AVE CONVERSION NIAGARA FALLS	C032751	0	850,000	0	0
		BROOK ROAD 55 - BARNEY RD. REBUILD	C047978	0	0	340,000	0
		BRUNSWICK 26453 - SOUTH RD CONV	C045696	0	0	272,160	0
		BUFFALO STATION 129 - F12974 RECOND	C046558	0	297,500	0	0
		BURDECK 26552 - BURNETT ST CONVERSI	C046632	0	0	730,150	0
		BUTLER 53 - ADD BREAKER FOR 53 CKT	C047481	52,250	0	0	0
		BUTLER 53 - BUILD 36253 FEEDER - OH	C047455	0	0	0	453,900
		CENTER ST 52 - ROUTE 5 REBUILD/CONV	C048833	0	0	0	0
		CLINTON 54 - E MAIN ST CONVERSION	C055366	0	74,900	0	0
		COFFEEN 76053 HOLCOMB ST - REBUILD	C052188	350,200	0	0	0
		COLLAMER CROSSING_D_LINE_OH_WORK	C070390	7,000	0	0	0
		COLLAMER CROSSING_D_LINE_UG_WORK	C070392	2,270,000	0	1,730,000	924,000
		COLLAMER CROSSING_D_SUB_WORK	C070393	6,500,000	400,000	1,000,000	2,700,000
		CR- 23553 CEDARVALE RATIO RELIEF	C051803	0	0	407,200	0
		CR BREWTON RETIRE	C010751	0	3,270	0	0
		CR- CONVERT 26554 BROOKLEA DR	C052226	0	0	635,200	0
		CR- CONVERT 29351 NORTH OF STATION	C049397	0	0	0	0
		CR- PEBBLE HILL BURKE RD RATIO	C051710	0	0	160,000	0
		DELAET'S LANDING DXD	CD00893	0	15,000	9,720	608,310
		EAST PULASKI TRANSFORMER UPGRADE	C046634	0	0	0	0
		EDEN SWITCH STRUCTURE -INSTALL 2-10	C046538	0	0	0	288,800
		EDEN SWITCH STRUCTURE- NEW FDR 1	C048015	0	0	0	39,690
		EDEN SWITCH STRUCTURE- NEW FDR 2	C048016	0	0	0	8,100
		F21555 REPLACE 4/0 PLAC GETAWAYS	C057293	0	0	0	10,500
		FAIRDALE DLINE	C046633	0	50,000	100,006	0
		FAIRDALE DSUB	C046640	0	385,000	1,000,000	0
		FORBES AVE - NEW SUBSTATION	C053137	0	0	0	499,700
		FRANKHAUSER NEW STATION - LINE WORK	C028929	863,800	499,770	0	0
		GENSEE ST. FEEDER CONVERSIONS	C051873	0	0	0	500,000
		GROOMS RD 34557 - SARATOGA RD CONVE	C046761	0	0	500,000	500,000
		HARRIS 54 RELIEF	C032446	0	0	210,840	599,760
		JUNIPER DISTRIBUTION REMOVAL WORK	C050245	0	0	0	0
		LAND-CICERO SUBSTATION	C071028	0	500,000	0	0
		MALONE NEW 89554 FEEDER (LINE WORK	C046626	0	0	0	10,000
		MAYFIELD 51 - PARADISE POINT RD	C050069	0	0	288,360	0
		Menands 10158 Conversion	C076229	108,000	0	0	0
		MILITARY RD NEW F21052 - N FALLS	C054046	0	0	0	0
		MILTON AVE 2ND SWITCHGEAR	C046609	214,225	0	0	0
		MILTON AVE DLINE	C046643	0	532,980	763,460	1,005,550
		OGDENSBURG 93852 HWY 37 - REBUILD	C052143	119,850	0	0	0
		QUEENSBURY DLINE RE-ROUTE GETAWAYS	CD00895	595,350	0	0	0
		RAQUETTE LAKE TRANSFORMER UPGRADE	CD01139	0	300,000	399,840	0
		REPLACE RELAYS AT ASHVILLE STATION	C071466	0	80,000	0	0
		RETIREMENT OF JUNIPER SUB 500	C049685	0	0	0	0
		RR-MENANDS 10157-GETAWAY REPLACEMEN	C053966	0	0	0	499,550
		S.LIVINGSTON RELIEF: F5 WORK	C051692	0	0	0	0
		S.LIVINGSTON RELIEF: FD3 WORK	C051690	0	0	0	50,000
		S.LIVINGSTON RELIEF: FD4 WORK	C051691	0	879,660	852,930	0
		S.LIVINGSTON RSLIEF: DIST FDER WORK	C051694	0	0	60,000	310,230
		SODEMAN RD - NEW STATION - DIST GET	C046796	0	1,385,000	1,200,000	1,800,000
		SODEMAN RD STATION - NEW STATION -	C046798	2,500,400	3,499,650	1,999,800	499,700
		SONORA WAY SUBSTATION WITH 6 FDERS	C060141	0	0	1,500,000	4,500,000
		SOUTH LIVINGSTON RELIEF - DLINE FD2	C046552	0	50,000	890,190	549,990
		STATION 3012 D-LINE	C074911	0	963,300	9,500	0
		STATION 3012 SUBSTATION	C074909	0	2,699,510	3,191,300	1,000,070
		STONER 52 - MOHAWK DR CONVERSION	C050421	0	350,200	350,200	0
		TEAL SUBSTATION REBUILD-FEEDERS	C046505	0	0	20,000	747,968
		TEAL SUBSTATION REBUILD-SWGR	C046511	0	0	0	0
		TIBBETS 29254 - 15TH AVE CONVERSION	C046425	0	223,550	0	0
		UNION ST 52 - COUNTY HWY 59	C056632	0	0	0	25,420
		UNION ST 54- TURNPIKE RD CONVERSION	C055735	0	499,800	500,000	0
		VAN DYKE - UG - CIVIL & ELEC WORK	C052098	0	0	4,369,000	0
		VAN DYKE STATION - NEW 115/13.2KV S	C046490	0	0	796,100	5,333,300
		VAN DYKE STATION - NEW 56 DIST FEED	C046487	0	0	0	2,167,500
		VAN DYKE STATION-NEW 54 DIST FEED.	C046495	0	0	0	0
		VAN DYKE SUBST- NEW 57 DIST FEEDER	C046488	0	0	0	1,853,000
		VAN DYKE SUBST- NEW FEEDERS	C016087	0	0	1,219,750	0
		WARRENSBURG 51 - COUNTY HOME BRIDGE	CD01133	98,600	0	0	0
		WATT ST 23051-HAMBURG ST CONVERSION	C051804	0	169,150	0	0
		WELCH AVE CONVERSION LOAD RELIEF	C046842	0	77,760	0	0
	D/SUB T_Load Relief Total			13,679,675	15,172,160	27,195,976	31,136,738
	-Volt-Var Optimization / Conservation Voltage Reduction (VVO/CVR)	NY VVO Central - D-Line	C077098	0	0	758,700	1,179,200
		NY VVO CENTRAL - SUBSTATION	C076103	0	0	404,000	606,000
		NY VVO East - D-Line	C077097	0	0	504,300	899,500
		NY VVO EAST - SUBSTATION	C076088	0	0	404,000	606,000
		NY VVO West - D-Line	C077099	0	0	276,000	1,474,300
		NY VVO WEST - SUBSTATION	C076105	0	0	202,000	404,000
	-Volt-Var Optimization / Conservation Voltage Reduction (VVO/CVR) Total			0	0	2,549,000	5,169,000
System Capacity Total				15,455,555	16,983,160	31,555,976	38,153,738
Communications/Control Systems	Advanced Metering	ADVANCED METERING FUNCTIONALITY NYC	C076383	0	0	0	0
		ADVANCED METERING FUNCTIONALITY NYE	C076382	0	0	0	0
		ADVANCED METERING FUNCTIONALITY NYW	C076384	0	0	0	0
		ADVANCED METERING SOFTWARE NYC	C077181	0	0	0	0
		ADVANCED METERING SOFTWARE NYE	C077179	0	0	0	0
		ADVANCED METERING SOFTWARE NYW	C077182	0	0	0	0
	Advanced Metering Total			0	0	0	0
	D/SUB T_Substation RTU	EMS/RTU INSTALLS - NY CENTRAL	C076124	0	0	1,260,000	1,260,000
		EMS/RTU INSTALLS - NY EAST	C076123	0	0	1,440,000	1,440,000
		EMS/RTU INSTALLS - NY WEST	C076125	0	0	900,000	900,000
		ALDER CREEK-ADD EMS/MOD	C075024	0	530,000	263,000	0
		BREMEN - EMS EXPANSION/RTU INSTALLA	CD01301	197,233	0	0	0
		PORT HENRY 385 - EMS EXPANSION	C053048	200,600	0	0	0
		REP - DIST SUBS WITHOUT RTUS	C019851	0	679,054	678,758	678,758
		RTU M9000	C069687	875,700	1,263,000	1,629,000	1,299,000
		STATION 129 BROMPTON RD - EMS EXPAN	C053086	218,250	0	0	0
		STATION 139 MARTIN RD - EMS EXPAN	C053088	172,660	0	0	0
		STATION 154 GEORGE URBAN-EMS EXPANS	C053085	154,230	0	0	0
		WILTON STATION 329 - EMS EXPANSION	C053083	140,650	0	0	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	D/SUB T_Substation RTU Total			1,959,323	2,472,054	6,170,758	5,577,758
	D/SUB T_Telcom	EMS/RTU UPGRADE - STATIONS NY CENT	C076108	0	175,000	1,520,000	1,520,000
		EMS/RTU UPGRADE - STATIONS NY EAST	C076107	0	325,000	825,000	825,000
		EMS/RTU TELECOM - DLINE NY CENT	C076112	0	0	241,250	241,250
		EMS/RTU TELECOM - DLINE NY EAST	C076111	0	0	181,500	181,500
		EMS/RTU TELECOM - DLINE NY WEST	C076122	0	0	110,500	110,500
		EMS/RTU UPGRADE - STATIONS NY WEST	C076110	0	175,000	676,250	676,250
		NY DIST TELECOM STUDY	C069706	40,000	0	0	0
		TELECOM AND RADIO EQUIPMENT	C004157	750,000	995,000	995,000	995,000
	D/SUB T_Telcom Total			790,000	1,670,000	4,549,500	4,549,500
	Substation RTU	EMS/RTU for DSCADA	C077972	0	2,830,000	4,720,000	930,000
	Substation RTU Total			0	2,830,000	4,720,000	930,000
Communications/Control Systems Total				2,749,323	6,972,054	15,440,257	11,057,258
DER Electric System Access	Other	DEMAND REDUCTION REV DEMONSTRATION	C075326	6,853,072	0	0	0
		DISTRIBUTED SYSTEM PLATFORM REV DEM	C075764	2,908,201	613,242	0	0
		FRUITBELT REV DEMO	C074056	1,987,004	0	0	0
		DG NY Eastern Division 3V0	C077815	0	0	0	0
		DG NY Central Division 3V0	C077816	0	0	0	0
		DG NY Western Division 3V0	C077817	0	0	0	0
	Other Total			11,748,277	613,242	0	0
	Waste Digestor	BRADY R550 DTT FOR WOODCREST DAIRY	C071409	10,000	0	0	0
		DG NY12651 WADHAMS HYDRO DTT	C075283	286,000	0	0	0
		NY DIST WASTE DIGESTER SUBSIDY	C069707	1,000	1,000	1,000	1,000
	Waste Digestor Total			297,000	1,000	1,000	1,000
DER Electric System Access Total				12,045,277	614,242	1,000	1,000
Grand Total				283,490,681	301,374,723	326,486,517	335,380,714

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Transmission Capital Investment Plan
FY18 - FY21
($)

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	Asset Condition I&M	NY Inspection Repairs - Capital	C026923	12,002,000	15,000,000	12,000,000	12,000,000
	Asset Condition I&M Total			12,002,000	15,000,000	12,000,000	12,000,000
Asset Condition	Component Fatigue/Deterioration	345kV Laminated Cross-arm-Placehold	C060365	2,426,000	3,000,000	3,000,000	3,000,000
		Access Road Packard-Hunt 115 kV	C076862	500,000	1,000,000	0	0
		Alabama-Telegraph 115 T1040 ACR.	C033014	300,000	4,600,000	0	0
		Alcoa Fence Replacement	C072207	55,000	0	0	0
		Alps relay replacement	C049296	118,000	0	0	0
		Amsterdam - Station Retirement	C076006	0	8,000	0	0
		AMT PIW/SERR - NIMO	C031545	250,000	250,000	250,000	250,000
		Ash St. 115-12kV TRF Asset replace	C076282	500,000	1,200,000	650,000	130,000
		Balmat - Repl liquid filled fuse	C076189	0	0	0	24,000
		Batavia - Obsolete Relays	C073587	0	43,000	65,000	0
		Batavia - Replace five OCBs	C075904	0	240,000	1,230,000	545,000
		Batavia-Golah 119 ACR	C060217	0	0	300,000	0
		BatteryRplStrategyCo36TxT	C033847	160,000	684,000	500,000	550,000
		Battle Hill - replace 3 OCBs	C049543	778,000	0	0	0
		Bethlehem Relay Replacem't Strategy	C049583	115,000	0	0	0
		Boonville Rebuild	C049903	0	0	50,000	300,000
		Boonville-Rome 3-4 T4060-T4040 ACR	C047795	75,000	0	0	0
		Border City-Elbridge #15/#5 ACR	C075723	0	300,000	1,000,000	3,000,000
		Br F-Taylorville 3-4 ACR	C024359	2,508,000	0	0	0
		Breaker T Repl Program 4-69kV NYC.	C049258	597,000	597,000	597,000	600,000
		Breaker T Repl Program 4-69kV NYE	C049257	598,000	598,000	598,000	600,000
		Breaker T Repl Program 4-69kV NYW	C049260	650,000	598,000	598,000	600,000
		Brockport Tap Refurbishment	C055531	0	0	0	100,000
		Carr St./E.Syracuse CO-Gen Relays	C049739	394,000	0	0	0
		Colton-BF 1-2 T3140-T3150 ACR	C036164	0	0	0	100,000
		Colton-Replace CBs and Disconnects	C029844	30,000	0	0	0
		Curtis St - Oil Breaker Replacement	C049584	349,000	0	0	0
		Dewitt - Remote End Work	C075822	54,000	0	0	0
		Dunkirk Rebuild	C005155	563,000	3,595,000	12,392,000	12,400,000
		Dunkirk Substation Rebuild CH	C073999	100,000	400,000	2,000,000	0
		Dunkrk-Falc 161-162 T1090-T1100 ACR	C047831	0	0	100,000	200,000
		EASEMENT-RELOCATE S. DOW-POLAND 865	C072888	750,000	0	0	0
		East Norfolk - Repl liq filled fuse	C076188	0	0	0	24,000
		Edic/N Scotland-NG Assoc work-TOTS	C058064	400,000	0	0	0
		Edic: Protection Migration	C076214	0	600,000	1,100,000	500,000
		Elm St #2 TRF Asset Replacement	C069426	500,000	3,000,000	2,000,000	1,000,000
		Existing Control Bldg - Tran-NY	CNYT352	250,000	250,000	250,000	250,000
		Falconer Cap Bank BKR Asset Replace	C065468	470,000	0	0	0
		Feura Bush Relay Replacement	C049585	720,000	0	0	0
		Frontier 180 182 ACR/Recond	C027436	0	0	0	300,000
		Frontier 181 ACR/Recond	C060215	0	0	0	300,000
		Gard-Dun 141-142 N Phase Rebuild	C003389	2,225,000	8,685,000	22,790,000	28,440,000
		Gard-Dun 141-142 South Struct Repl	C077024	650,000	40,000	0	0
		Gardenville Rebuild	C005156	24,894,000	5,706,000	493,000	663,000
		Gardenville-Rebuild Line Relocation	C030084	6,314,000	7,210,000	4,589,000	0
		Gard-HH 151-152 T1950-T1280 S ACR	C027425	100,000	200,000	200,000	1,000,000
		GE Butyl Rubber VT Replacement	C049002	321,000	0	0	0
		Geres Lock Switch Replacements	C073446	4,000	0	0	0
		GOLAH RELAY & BREAKER PROGRAM REPL	C050920	0	55,000	490,000	957,000
		Greenbush Relay Replacement	C049587	330,000	0	0	0
		Greenbush-Stephentown #993 ACR	C060208	100,000	200,000	200,000	1,000,000
		G'ville/HH 152 Vange/J-hook Replace	C069689	500,000	0	0	0
		Homer Hill - Replace five OCBs	C075942	0	0	0	240,000
		Homer Hill - West Olean 156 ACR	C060218	0	0	300,000	0
		Homer Hill-Bennett 157 T1340 ACR	C027429	0	400,000	0	0
		Hoosick - Replace Bank 1 & relays	C053132	0	100,000	3,000,000	3,400,000
		Huntley - Install Control Bldg	C067027	2,450,000	0	0	0
		Huntley-Gardenville 38/39 Rebuild	C075543	0	0	0	0
		Huntley-Lockport 36 37 ACR	C069538	300,000	10,000,000	6,300,000	100,000
		Independence Station relay Replace	C049598	55,000	524,000	0	0
		Inghams Phase Shifting Transformer	C047864	50,000	4,410,000	0	0
		Inghams Station - Assoc Line work	C060240	0	0	0	100,000
		Inghams Station Re-vitalization	C050917	0	50,000	173,000	700,000
		Inghams Station Revitalization CH	C074000	0	0	0	100,000
		Inghams-E. Springfield #7 ACR	C060209	0	0	100,000	200,000
		Kensington #4 & #5 TRF asset replac	C069429	0	0	250,000	2,500,000
		Leeds - Replace U Series Relays	C024663	88,000	0	0	0
		Leeds Station Service	C049900	48,000	0	0	0
		LightHH 115kV CH	C073996	0	0	100,000	2,400,000
		LightHH 115kV Yard Repl & cntrl hs.	C031662	5,000	25,000	300,000	1,800,000
		LightHH Trans Lines Reconnect	C073997	0	0	50,000	500,000
		Lockport 103-104 T1620-T1060 STR	C027432	0	0	0	300,000
		Lockport Sub Rebuild CH	C073991	0	0	0	100,000
		Lockport-Batavia 108 T1500 STR.	C027431	100,000	200,000	100,000	0
		Lockport-Batavia 112 T1510 ACR	C003422	100,000	300,000	2,500,000	12,000,000
		Lockport-Mortimer 111 T1530 ACR	C003417	500,000	0	0	0
		LockportSubstationRebuildCo36TxT	C035464	0	50,000	400,000	2,201,000
		Long Lane Relay Replacement	C049600	660,000	0	0	0
		Maplewood - Replace one OCB	C075867	0	0	210,000	284,000
		Maplewood-Norton-Replace Pilot Wire	C036006	80,000	0	0	0
		Marshville - replace R11 OCB	C049547	9,000	0	0	0
		Menands Cntrl Bldg & Relay Replcmt	C049601	187,000	1,417,000	3,070,000	3,388,000
		Mohican - Replace Bank 1 and Relays	C053133	0	100,000	2,300,000	1,597,000
		Mortimer #3 Auto TRF Replace	C076283	125,000	675,000	2,763,000	0
		Mortimer-Golah #110 ACR	C060220	0	0	0	300,000
		Mortmr-Pannll 24-25 T1590-T1600 ACR	C047816	0	100,000	200,000	1,000,000
		New Scotland - Obsolete Rly Rpl LN3	C076344	338,000	0	0	0
		New Scotland - replace 345kV OCBs	C049553	19,000	0	0	0
		New Scotland 345kV&115kV Relay Repl	C047861	562,000	0	0	0
		New Walden #2 TRF asset replacement	C064192	950,000	0	0	0
		Niagara-Lockport 101/102 ET-Truss	C060216	650,000	0	0	0
		Northeast Region Switch Operation	C053604	4,000	0	0	0
		Norwood - Repl liquid filled fuse	C076187	0	0	0	48,000
		NY Priority OHL Tran Switch Repl	C076621	630,000	630,000	630,000	630,000
		Oneida Substation Rebuild	C034443	0	0	30,000	250,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		Oswego - 115kV & 34.5kV - Rebuild	C043426	2,644,000	3,572,000	0	0
		Oswego: 115kV Control House	C061991	1,287,000	776,000	0	0
		Oswego: 345kV Asset Sep/Repl	C076218	50,000	700,000	2,150,000	0
		Oswego: 345kV Asset Sep/Repl CH	C076983	100,000	400,000	2,000,000	0
		Packard - Replace three OCBs	C075943	0	0	125,000	975,000
		Pannell-Geneva 4 Thruway Crossing	C069541	100,000	0	0	0
		Pannell-Geneva 4-4A T1860 ACR	C030889	200,000	1,000,000	4,000,000	18,000,000
		Porter-Watkins Rd 5 ACR	C060207	0	0	300,000	200,000
		Purchase Spare Transformers	C053135	4,660,000	8,007,000	5,796,000	0
		Quaker-Sleight Road #13 ACR	C060219	0	0	300,000	0
		Queensbury - replace OCBs	C049554	951,000	0	0	0
		Rebuild Huntley Station Asset Separ	C049902	4,619,000	16,000,000	12,000,000	4,000,000
		Ridge Substation - 34.5kV System Re	C046693	0	312,000	329,000	0
		Rotterdam 115kV SubRebuild(AIS)	C034850	46,000	300,000	6,727,000	19,931,000
		Rotterdam-Bear Swamp E205 T5630 ACR	C047832	0	0	0	300,000
		S Oswego-Clay #4 T-334 Rebuild	C075544	0	0	0	0
		Schuyler - replace OCBs	C049562	300,000	667,000	0	0
		Schuyler Rd Repl 918 928 CirSws	C050799	2,000	0	0	0
		Scriba - Replace Insulators	C075962	0	135,000	63,000	0
		Scriba Relay Replacement	C049611	180,000	615,000	8,000	0
		Seneca #2 & #5 TRF asset Replace	C069427	0	250,000	2,500,000	2,250,000
		Seneca Reactor 71E asset replace	C065766	0	989,000	1,278,000	0
		Seneca Term Relay Replacement	C049613	530,000	0	0	0
		Seneca Terminal TB3 Replacement	C049744	656,000	0	0	0
		Sleight Rd-Auburn #3 ACR	C075566	0	0	0	0
		Southeast Batavia - Obsolete Relays	C073588	0	16,000	16,000	0
		Teall - Replace one OCBs	C075902	0	0	146,000	221,000
		Teall Ave - 115kV Foundation Repl	C076216	0	0	0	150,000
		Teall Ave. Transformer Replacement	C047865	837,000	0	0	0
		Telegraph Road TRF #2 Asset Replace	C069346	50,000	1,500,000	1,000,000	0
		Terminal Station Relocation	C076242	0	0	50,000	3,000,000
		Ticonderoga 2-3 T5810-T5830 ACR	C039521	300,000	1,400,000	7,000,000	7,000,000
		Ticonderoga-Sanford T6410R Removal	C032309	1,140,000	556,000	422,000	0
		Tuller Hill 115kV Tap Replacement	C065087	0	10,000	51,000	0
		Turner D Switch Replacements (36)	C052603	0	1,376,000	1,376,000	0
		Volney station Relay Replacement	C049626	180,000	446,000	8,000	0
		Walck RD Relay Replacement	C049628	199,000	0	0	0
		Whitehall - Replace three OCBs	C075885	0	140,000	970,000	151,000
		Wood Pole Mgmt Prgm (Osmose)	C011640	1,500,000	2,500,000	2,500,000	2,500,000
		Woodard - Replace three OCBs	C075903	0	110,000	895,000	96,000
		Woodard Relay Replacement	C047863	271,000	0	0	0
		Woodlawn Transformer Replacement	C051986	18,000	700,000	2,340,000	1,800,000
		Yahnundasis - Mobile Disconnects	C049564	108,000	0	0	0
	Component Fatigue/Deterioration Total			78,486,000	104,517,000	132,568,000	151,545,000
	Failure Trend	Central Div Sta - Shielded Cable	C058003	0	196,000	206,000	206,000
		West Div - Shielded Cables	C058130	50,000	70,000	60,000	75,000
	Failure Trend Total			50,000	266,000	266,000	281,000
Asset Condition Total				90,538,000	119,783,000	144,834,000	163,826,000
Communications / Control Systems	EMS/SCADA	Program-Remote Terminal Unit (RTU)	C003772	400,000	0	0	0
		RTUs M9000 Protocol Upgrades	C069437	300,000	1,229,000	1,238,000	1,064,000
		VARIOUS STA - RANGE OF OPERATIONS	C032551	1,000	0	0	0
	EMS/SCADA Total			701,000	1,229,000	1,238,000	1,064,000
	Telecom	Upgrade Comm Equip Verizon Retireme	C069570	198,000	500,000	5,000,000	5,000,000
	Telecom Total			198,000	500,000	5,000,000	5,000,000
Communications / Control Systems Total				899,000	1,729,000	6,238,000	6,064,000
Customer Requests/Public Requirements	Customer Interconnections	Arkwright Wind - Line	CNYCS07	1,000,000	1,500,000	0	0
		Arkwright Wind - Line Reimb	CNYCS07R	(1,000,000)	(1,500,000)	0	0
		Arkwright Wind - Stations Reimb	CNYCS06R	(1,000,000)	(1,617,000)	0	0
		Arkwright Wind-Stations	CNYCS06	1,000,000	1,617,000	0	0
		Bethlehem Energy Center Uprate - Stations	CNYCS02	1,000,000	760,000	0	0
		Bethlehem Energy Center Uprate - Stations Reimb	CNYCS02R	(1,000,000)	(760,000)	0	0
		Bethlehem Energy Center Uprate-Line	CNYCS01	30,000	70,000	0	0
		Bethlehem Energy Center Uprate-Line Reimb	CNYCS01R	(30,000)	(70,000)	0	0
		Byrne Dairy Load Expansion	C052843	2,000	0	0	0
		Copenhagen Wind Loop In/Loop out	C076290	500,000	515,000	0	0
		Copenhagen Wind Project - Line Reimb	C076290R	(500,000)	(515,000)	0	0
		Copenhagen Wind Project - Stations	C076291	1,400,000	703,000	0	0
		Copenhagen Wind Project - Stations Reimb	C076291R	(1,400,000)	(703,000)	0	0
		DUN-FALC 161/162 - ATHENEX	C074805	4,200,000	0	0	0
		DUN-FALC 161/162 - ATHENEX Reimb	C074805R	(4,200,000)	0	0	0
		Edic-MVEdge Customer Connection	C066166	10,567,000	0	0	0
		Edic-MVEdge Customer Connection Reimb	C066166R	(10,567,000)	0	0	0
		Erie Cogen-Stations	CNYCS05	670,000	350,000	0	0
		Erie Cogen-Stations Reimb	CNYCS05R	(670,000)	(350,000)	0	0
		Green Power Wind Project	C058099	1,218,000	138,000	0	0
		Green Power Wind Project Reimb	C058099R	(1,218,000)	(138,000)	0	0
		Green Pwr Wind Loop in/out	C058101	846,000	106,000	0	0
		Green Pwr Wind Loop in/out Reimb	C058101R	(846,000)	(106,000)	0	0
		Monroe County Mill Seat-TRAN	C067866	109,000	9,000	0	0
		Monroe Cty Mill Seat 3.2MW Exp Reimb	C067866R	(109,000)	(9,000)	0	0
		RG&E ROCH AREA RELIABILY PROJ(RARP)	C074886	128,000	0	0	0
		RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb	C074886R	(128,000)	0	0	0
		Turning Stone 115kV Line Relocation	C069434	5,973,000	0	0	0
		Turning Stone 115kV Line Relocation Reimb	C069434R	(6,000,000)	0	0	0
	Customer Interconnections Total			(25,000)	0	0	0
	Request From External TO	Upgrade Mortimer Station	C064567	127,000	0	0	0
		Upgrade Mortimer Station - Reimb	C064567R	(359,000)	0	0	0
	Request From External TO Total			(232,000)	0	0	0
	Public Requirements	Rosa Road - GE #14 Line - Raising	C070889	130,000	0	0	0
		Rosa Road - GE #14 Line - Raising Reimb	C070889R	(130,000)	0	0	0
	Public Requirements Total			0	0	0	0
Customer Requests/Public Requirements Total				(257,000)	0	0	0
Damage/Failure	Damage/Failure	#4&#12 Porter-Valley/Valley-Fairfie	C060139	8,000	0	0	0
		Harper Station #40 TRF D/F	C075622	1,274,000	0	0	0
		Nile Sta D/F Sw 660 & 676 Replace	C074004	276,000	0	0	0
		North LeRoy TRF #1 Replacement	C056083	61,000	0	0	0
		OHL D-F Disconnect Switch Spares	C048159	300,000	0	0	0
		Storm Budgetary Blanket - NMPC	C003481	500,000	500,000	500,000	500,000
		Trans Station Failure Budget Blanke	C003792	1,700,000	1,700,000	1,700,000	1,700,000
		Trans Station Failure Reserve	C073870	3,000,000	4,600,000	4,600,000	4,600,000
		TransLine D/F Budget Blanket	C003278	550,000	450,000	450,000	450,000
	Damage/Failure Total			7,669,000	7,250,000	7,250,000	7,250,000
Damage/Failure Total				7,669,000	7,250,000	7,250,000	7,250,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
DER - Electric System Access	Customer Interconnections	DG 8391 Town of Halfmoon 1.008MW	C074484	3,000	0	0	0
		DG 8391 Town of Halfmoon 1.008MW Reimb	C074484R	(3,000)	0	0	0
		DG NY 8156 INTERGROW GREENHOUSE RTU	C074523	7,000	0	0	0
		DG NY 8156 INTERGROW GREENHOUSE RTU Reim	C074523R	(7,000)	0	0	0
		DG NY10482 MVCC PV DTT	C074827	13,000	0	0	0
		DG NY10482 MVCC PV DTT Reimb	C074827R	(13,000)	0	0	0
		DG NY-11143 Amsterdam EMS SCADA RTU	C074508	5,000	0	0	0
		DG NY-11143 Amsterdam EMS SCADA RTU Reimb	C074508R	(5,000)	0	0	0
		DG NY11222 SUNY SELKIRK (SE) DTT Reimb	C074784R	(468,000)	0	0	0
		DG NY11222 SUNY Selkirk(SE) Station	C074784	468,000	0	0	0
		DG NY11223 SUNY SELKIRK (NE) DTT Reimb	C074786R	(170,000)	0	0	0
		DG NY11223 SUNY Selkirk(NE) Station	C074786	170,000	0	0	0
		DG NY11257 SUNY Selkirk (C) Station	C074752	170,000	0	0	0
		DG NY11257 SUNY SELKIRK CENTER DTT Reimb	C074752R	(170,000)	0	0	0
		DG NY11258 SUNY SELKIRK (NW) DTT Reimb	C074763R	(170,000)	0	0	0
		DG NY11258 SUNY Selkirk(NW) Station	C074763	170,000	0	0	0
		DG NY12449 - 3I0 at Mohican Station	C076985	226,000	0	0	0
		DG NY12544 SENECA NATION WIND (RTU)	C074527	6,000	0	0	0
		DG NY12544 SENECA NATION WIND (RTU) Reimb	C074527R	(6,000)	0	0	0
		DG NY16088 SUNY Perth South RTU	C075006	46,000	0	0	0
		DG NY16088 SUNY Perth South RTU Reimb	C075006R	(46,000)	0	0	0
		DG NY5451 Skidmore 2MW PV RTU	C076964	9,000	0	0	0
			C076964R	(9,000)	0	0	0
		DG NY5529 Clarkson PV RTU	C076864	9,000	0	0	0
			C076864R	(9,000)	0	0	0
		DG NY6856 Oneida County DPW RTU	C075702	3,000	0	0	0
		DG NY6856 Oneida County DPW RTU Reimb	C075702R	(3,000)	0	0	0
		HVCC 8.1 MW DG RTU	C068148	8,000	0	0	0
		HVCC 8.1 MW DG RTU Reimb	C068148R	(8,000)	0	0	0
		Tn of Whitehall - Millet A RTU	C072610	9,000	0	0	0
		Tn of Whitehall - Millet A RTU Reimb	C072610R	(9,000)	0	0	0
		Tn of Whitehall - Millet B RTU	C072611	6,000	0	0	0
		Tn of Whitehall - Millet B RTU Reimb	C072611R	(6,000)	0	0	0
	Customer Interconnections Total			226,000	0	0	0
DER - Electric System Access Total				226,000	0	0	0
Reliability	NERC/NPCC Standards	Conductor Clearance - NY Program	C048678	9,409,000	10,009,000	12,105,000	9,771,000
		Physical Security	C066246	855,000	0	0	0
			C073348	260,000	0	0	0
			C073349	0	0	86,000	962,000
			C073351	670,000	0	0	0
			C073352	0	62,000	806,000	0
			C073353	493,000	696,000	0	0
			C073354	477,000	681,000	0	0
			C073355	942,000	0	0	0
			C073356	722,000	0	0	0
			C073648	0	80,000	906,000	0
		230kV Substation – Upgrade Brks/Disc/PT's	C036866	350,000	1,000,000	1,259,000	15,550,000
	NERC/NPCC Standards Total			14,178,000	12,528,000	15,162,000	26,283,000
	Performance	Backup UG Pump Plant-Trinity Ln 5&9	C062469	0	250,000	1,847,000	100,000
		Hudson Station 087- Animal Fence	C059640	55,000	0	0	0
		Osprey Mitigation/Avian Protection	C076662	300,000	300,000	300,000	300,000
		Rensselaer Station - Animal Fence	C076522	55,000	0	0	0
	Performance Total			410,000	550,000	2,147,000	400,000
Reliability Total				14,588,000	13,078,000	17,309,000	26,683,000
System Capacity	Generator Retirements	New Elbridge - State St Line	C047298	185,000	0	0	0
		New Elbridge - State St Line Reimb	C047298R	(185,000)	0	0	0
		Reconductor #5 Elbridge - State ST	C047297	523,000	0	0	0
			C047297R	(523,000)	0	0	0
		Reconfigure Elbridge Sub	C047299	1,252,000	0	0	0
		Reconfigure Elbridge Sub Reimb	C047299R	(1,252,000)	0	0	0
	Generator Retirements Total			0	0	0	0
	TO Led System Studies	Airco-Bffl Rvr147 Adv Metal Tap	C054711	720,000	182,000	0	0
		Albany-Greenbush 1&2 Reconductoring	C077034	100,000	4,000,000	0	0
		Batavia Second 115 kV Cap Bank	C031478	1,600,000	0	0	0
		Bethlehem sub relay upgrade line #6	C054267	0	0	0	0
		Central Breaker Upgrades - Ash	C043424	1,346,000	0	0	0
		Clay-Teall#10,Clay-Dewitt#3 Recond	C043995	28,404,000	8,125,000	0	0
		Collamer Crossing_115kV_Line_TAP	C070394	1,100,000	0	0	0
		Construct Five Mile Station	C024015	891,000	0	0	0
		E.Golah 2nd 115kV tap	C051829	0	0	0	70,000
		Eastover - Add 2nd Bank	C060247	1,120,000	0	0	0
		EDIC - 345-230kV TB2 RECONNECT	C044674	30,000	0	0	0
		Elbridge WoS Reactors	C069531	250,000	250,000	500,000	4,500,000
		Elm St Relief_Add 4th Xfer	C049594	1,995,000	48,000	0	0
		Gardenville-Erie 54-921 Reconductor	C060213	566,000	0	0	0
		GE-Geres Lock 8 T2240 Reconductor	C047835	0	4,426,000	5,164,000	0
		Golah Cap Bank Installation	C064868	785,000	806,000	0	0
		Golah Sub rebuild	C051831	0	0	55,000	490,000
		Grdvll-Bffl Rvr146 2nd Tap Ohio Sta	C054713	2,237,000	182,000	0	0
		Land - Lasher Rd Substation	C065886	250,000	0	0	0
		Land Rights/Acquisition - Tran-NY	CNYT350	225,000	225,000	225,000	225,000
		Land-Clay-Teall#10,Clay-Dewitt #3	C068288	491,000	0	0	0
		Lasher Rd Transmission Line	C043672	728,000	445,000	226,000	0
		Lasher Road Substation	C064726	6,000,000	8,000,000	2,500,000	0
		Lasher Road Substation - LAB	C064727	1,150,000	300,000	90,000	0
		Malone 2nd Bank_Tline	C059673	0	0	40,000	240,000
		Malone Metalclad&Transformer	C069306	0	0	0	165,000
		Maplewood #19/#31Reconductoring	C069466	38,000	754,000	4,524,000	4,524,000
		Menands #10/#15 Reconductoring	C068850	500,000	5,000,000	500,000	0
		Menands-Riverside #3 Sta Work	C060546	8,000	0	0	0
		Mohican Battenkill#15 Rebuild Recon	C034528	8,229,000	695,000	665,000	0
		Mortimer line Re-Arrangement	C060248	50,000	570,000	500,000	0
		Mountain Station Relay Replacement	C049603	504,000	0	0	0
		NEW MAPLE AVE - LINE PORTION	C070395	0	122,000	527,000	0
		New Tonawanda Station - Line Taps	C053156	574,000	65,000	0	0
		New Watertown 115-13.2kV T - Line	C053155	0	0	0	84,000
		North Troy Brkr & Relay Repl	C069438	2,023,000	596,000	0	0
		Ohio Street new 115 - 34.5kV sub	C055263	4,685,000	5,219,000	0	0
		Packard 77/78 Series Reactors	C063627	286,000	0	0	0
		Patroon sub relay upgrade line #6	C054269	0	0	0	0
		Porter #3 / #7 Install Reactors	C060241	1,804,000	100,000	0	0
		Porter Reactors Trans Line Work	C073246	61,000	0	0	0
		Recond Cortland Clarks Corners	C053141	421,000	0	0	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		Riverside-Reynolds Rd#4 Forbes Tap	C043592	0	0	0	73,000
		Rosa Rd add 115kV Cap Bank	C069467	0	60,000	1,900,000	0
		Rotterdam - Add Reactors LN19/20	C069548	200,000	2,360,000	100,000	0
		Rotterdam - Curry #11 recond	C060243	504,000	8,000,000	2,500,000	0
		Rotterdam Breaker Replacement	C049605	942,000	471,000	0	0
		Rotterdam-Reconfig Bus& add breaker	C060255	1,444,000	0	0	0
		Royal (New Harper) 115 kV line taps	C044594	0	0	28,000	629,000
		Royal (New Harper) TxT Substation	C044874	0	0	1,657,000	6,185,000
		Schaghticoke Control House	C062925	100,000	135,000	1,300,000	0
		Schaghticoke Switching Station	C060252	1,150,000	3,300,000	7,000,000	0
		Schaghticoke Tap Sw St - Line taps	C060253	142,000	207,000	630,000	0
		Schoharie substation reconfiguratio	C046494	0	915,000	938,000	0
		Sodeman Rd Install New taps	C043755	4,000	242,000	480,000	94,000
		Taps to 115 kV new Cicero Sub	C050939	0	100,000	370,000	120,000
		Ticonderoga- Inst Cap Bank, Rpl OCB	C060254	1,105,000	2,403,000	0	0
		TP Mortimer Second Bus tie	C050696	650,000	0	0	0
		Trans Study Budgetary Blanket NY	C008376	150,000	150,000	150,000	150,000
		Van Dyke 115-13.2 Sub Taps	C044173	0	0	0	628,000
		W. Ashville sub 115kV ln 160 tap	C043832	17,000	876,000	31,000	0
		W. Ashville substation TxT	C043833	923,000	4,831,000	1,769,000	0
	TO Led System Studies Total			76,502,000	64,160,000	34,369,000	18,177,000
System Capacity Total				76,502,000	64,160,000	34,369,000	18,177,000
Grand Total				190,165,000	206,000,000	210,000,000	222,000,000

Capital Adjustments Agreed to in Joint Proposal	-	(8,191,000)	(12,586,500)	(17,742,000)
Total	190,165,000	197,809,000	197,413,500	204,258,000

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Sub-Transmission Capital Investment Plan
FY18 - FY21
($)

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
Asset Condition	D/SUB T_Asset Replacement	BETH-VOORHEESVILLE-RETIRE CALLANAN	C027582	0	0	0	0
		BUFFALO STATION 122 REBUILD - 23KV	CD00780	0	0	0	18,000
		CUBA CHEESE TAP 811-34.5 KV INSUL.	C075229	50,000	425,000	0	0
		CUYLER24 SUBT TAP-SUB REPLACEMENT	C060019	0	73,061	0	0
		Dunkirk Steam-Rel/repl 34.5 kV lns	C076185	0	0	0	0
		LN404 MOUTAIN - SANBORN RECONDUCTOR	CD01276	0	579,500	0	0
		N.LAKEVILLE - RIDGE LN 218 REFURBIS	C046766	0	0	60,000	571,870
		NORTHVILLE-WELLS 1-23 KV INS.	C075062	50,000	1,000,000	1,000,000	0
		NY_35KV_FPC SWGR_CENTRAL_1 OF 4	C058959	300,050	599,954	467,500	0
		NY_35KV_FPC SWGR_WEST_1 OF 3	C058985	99,946	598,850	599,140	495,840
		RANKINE - ADAMS - 25 CYCLE LINE RET	C046620	0	4,615	4,615	0
	D/SUB T_Asset Replacement Total			499,996	3,280,980	2,131,255	1,085,710
	D/SUB T_Blanket	CNY SUB TRANS-LINE ASSET REPLACE	CNC0075	213,960	218,000	218,000	223,000
		ENY SUB TRANS-LINE ASSET REPLACE	CNE0075	67,920	69,000	69,000	71,000
		WNY SUB TRANS-LINE ASSET REPLACE	CNW0075	282,960	289,000	289,000	294,000
	D/SUB T_Blanket Total			564,840	576,000	576,000	588,000
	D/SUB T_De-Energized T Line Strategy	BALSTN-RANDALL-W. MILTON 34.5KV REM	C048968	0	0	0	0
		BENNETT BRIDGE-SOLVAY 6-69KV-REMOVE	C048824	800	0	0	0
		CAMBRIA-LOCKPORT 411, 12KV REMOVAL	C067246	1,480	0	0	0
		CASTLETON GREENBUSH LINE 5	C036365	0	0	0	0
		GARDENVILLE-BLASDELL L131/L132 REM.	C036201	0	0	0	0
		HOMER HILL-CERES 809-34.5KV RETIRE	CD00825	7,650	0	0	0
		JELIFF TAP 34.5KV -REMOVE	C049097	0	0	0	0
		LISBON-HEUVELTON 25 REMOVAL	C025079	3,000	0	0	0
		NEW GARDENVILLE SUBSTATION-SUBT LIN	CD00636	69,561	33,200	0	0
		RANKINE-HARPER 16/17 AND ADAMS -HAR	C046514	0	0	0	0
		REMOVE BUCKLEY ROAD TAP 24-34.5KV	C072566	0	0	0	0
		REMOVE SCHOOL ST. -WATERVLIET 3/4	C046512	0	0	0	0
		S NIAGARA FALLS SUB-T LINE REMOVE	C053426	0	1,500	0	7,000
		TERMINAL STA B - R48, R46, R25 REM.	C036204	1,560	1,560	0	0
		TERMINAL STA C - C12 & C14 REMOVAL	C036203	990	0	0	0
		TERMINAL-CORNELIA 43 13.2KV-REMOVE	C049037	0	0	0	0
		WEST-YAH/WEST-CLINTON 24 REMOVAL	C075228	0	0	0	0
	D/SUB T_De-Energized T Line Strategy Total			85,041	36,260	0	7,000
	D/SUB T_Inspection $ Maintenance	I&M - NC SUB-T LINE WORK FROM INSP	C026166	1,095,900	2,255,639	2,233,152	2,233,152
		I&M - NE SUB-T LINE WORK FROM INSP	C026165	1,095,900	1,583,529	1,568,027	1,568,027
		I&M - NW SUB-T LINE WORK FROM INSP	C026167	2,096,141	2,304,670	2,281,414	2,281,414
		IE - NW SUBT TOWERS	C031855	93,600	0	0	0
	D/SUB T_Inspection $ Maintenance Total			4,381,541	6,143,838	6,082,593	6,082,593
	D/SUB T_Sub T UG Cable Replacement	404 LINE - UG CABLE REPLACEMENT	C069646	0	680,000	0	0
		701 LINE - KENSINGTON EXPWY UG	C053243	0	0	0	0
		BUFFALO 23KV REC.-SEN. 1,2,3,19,31S	C048826	0	0	2,400,400	1,200,000
		BUFFALO 23KV UG CABLE REPLACEMENT	C052483	0	0	0	0
		BUFFALO STATION 59 REBUILD - 23 KV	C033472	297,000	0	0	0
		PARTRIDGE-AVE A_5 CABLE REPLACEME	C036273	0	1,002,000	0	0
		Rotterdam #34 #36 34.5kV Cable Replacement	C077065	0	0	1,120,000	0
		SOLVAY ASH 27 CABLE REPL SUBT	C032147	0	0	639,100	616,690
	D/SUB T_Sub T UG Cable Replacement Total			297,000	1,682,000	4,159,500	1,816,690
	D/SUB T_Substation Indoor	BUFFALO STATION 30 - REBUILD - 23KV	C015755	0	0	0	0
		BUFFALO STATION 37 REBUILD - 23 KV	C033471	106,680	0	0	0
		BUFFALO STATION 53 REBUILD - 23 KV	C046928	0	0	30,000	150,450
	D/SUB T_Substation Indoor Total			106,680	0	30,000	150,450
		AMSTERDAM-ROTTERDAM3/4 RELOCATION	C033182	0	0	0	2,887,200
		BALLSTON-MECHANICVILLE 6-34.5KV	C046472	139,120	1,541,420	1,235,800	0
		BALLSTON-SHORE RD 8-34.5 KV	C046457	0	0	97,000	555,270
		BARKER-LYNDONVILLE 301-34.5KV	C052511	0	0	0	75,000
		BETHLEHEM-SELKIRK 5-34.5KV	C048817	9,000	280,000	54,600	0
		BOONVILLE-RACQUETTE LAKE 46 KV SYST	C072528	749,600	0	0	0
		BRISTOL HILL-PHOENIX 23-34.5KV	C046474	0	0	0	77,000
		BURNETT-HEADSON 34-34.5KV	C050199	0	0	0	45,000
		CALLANAN TAP - REBUILD EXIST 34.5LN	C046641	107,070	830,000	830,000	0
		COTTRELL PAPER TAP 11-34.5KV	C046443	0	600,090	0	0
		DAKE HILL-W. SALAMANCA 816-34.5KV	C046469	0	0	0	83,000
		DEERFIELD-SCHUYLER 22-46KV	C050288	0	100,000	1,287,000	0
		DEERFIELD-WHITESBORO 26-46KV	C046459	0	0	0	160,380
		ELBRIDGE-JEWITT 31-34.5KV REFURB	C050959	0	0	0	129,000
		ELBRIDGE-MARCELLUS 30 REFURBISHMENT	C054927	0	24,900	132,720	190,816
		EPRATAH-CAROGA 2-23KV	C046456	0	0	0	50,000
		FORT COVINGTON-MALONE 26-34.5KV	C050197	0	0	600,000	530,292
		GLOVERSVILLE - CANAJ. 6 REFURBISH	C016236	0	0	100,000	2,900,000
		HARTFIELD-S. DOW 859 34.5 KV PRT 3	C074502	0	0	1,649,830	1,500,255
		HARTFIELD-S. DOW 859-RELOCATE PART	C052209	101,000	550,290	750,000	0
		HH-CERES 809 FLOOD PLAIN RELOC.	C075854	315,000	245,000	0	0
		HOMER HILL-NILE 811-34.5KV	C050326	0	0	47,000	841,620
		HOMER HILL-NILE 811-34.5KV ION	CD01216	0	0	0	172,640
		KENMORE-WINSPEAR 630/631-REF	C050318	0	0	65,000	350,200
		LHH-MALLORY 22-34.5KV	C046441	0	0	54,000	700,000
		LYNDONVILLE-MEDINA 301-34.5KV	C052512	0	0	0	0
		M&T BANK TAP 701-34.5KV	C046462	11,050	0	0	0
		MALLORY-CICERO L33-34.5 KV LINE REF	C046681	24,500	599,900	1,599,500	0
		MAPLEWOOD-MENANDS 17/18 D/C-34.5KV	C046432	0	57,800	525,300	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	D/SUB T_Sub-T Overhead Line	MCINTYRE-HAMMOND 24, 23KV ACR	C069307	0	0	0	0
		MECH-SCHUYLERVILLE 4-34.5KV REFURB	C050323	0	0	0	129,000
		MENANDS-LIBERTY 9 RELOCATION	C033172	49,000	0	0	0
		N. ASHFORD-NUCLEAR FUEL SERVICES 81	C046467	192,500	0	0	0
		NASSAU-HUDSON 9, 34.5KV REFURB	C058581	0	0	88,000	1,660,000
		NILE-S. WELLSVILLE 812-34.5KV REFUR	C051765	0	0	0	55,000
		NUCLEAR FUELS 803/817 RELOCATION	C064168	658,296	0	0	0
		OHIO-RIDGE 613-34.5KV	C046453	120,000	877,000	0	0
		OLD FORGE-RACQUETTE LAKE 22 46KV	C074003	0	0	100,000	3,500,300
		PHILLIPS-BARKER 301-34.5KV	C046465	0	0	0	0
		PHILLIPS-TELEGRAPH 304-34.5KV	C046466	0	0	0	83,000
		QUEENSBURY-HENRY STREET 14-34.5KV	C046442	0	0	28,900	409,700
		REFURBISH H LINES 26H, 33H, 34H	C048911	0	0	40,000	390,150
		REFURBISH H LNS 26H, 34H	C048910	0	849,520	9,000	0
		REFURBISH H-LNS 27H,25H,33H,36H	C048909	0	542,100	7,000	0
		REFURBISH H-LNS 27H,28H,33H PT 1	C046470	379,050	0	0	0
		RE-FURBISH TEALL 25/WOODARD 24-34.5	C046446	0	82,000	600,000	600,090
		RELOCATE S. DOW-POLAND 865-34.5KV	C050177	1,022,560	1,749,440	0	0
		ROTTERDAM-SCOTIA-ROSA ROAD 32 34.5	C046455	0	65,000	554,440	9,130
		SCOTIA-ROSA RD 6, 34.5KV REFURB	C055164	0	0	87,000	578,000
		SHALETON-RIDGE 610, STATION 207 TAP	C046779	0	80,000	1,230,000	0
		SHORE ROAD-ROSA ROAD 5 34.5 KV	C074503	0	0	0	75,006
		SOLVAY 26	C046438	0	0	92,000	551,000
		SOLVAY/WOODARD-ASH ST 27&27&28- 34.	C046439	0	73,000	457,300	115,000
		STA 66 REPL./NEW SUBT POLE MTD STA.	CD00544	16,600	124,500	0	0
		STATE ST SUB-T RETIREMENT	C073600	0	0	2,000	0
		STATION 126 TAPS 33H/34H-23KV	C046450	0	0	24,800	312,000
		TAYLORVILLE-EFFLEY 24-23KV	C046437	30,710	652,000	0	0
		TEALL-HEADSON L31-L29-34.5 KV LINE	C046686	0	424,900	424,900	0
		TONAWANDA 601-604, 23KV - T22&T23	C067266	0	48,000	350,000	0
		TONAWANDA LINES 601-604-23KV	C046451	0	0	0	0
		TONAWANDA LINES 622-624-23KV	C046452	0	0	0	80,000
		TRENTON-PROSPECT 23-46KV	C046448	0	0	34,030	435,000
		TRENTON-WHITESBORO 25, 46KV	C058579	0	92,000	1,539,650	1,539,650
		UNION-AUSABLE FORKS 36-46KV REF	C050320	0	0	0	97,000
		VARICK-BRISTOL HILL 202-34.5KV	C046460	0	0	70,000	747,892
		W. MILTON TAP-34.5KV NEW LINE	CD00898	22,800	142,500	2,850,000	2,723,650
		W. PORTLAND-SHERMAN 867-34.5KV	C046468	0	2,000,000	1,600,000	20,000
		W. SALAMANCA-HOMER HILL 805-34.5KV	C050293	0	0	55,000	464,950
		WATERPORT TAP 301-34.5KV	C052515	0	0	0	0
		WEST PORTLAND-SHERMAN 867 RELOCATIO	C055118	0	0	74,000	2,280,010
		WOODARD 24/TEALL 25 REFURB N.-I90	C060445	0	0	50,000	939,290
		WOODARD 28-34.5KV	C046440	0	0	49,500	452,430
		WOODARD 29-34.5KV	C046473	0	0	75,000	790,160
		WOODARD-TEALL 32-34.5KV REFURBISH	C050322	0	0	0	75,000
		YAHNUNDASIS-CLINTON 24 -46KV	C046449	0	0	0	50,000
		YAHNUNDASIS-CLINTON 27, 46KV	C055143	0	0	50,020	419,840
	D/SUB T_Sub-T Overhead Line Total			3,947,856	12,631,360	19,570,290	30,829,921
Asset Condition Total				9,882,954	24,350,438	32,549,638	40,560,364
Customer Requests/Public Requirements	D/SUB T_Blanket	CNY SUB TRANS-LINE NEW BUSINESS	CNC0071	7,920	8,000	8,000	8,000
		CNY SUB TRANS-LINE PUBLIC REQUIRE	CNC0072	37,920	39,000	39,000	40,000
		ENY SUB TRANS-LINE NEW BUSINESS	CNE0071	27,960	29,000	29,000	29,000
		ENY SUB TRANS-LINE PUBLIC REQUIRE	CNE0072	3,960	4,000	4,000	4,000
		NY CENTRAL SUB T LINE THIRD PARTY	CNC0078	102,960	103,000	105,000	107,000
		NY WEST SUB T LINE THIRD PARTY	CNW0078	34,920	36,000	36,000	36,000
		WNY SUB TRANS-LINE NEW BUSINESS	CNW0071	30,960	32,000	32,000	32,000
		WNY SUB TRANS-LINE PUBLIC REQUIRE	CNW0072	51,960	53,000	53,000	53,000
	D/SUB T_Blanket Total			298,560	304,000	306,000	309,000
	D/SUB T_New Business	TESSY PLASTIC 34.5KV TAP	C073596	30,000	0	0	0
		TXD RESERVE FOR NEW BUSINESS COMMER	C046913	1,749,880	1,785,430	1,821,352	1,857,274
	D/SUB T_New Business Total			1,779,880	1,785,430	1,821,352	1,857,274
	D/SUB T_Public Requirements	DOTR NYSRT28 WHITE LK-MCKEEVER SUBT	C034722	0	0	0	93,960
	D/SUB T_Public Requirements Total			0	0	0	93,960
Customer Requests/Public Requirements Total				2,078,440	2,089,430	2,127,352	2,260,234
Damage/Failure	D/SUB T_Blanket	CNY SUB TRANS-LINE DAMAGE FAILURE	CNC0073	957,960	977,000	977,000	997,000
		ENY SUB TRANS-LINE DAMAGE FAILURE	CNE0073	1,020,000	1,040,000	1,040,000	1,061,000
		WNY SUB TRANS-LINE DAMAGE FAILURE	CNW0073	2,104,920	2,147,000	2,147,000	2,190,000
	D/SUB T_Blanket Total			4,082,880	4,164,000	4,164,000	4,248,000
Damage/Failure Total				4,082,880	4,164,000	4,164,000	4,248,000
Reliability	D/SUB T_Blanket	CNY SUB TRANS-LINE RELIABILITY	CNC0076	25,920	27,000	27,000	27,000
		ENY SUB TRANS-LINE RELIABILITY	CNE0076	51,960	53,000	53,000	54,000
		WNY SUB TRANS-LINE RELIABILITY	CNW0076	93,960	96,000	96,000	98,000
	D/SUB T_Blanket Total			171,840	176,000	176,000	179,000
	D/SUB T_Reliability	ALDER CREEK-O.F. 23, PH.I HENDRIX	C074002	75,000	825,000	0	0
		FAIRDALE TAP 28, 34.5KV, R280	C062637	150,000	0	0	0
		LINE 216 RECONDUCTORING	C051583	0	0	0	50,000
		LN863 FINDLEY LAKE - FRENCH CREEK E	C046510	0	0	0	145,500
		OHIO ST STATION - SUBT LINES	C055304	453,050	425,000	0	0
		W.ASHVILLE SUBSTATION TXD LN863 TAP	C048152	76,060	891,230	40,815	0
	D/SUB T_Reliability Total			754,110	2,141,230	40,815	195,500
	D/SUB T_Substaion Flood Mitigation	INDIAN CREEK RD STATION SUB-T	C061226	8,500	153,000	0	0
		UNION FALLS FLOOD MITIGATION_SUBT	C068247	537,570	336,160	0	0
	D/SUB T_Substaion Flood Mitigation Total			546,070	489,160	0	0
		DA - NE SUBT AUTOMATION WILTON SUB	C035863	0	127,070	0	0
		GR- INSTALL DA ON THE 312 LINE	C065706	0	16,600	0	415,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	D/SUB T_Sub-T Automation	INSTALL DA ON 201LINE	C069692	0	0	0	20,000
		INSTALL DA ON BROOK-BALLSTON 11	C069691	20,000	605,000	0	0
		INSTALL DA RATHBUN-LABRADOR 39	C069693	389,838	0	0	0
		NR- INSTALL DA ON 21 LINE	C064006	16,000	625,000	0	0
		NR- INSTALL DA ON THE 23 LINE	C064026	16,000	0	500,000	0
		SW- INSTALL DA ON 801 LINE	C064027	16,000	129,600	0	0
	D/SUB T_Sub-T Automation Total			457,838	1,503,270	500,000	435,000
Reliability Total				1,929,858	4,309,660	716,815	809,500
System Capacity	D/SUB T_Blanket	CNY SUB TRANS-LINE LOAD RELIEF	CNC0077	1,000	1,000	1,000	1,000
		ENY SUB TRANS-LINE LOAD RELIEF	CNE0077	1,000	1,000	1,000	1,000
		WNY SUB TRANS-LINE LOAD RELIEF	CNW0077	19,000	19,000	19,000	20,000
	D/SUB T_Blanket Total			21,000	21,000	21,000	22,000
	D/SUB T_Load Relief	BUFFALO 23KV RECONDUCTOR - HUNTLEY2	C028893	0	0	0	0
		EDEN SWITCH STRUCTURE -SUBT	C052023	0	1,433,100	218,450	66,300
		GOLAH AVON 217 LINE RECONDUCTORING	C036054	0	0	50,000	675,750
		INSTALL PARALLEL CABLE OF NEWARK-MA	CD01121	0	52,000	646,400	0
		LHH - MALLORY 34.5 KV 22 LINE REG.	C073226	0	0	0	50,000
		MALLORY-CICERO 33-34.5KV-RELOCATION	C054507	69,120	0	0	0
		STATION 3012 SUB-T	C074906	0	818,900	2,289,500	1,144,750
		VAN DYKE-DELMARBYPASS EXTEN REBUILT	C053683	0	0	149,500	0
	D/SUB T_Load Relief Total			69,120	2,304,000	3,353,850	1,936,800
System Capacity Total				90,120	2,325,000	3,374,850	1,958,800
Grand Total				18,064,252	37,238,528	42,932,655	49,836,898

Niagara Mohawk Power Corporation d/b/a National Grid NY
Illustrative example of Make Whole Provision

Line	Description	Includes	12 Month Bills	April 2019 Bills	Current Customer Charge	Proposed Customer Charge	April Customer Charge Unrealized Revenue	12 Month kWh Deliveries	April 2019 kWh Deliveries	Current kWh-Based Chg	Proposed kWh-Based Chg	April kWh Unrealized Revenue
1	Residential	SC-1	17,779,729	1,480,024	$17.00	$17.00	-	11,042,711	830,249	$0.04758	$0.05044	$2,374,513
2	Residential TOU	SC-1C	61,060	5,191	$30.00	$30.00	-	284,120	22,475	$0.03140	$0.03042	($22,025)
3	Small Gen No Dem	SC-2-ND	1,369,286	114,153	$21.02	$21.02	-	614,715	49,542	$0.05696	$0.05567	($63,909)
4	Small Gen Demand	SC-2-Dem	592,649	49,358	$52.52	$52.52	-	4,231,476	323,499	-	-	-
5	Large Gen-Sec	SC-3-S	45,119	3,762	$260.15	$325.00	243,957	4,418,259	356,656	-	-	-
6	Large Gen-Pri	SC-3-P	8,867	739	$436.70	$436.70	-	1,966,773	159,083	-	-	-
7	Large Gen-Tran	SC-3-T	2,128	177	$565.23	$639.00	$13,093.40	673,799	54,637	-	-	-
8	Large Gen TOU-S/P	SC-3A-S/P	977	88	$1,000.00	$1,333.33	$29,339.09	1,212,981	98,840	-	-	-
9	Large Gen TOU-SubT	SC-3A-U	812	63	$1,400.00	$1,744.00	$21,820.15	1,611,724	325,553	-	-	-
10	Large Gen TOU-Tran	SC-3A-T	1,126	95	$3,500.00	$4,007.00	$48,200.74	7,091,765	394,245	-	-	-

Line	Description	Includes	12 Month Bills	April 2019 Bills	12 Month Current Customer Charge	April Proposed Customer Charge	April Customer Charge Unrealized Revenue	12 Month kWh Deliveries	April 2019 kWh Deliveries	Current kWh-Based Chg	Proposed kWh-Based Chg	April kWh Unrealized Revenue
11	SC1	SC-L1	-	-	$1,559,340	$129,945	$129,945	21,736	1,724	$0.08787	$0.08646	($2,430)
12	SC2	SC-L2	-	-	$35,637,914	$2,969,826	$2,969,826	143,377	11,369	$0.08521	$0.08646	$14,212
13	SC3	SC-L3	-	-	$3,943	$329	$329	6,445	511	$0.05906	$0.05935	$148
14	SC4	SC-L4	-	-	$824,276	$68,690	$68,690	8,970	711	$0.01075	$0.01080	$36

NOTES:

(1) The revenue variance associated with the delay for the credit and collections, supply procurement and storage components of the MFC will flow through their annual reconciliations.
(2) The revenue variance associated with the delay in the bad debt rate will flow through the credit and collections annual reconciliation.
(3) The revenue variance associated with the delay in the working capital rate will flow through the supply procurement annual reconciliation.
(4) The revenue variance associated with the POR will be reconciled through a manual adjustment to the ESCo billing system.
(5) The same methodology will be applied to Consolidated Billing Charges.

Case 17-E-0238 and Case 17-G-0239
Appendix 1
Schedule 6
Page 1 of 3

Niagara Mohawk Power Corporation d/b/a National Grid NY
Illustrative example of Make Whole Provision

12 Month Billing Demand	April 2019 Billing Demand	Current Demand Charge	Proposed Demand Charge	April Demand Charge Unrealized Revenue	12 Month NYPA kW	April NYPA kW	NYPACredit	April Unrealized Credit Revenue	April Unrealized Distribution Revenue	11 Month Surcharge rate	11 Month Customer Charge
-	-	-	-	-					$2,374,513	$0.00023	$17.00
-	-	-	-	-					($22,025)	($0.00008)	$30.00
-	-	-	-	-					($63,909)	($0.00011)	$21.02
14,373,270	1,098,835	$10.27	$10.61	$372,019	15,033	1,235	($0.53)	($658)	$371,361	$0.02798	$52.52
11,400,129	920,087	$10.03	$10.21	$170,063	369,810	30,554	($0.70)	($21,384)	$148,679	$0.01419	$389.85
4,531,812	366,326	$8.15	$8.61	$170,102	396,583	33,196	($0.78)	($25,926)	$144,176	$0.03461	$436.70
1,762,316	142,235	$2.77	$2.68	($12,446)	292,985	24,921	($0.67)	($16,629)	($29,075)	($0.01795)	$712.77
2,489,126	202,460	$9.18	$9.58	$81,588	527,789	44,447	($0.85)	($37,938)	$43,650	$0.01909	$1,666.66
3,247,109	263,534	$3.56	$3.45	($29,137)	489,379	40,787	($0.89)	($36,382)	($65,519)	($0.02196)	$2,088.00
13,493,431	1,115,463	$2.84	$2.97	$143,810	6,619,042	561,968	($0.84)	($473,052)	($329,242)	($0.02660)	$4,514.00

12 Month Billing Demand	April 2019 Billing Demand	Current Demand Charge	Proposed Demand Charge	April Demand Charge Unrealized Revenue	12 Month NYPA kW	April NYPA kW	Credit	April Unrealized Credit Revenue	April Unrealized Distribution Revenue	11 Month Surcharge rate
-	-	-	-	-	-	-	-	-	$127,515	$0.00637
-	-	-	-	-	-	-	-	-	$2,984,038	$0.02261
-	-	-	-	-	-	-	-	-	$477	$0.00008
-	-	-	-	-	-		-	-	$68,725	$0.00832

Case 17-E-0238 and Case 17-G-0239
Appendix 1
Schedule 6
Page 2 of 3

Niagara Mohawk Power Corporation d/b/a National Grid NY
Illustrative example of Make Whole Provision applicable to Residential Gas

		(a) Current Rate per Therm	(b) Proposed Rate per Therm	(c) Change	(d) April 2018 Sales - (Therms) or Cust	(e) Lost Revenue	(f) FY 2019 Sales - (Therms)	(g) May 2018-Mar 2019 Sales - (Therms) or Cust	(h) Surcharge to be added to May 2018-Mar 2019 rates	(i) Revised May 2018-Mar 2019 Rates
SC1 Res										
	Block 2	$ 0.38520	$ 0.42819	$ 0.04299	23,544,653	$ 1,012,185	205,703,667	182,159,015	$ 0.0056	$ 0.4337
	Block 3	$ 0.06385	$ 0.07097	$ 0.00712	32,695,319	$ 232,791	305,457,432	272,762,113	$ 0.0009	$ 0.0718
SC2 Comm										
	Block 2	$ 0.29744	$ 0.29999	$ 0.00255	7,615,689	$ 19,420	66,800,863	59,185,174	$ 0.0003	$ 0.3003
	Block 3	$ 0.17302	$ 0.17450	$ 0.00148	13,255,113	$ 19,618	123,080,477	109,825,364	$ 0.0002	$ 0.1747
	Block 4	$ 0.05547	$ 0.05595	$ 0.00048	2,482,477	$ 1,192	24,974,361	22,491,885	$ 0.0001	$ 0.0560
SC3										
	Block 2	$ 0.09679	$ 0.09376	$ (0.00303)	845,461	$ (2,562)	8,214,182	7,368,721	$ (0.0003)	$ 0.0934
SC5										
	Block 1 (Cust Chg) per customer	$ 522.38	$ 554.83	$ 32.45	158	$ 5,127	1,896	1,738	$ 2.9500	$ 557.78
	Block 2	$ 0.06450	$ 0.07211	$ 0.00761	7,752,848	$ 58,999	79,974,659	72,221,810	$ 0.0008	$ 0.0729
SC7										
	Block 2	$ 0.11896	$ 0.12647	$ 0.00751	5,438,304	$ 40,842	50,680,674	45,242,369	$ 0.0009	$ 0.1274
SC8										
	Block 1 (Cust Chg) per customer	$ 924.04	$ 1,039.54	$ 115.50	60	$ 6,930	720	660	$ 10.50	$ 1,050.04
	Block 2	$ 0.06569	$ 0.07285	$ 0.00716	5,204,094	$ 37,261	57,818,086	52,613,992	$ 0.0007	$ 0.0736
	Block 3	$ 0.06182	$ 0.06856	$ 0.00674	9,258,021	$ 62,399	87,162,377	77,904,356	$ 0.0008	$ 0.0694
	Block 4	$ 0.05333	$ 0.05915	$ 0.00582	7,158,928	$ 41,665	90,935,978	83,777,050	$ 0.0005	$ 0.0596
SC12*										
	Block 2	$ 0.05074	$ 0.04490	$ (0.00584)	3,765	$ (22)	63,237	59,472	$ (0.0004)	$ 0.0445
NYSEG										
	Block 1 (Cust Chg) per customer	$ 810.07	$ 897.50	$ 87.43	1	$ 87	12	11	$ 7.95	$ 905.45
	Block 2	$ 0.03228	$ 0.03565	$ 0.00337	331,283	$ 1,116	2,879,234	2,547,950	$ 0.0004	$ 0.0361
	Demand	$ 0.50974	$ 0.56306	$ 0.05332	300,000	$ 15,996	3,600,000	3,300,000	$ 0.0048	$ 0.5679

	(j) Current Rate per bill	(k) Proposed Rate per bill	(l) Change	(m) # Bills	(n) Incremental Revenue	(o) FY 2019 # Bills	(p) May 2018-Mar 2019 # Bills	(q) Credit to be removed from May 18 - Mar 19 rates	(s) Revised May 2018-Mar 2019 Rates
Consolidated Billing Charge	$ 1.24	$ 0.98	$ (0.26)	573,867	$ (149,205)	6,882,156	6,308,289	$ (0.02)	$ 0.96

(a)	Appendix 3, Schedule 4.5	(j)	Current rates
(b)	Appendix 3, Schedule 4.5	(k)	G-RDP-9CU, Schedule 3
(c)	Column (b) - Column (a)	(l)	Column (k) - Column (j)
(d)	Total April 2018 therm sales or customers	(m)	Total April 2018 # of bills
(e)	Column (d) x Column (c)	(n)	Column (l) x Column (m)
(f)	Total FY 2019 therms sales or customers	(o)	Total FY 2019 # of bills
(g)	Column (f) - Column (d)	(p)	Column (o) - Column (m)
(h)	Column (e) / Column (g)	(q)	Column (n) / Column (p)
(i)	Column (b) + Column (h)	(r)	Column (k) + Column (q)

* SC12 shown above is for a customer with a DG unit rated at less than 5 MW with annual consumption less than 250,000 therms. A similar calculation would be done for all other SC12 customers experiencing a rate change

NOTES:

(1) The revenue variance associated with the delay for the credit and collections, supply procurement and storage components of the MFC will flow through their annual reconciliations.
(2) The revenue variance associated with the delay in the bad debt rate will flow through the credit and collections annual reconciliation.
(3) The revenue variance associated with the delay in the working capital rate will flow through the supply procurement annual reconciliation.
(4) The revenue variance associated with the delay in the LAUF percentage will flow through the annual MCG reconciliations.
(5) The revenue variance associated with the POR will be reconciled through a manual adjustment to the ESCo billing system

Case 17-E-0238 and Case 17-G-0239
Appendix 1
Schedule 6
Page 3 of 3

Niagara Mohawk Power Corporation d/b/a National Grid
Information Services and GBE Service Company Capital Investment Plan
For the Rate Years Ending March 31, 2019, March 31, 2020 and March 31, 2021

Line	Program	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
1	Cyber Security	$ 18,542,907	$ 24,919,065	$ 12,570,378	$ 10,446,875
2	FY18 Plan	$ 131,673,810	$ 20,084,319	$ 10,244,223	$ 1,837,989
3	Growth Play Book	$ 1,956,386	$ 8,206,270	$ 7,835,344	$ -
4	NY REV / Grid Mod	$ 8,526,273	$ 5,990,748	$ 17,960,894	$ 44,088,570
5	Other Mandates	$ 5,590,114	$ 1,438,333	$ -	$ -
6	Physical Security	$ 4,159,184	$ 1,100,000	$ 1,117,000	$ 1,150,000
7	PSC Mandate	$ 15,778,137	$ 1,144,727	$ -	$ -
8	Tech. Modernization	$ 17,198,828	$ 27,116,538	$ 40,272,161	$ 38,476,566
		$ 203,425,639	$ 90,000,000	$ 90,000,000	$ 96,000,000

*$6M CAPEX investment for DSCADA in RY3, incremental to $90M (capex would not go into service until after the term of the rate plan – no revenue requirement impact).

Line	Program	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
1	GBE- Asset Management	$ 6,635,456	$ 10,277,160	$ 12,159,233	$ 14,417,840
2	GBE- Business Enablement	$ 725,706	$ 1,544,524	$ 501,132	$ 557,783
3	GBE- Customer Engagement	$ -	$ 25,026,756	$ 15,151,548	$ 3,721,487
4	GBE- Data Management	$ 10,043,001	$ 1,979,883	$ 145,481	$ -
5	GBE- Information Services Enabling	$ 15,936,847	$ 13,112,118	$ 8,364,413	$ 6,026,660
6	GBE- Portfolio Office	$ 3,243,776	$ 5,498,203	$ 4,611,598	$ 1,763,106
7	GBE- Regulatory and Compliance	$ 750,000	$ 1,275,000	$ 693,750	$ -
8	GBE- Supply Chain	$ -	$ 508,541	$ 217,614	$ -
9	GBE- Work Management	$ 15,388,749	$ 33,082,909	$ 26,321,259	$ 18,745,414
		52,723,536	92,305,092	68,166,028	45,232,289

Niagara Mohawk Power Corporation d/b/a National Grid
Information Services Service Company Capital Investment Plan
For the Rate Years Ending March 31, 2019, March 31, 2020 and March 31, 2021

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
Cyber Security	Cloud Security	$ 1,460,000	$ -	$ -	$ -
	Risk Based Authentication - 2FA token alternative	$ -	$ 235,080	$ -	$ -
	INVP 3614D1 Ent Network Security	$ 9,674,142	$ -	$ -	$ -
	Threat Behavior Modeling	$ -	$ 800,000	$ -	$ -
	Identity & Access Management :Role Base Access Management (RBAC)	$ -	$ 1,650,000	$ -	$ -
	Enhanced DLP Gateway and Endpoint	$ -	$ 2,238,480	$ -	$ -
	INVP 3614B7 CNI Network Security	$ 4,829,586	$ -	$ -	$ -
	INVP 3614E4 US CNI Security I&E	$ 1,340,144	$ -	$ -	$ -
	US CNI Intrusion Detection/Prevention Phase 1	$ 80,409	$ 469,591	$ -	$ -
	Identity & Access Management: Fine Grain Access Management	$ 241,228	$ 1,408,772	$ -	$ -
	vStig Scaling Upgrades	$ 146,199	$ 853,801	$ -	$ -
	IT/OT Discovery and Implementation Phase 1	$ 482,456	$ 4,741,561	$ 275,983	$ -
	Security Research Lab	$ 47,515	$ 250,305	$ 27,180	$ -
	US CNI Security Enhancements Phase 1	$ 241,228	$ 1,270,780	$ 137,992	$ -
	Identity & Access Management: Privileged Access Management	$ -	$ 1,740,000	$ -	$ -
	Domain Based Security Phase 1	$ -	$ 800,000	$ -	$ -
	Security Incident Event Management Phase 4	$ -	$ 1,120,783	$ 145,517	$ -
	Big Data Security Analytics Phase 1	$ -	$ 4,090,466	$ 531,086	$ -
	US CNI Intrusion Detection/Prevention Phase 2	$ -	$ 269,465	$ 530,535	$ -
	Identity & Access Management: Shared Area Access Management	$ -	$ 586,086	$ 1,153,914	$ -
	Security Incident Event Management Phase 5	$ -	$ 246,948	$ 286,669	$ 199,534
	Domain Based Security Phase 2	$ -	$ 1,400,000	$ 2,484,896	$ 1,687,806
	Security Incident Event Management (SIEM) 6	$ -	$ 246,948	$ 277,723	$ 166,362
	Big Data Security Analytics - Phase 2	$ -	$ 500,000	$ 2,188,347	$ 2,464,628
	IT/OT Discovery and Implementation: Phase 2	$ -	$ -	$ 2,651,651	$ 3,469,885
	US CNI Security Enhancements - Phase 2	$ -	$ -	$ 1,500,077	$ 1,962,963
	Data Visualization	$ -	$ -	$ 378,807	$ 495,698
Sub Total Cyber Security		$ 18,542,907	$ 24,919,065	$ 12,570,378	$ 10,446,875
FY18 Plan	INVP 4045 Double Pole Mgmt DB	$ 432,455	$ -	$ -	$ -
	INVP 4373 Contingent Labor Admin Replacement	$ 259,667	$ -	$ -	$ -
	INVP 3955 EJ Ward Upgrade	$ -	$ -	$ -	$ -
	INVP 4188 Aging System Stabilize	$ 854,204	$ -	$ -	$ -
	INVP 4280 US VSTIG Bandwidth Ph2	$ 2,256,401	$ -	$ -	$ -
	INVP 4307 US Win 7 Refresh Ph 3	$ 13,464,281	$ -	$ -	$ -
	INVP 4364 Wireless Network	$ 2,303,959	$ -	$ -	$ -
	S005242 M112 Systemic Improvement	$ 8,275,650	$ -	$ -	$ -
	INVP 4289 US Network Improvement	$ 1,336,479	$ -	$ -	$ -
	HANA License Costs	$ 3,826,068	$ -	$ -	$ -
	Microsoft ELA Renewal	$ 3,207,476	$ -	$ -	$ -
	Mobile Device Refresh - FY17	$ 4,138,561	$ -	$ -	$ -
	Zscaler	$ 1,100,000	$ 1,000,000	$ -	$ -
	INVP 2577C ArcFM Software Upgrade	$ -	$ -	$ -	$ -

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 2 of 8

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
	INVP 4631 Box Enablement	$ 254,000	$ -	$ -	$ -
	INVP 4170 Time Transformation	$ 2,676,143	$ -	$ -	$ -
	INVP 4420 US CNI OMSFocalPoint Infrastructure Upgrade	$ 705,521	$ -	$ -	$ -
	INVP 4274 VSTIG Hardware Refresh	$ 608,000	$ -	$ -	$ -
	US Video Conferencing upgrade for RW	$ 1,702,730	$ -	$ -	$ -
	Hix D/C Improvement Server Refresh	$ 1,000,000	$ -	$ -	$ -
	INVP 4464 Data Visualization	$ 7,067,413	$ -	$ -	$ -
	Mobility - (MDM) Mobile Device	$ 1,162,000	$ -	$ -	$ -
	Changes to ACIS for PMCC Civil Vendor Billing	$ 382,000	$ -	$ -	$ -
	INVP 4461 Unix51 Interface Migration	$ 1,386,701	$ -	$ -	$ -
	INVP 4287 Active Directory Upgrade	$ 804,825	$ -	$ -	$ -
	US Control-Gas System Operating Procedure (SOP) Upgrade	$ 79,240	$ 417,432	$ 45,328	$ -
	Enterprise Labs	$ 668,000	$ -	$ -	$ -
	Cascade Electric Application Upgrade Project	$ 375,000	$ -	$ -	$ -
	INVP 4408 Doc Mgmt Systems Replacement Delivery	$ 3,855,044	$ -	$ -	$ -
	WIFI for Fleet Services Diagnostic Laptops	$ 838,000	$ -	$ -	$ -
	Gas Service Database - UNY	$ 325,000	$ -	$ -	$ -
	Gas Service Database - DNY (LI and NYC)	$ -	$ -	$ -	$ -
	Substation Monitoring-DobleARMS	$ -	$ -	$ -	$ -
	Gas Capital Investment Planning Tool	$ 83,626	$ 440,537	$ 47,837	$ -
	Computapole Enhancements to Support Inspection Types	$ 65,789	$ 346,576	$ 37,634	$ -
	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	$ 180,117	$ 948,849	$ 103,034	$ -
	Ageing System Stabilization/Upgrades - FY18	$ 219,298	$ 1,155,255	$ 125,447	$ -
	INVP 3486 US MDS-Itron Enterprise Edition (IEE)	$ 758,544	$ -	$ -	$ -
	INVP 4390 Plastic Fusion II	$ 506,000	$ -	$ -	$ -
	INVP 4397 Ariba TLS and CI Update	$ 1,602,226	$ -	$ -	$ -
	US Mobile Device Refresh	$ 4,500,000	$ -	$ -	$ -
	US SAP: Infrastructure Landscape	$ 4,142,700	$ -	$ -	$ -
	US CNI Tech Services-Network Equipment Lifecycle Replacements	$ 9,207,521	$ -	$ -	$ -
	US CNI-EMS Lifecycle Hardware and Software Upgrade	$ 3,213,537	$ -	$ -	$ -
	Network Transformation Completion - CEMS	$ 36,550	$ 167,542	$ 20,908	$ -
	Application monitoring, Network/IDS, Operations monitoring	$ 675,000	$ -	$ -	$ -
	Aged Printer refresh	$ 45,000	$ -	$ -	$ -
	RSA Token refresh	$ 536,718	$ -	$ -	$ -
	Acquisition of Remote Sensing Data - Mass	$ -	$ -	$ -	$ -
	INVP4449 - EPA File	$ 630,000	$ -	$ -	$ -
	Informatica Upgrade/Microstrategy Replacement Program	$ 2,012,928	$ 1,151,472	$ -	$ -
	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	$ 13,292,340	$ 10,273,671	$ -	$ -
	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	$ -	$ 654,799	$ 1,289,201	$ -
	INVP 4398 Storms/ISched Upgrade	$ 7,683,338	$ 1,276,942	$ -	$ -
	General Ledger Interface CRIS SAP	$ -	$ -	$ -	$ -
	STORMS Capital Cost Estimates	$ -	$ 235,243	$ 463,157	$ -
	CRIS Data Archival	$ -	$ -	$ -	$ -
	US CNI Tech Services-Network Equipment Lifecycle Replacements	$ -	$ -	$ -	$ -
	Inventory Management Handheld Devices	$ 129,283	$ -	$ -	$ -
	Customer Bill Redesign	$ -	$ -	$ -	$ -
	INVP 3737 US CNI GMS SCADA Upgrade &	$ 16,808,477	$ 1,500,000	$ 5,028,785	$ -
	Cisco Prime	$ -	$ 216,000	$ 216,000	$ 120,654
	Contractor Management Modernization	$ -	$ 300,000	$ 2,866,892	$ 1,717,334
Sub Total FY18 Plan		$ 131,673,810	$ 20,084,319	$ 10,244,223	$ 1,837,989
Growth Play Book	Customer Experience Transformation-Communication Preference Management	$ -	$ 673,662	$ 1,326,338	$ -
	Customer Experience Transformation-MyAccount Portal	$ -	$ 2,863,062	$ 5,636,938	$ -

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 3 of 8

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
	Governance Risk & Compliance (GRC) Optimization/Upgrade	$ 922,028	$ 617,972	$ -	$ -
	US SAP: Business Planning	$ 1,034,358	$ 3,608,642	$ -	$ -
	US SAP: FERC on Hana (FOH)	$ -	$ 442,933	$ 872,067	$ -
Sub Total Growth Play Book		$ 1,956,386	$ 8,206,270	$ 7,835,344	$ -
NY REV/Grid Mod	DRMS for C&I Demand Response	$ -	$ 1,190,159	$ 2,239,474	$ -
	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	$ 8,526,273	$ -	$ -	$ -
	Plant Information Historian	$ -	$ 2,500,000	$ 3,100,000	$ 5,827,818
	DG IOAP Phase II (Tactical)	$ -	$ 308,482	$ 607,355	$ -
	E-Commerce Marketplace	$ -	$ 532,244	$ 598,573	$ 449,335
	AMI - Telecoms	$ -	$ -	$ 491,473	$ 805,949
	AMI - CSS Enhancements	$ -	$ -	$ -	$ -
	Green Button Connect	$ -	$ 1,035,000	$ 1,163,984	$ 873,775
	DSP - DG IOAP	$ -	$ -	$ -	$ -
	AMI - Telecoms	$ -	$ -	$ -	$ -
	Outdoor Lighting Inventory Portal	$ -	$ 370,514	$ 416,688	$ 312,798
	DRMS for C&I Demand Response (Renewal)	$ -	$ -	$ 2,000,000	$ 5,639,675
	Grid MOD - ABB/ADMS & D-SCADA	$ -	$ -	$ -	$ 6,000,000
	AMI - Telecoms	$ -	$ -	$ 743,347	$ 972,726
	AMI - Enterprise Service Bus & API Integration	$ -	$ -	$ -	$ 2,740,467
	AMI - Enterprise Service Bus & API Integration	$ -	$ -	$ -	$ 6,099,748
	AMI - Info Mgt & Advanced Analytics	$ -	$ -	$ -	$ -
	AMI - Info Mgt & Advanced Analytics	$ -	$ -	$ -	$ -
	IS-Cloud Computing & Data Lake	$ -	$ -	$ -	$ -
	IS-Cloud Computing & Data Lake	$ -	$ -	$ 1,300,000	$ 2,759,823
	Cyber Security	$ -	$ -	$ 2,300,000	$ 4,498,947
	Cyber Security	$ -	$ -	$ 3,000,000	$ 7,107,510
	Residential Solar Marketplace	$ -	$ 54,350	$ -	$ -
Sub Total REV/Grid Mod		$ 8,526,273	$ 5,990,748	$ 17,960,894	$ 44,088,570
Other Mandates	INVP 3882 NYS Pipeline Safety CMS	$ 1,668,447	$ -	$ -	$ -
	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	$ 1,234,000	$ -	$ -	$ -
	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	$ 1,126,000	$ -	$ -	$ -
	Regulatory Mandates - FY18	$ -	$ -	$ -	$ -
	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	$ 1,561,667	$ 1,438,333	$ -	$ -
	Regulatory Mandates - FY19	$ -	$ -	$ -	$ -
	Regulatory Mandates - FY20	$ -	$ -	$ -	$ -
	Regulatory Mandates - FY21	$ -	$ -	$ -	$ -
Sub Total Other Mandates		$ 5,590,114	$ 1,438,333	$ -	$ -
Physical Security	Physical Security Replacements - FY17	$ 2,719,184	$ -	$ -	$ -
	Physical Security Replacements - FY17	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY17	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY18	$ 950,000	$ -	$ -	$ -
	All NIMO Physical Security Replacements - FY18	$ 490,000	$ -	$ -	$ -
	Physical Security Replacements - FY18	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY18	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY19	$ -	$ 825,000	$ -	$ -
	All NIMO Physical Security Replacements - FY19	$ -	$ 275,000	$ -	$ -
	Physical Security Replacements - FY19	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY19	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY20	$ -	$ -	$ 835,000	$ -
	All NIMO Physical Security Replacements - FY20	$ -	$ -	$ 282,000	$ -
	Physical Security Replacements - FY20	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY20	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY21	$ -	$ -	$ -	$ 860,000

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 4 of 8

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
	All NIMO Physical Security Replacements - FY21	$ -	$ -	$ -	$ 290,000
	Physical Security Replacements - FY21	$ -	$ -	$ -	$ -
	Physical Security Replacements - FY21	$ -	$ -	$ -	$ -
Sub Total Physical Security		$ 4,159,184	$ 1,100,000	$ 1,117,000	$ 1,150,000
PSC Mandate	INVP 4451 Gas Transportation System Phase II	$ -	$ -	$ -	$ -
	INVP 4347 NYC Leave on for Landlord Program	$ -	$ -	$ -	$ -
	INVP 4124 Auto Remote Net Meter	$ 3,584,165	$ -	$ -	$ -
	INVP 3839A NY Retail Access Ph2	$ 5,356,231	$ -	$ -	$ -
	INVP 4411AB Distributed Generation Portal	$ 3,347,611	$ -	$ -	$ -
	INVP 4383 NY Community Choice Aggregation	$ 551,447	$ -	$ -	$ -
	INVP 4448 Low Income Order CRIS	$ -	$ -	$ -	$ -
	INVP 4448 Low Income Order CSS	$ 2,489,410	$ -	$ -	$ -
	INVP 4411C New Electric Connections	$ 444,010	$ 253,990	$ -	$ -
	INVP 4411D New Gas Connections	$ 5,263	$ 890,737	$ -	$ -
Sub Total PSC Mandate		$ 15,778,137	$ 1,144,727	$ -	$ -
Tech. Modernization	CPE Buyback	$ 5,135,450	$ -	$ -	$ -
	Active Directory Improvements	$ 275,000	$ -	$ -	$ -
	Application Performance Management (APM)	$ 54,825	$ 288,814	$ 31,362	$ -
	RAS/VPN Re-Platform/Mobile	$ 600,000	$ -	$ -	$ -
	US Network Programme	$ 2,237,779	$ 787,221	$ -	$ -
	US VSTIG Programme	$ 2,700,000	$ -	$ -	$ -
	US Wireless Programme	$ 1,950,000	$ -	$ -	$ -
	Monitoring and Alerting	$ 65,789	$ 346,576	$ 37,634	$ -
	RSA Re-platform	$ 40,936	$ 215,648	$ 23,417	$ -
	Cloud Broker - Hybrid Enablement	$ 250,000	$ -	$ -	$ -
	Office 2010 Upgrade	$ 116,959	$ 616,136	$ 66,905	$ -
	Citrix Infrstructure Upgrade (Xenapp and NetScaler)	$ 318,058	$ 181,942	$ -	$ -
	Business Innovation Projects 1	$ 492,487	$ 2,594,404	$ 281,721	$ -
	Data Security	$ -	$ 548,076	$ 1,026,924	$ -
	Orchestration and Self Service	$ -	$ 252,623	$ 497,377	$ -
	Virtual Desktop - DaaS	$ 349,864	$ 200,136	$ -	$ -
	SCI connections	$ 63,612	$ 36,388	$ -	$ -
	US SAP: Dynamic Storage Tiering	$ -	$ 456,406	$ 513,284	$ 385,310
	ICE Replacement	$ 2,548,068	$ 767,932	$ -	$ -
	US Network Programme	$ -	$ -	$ 2,075,000	$ -
	US VSTIG Programme	$ -	$ -	$ 643,973	$ 1,056,027
	US Wireless Programme	$ -	$ -	$ 568,211	$ 931,789
	Data Visualisation Expansion	$ -	$ 943,126	$ 929,380	$ 927,494
	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	$ -	$ 796,942	$ 896,258	$ 672,800
	Monitoring and Alerting	$ -	$ -	$ 378,807	$ 621,193
	MWORK and Netmotion Risk Avoidance	$ -	$ 168,415	$ 189,404	$ 142,181
	Improving End User Experience- Cloud based DMZ Service Platform	$ -	$ 300,000	$ -	$ -
	Mobile Broadband POC	$ -	$ 100,000	$ -	$ -
	FY19 Edge Projects	$ -	$ 336,831	$ 378,807	$ 284,362
	FY19 Network Projects	$ -	$ 336,831	$ 378,807	$ 284,362
	Digital Asset Management (DAM)	$ -	$ 168,415	$ 189,404	$ 142,181
	Business Innovation Projects 1	$ -	$ 1,338,308	$ 2,634,928	$ -
	Business Innovation Projects 2	$ -	$ 1,134,653	$ 2,233,960	$ -
	Business Innovation Projects 3	$ -	$ 1,134,653	$ 2,233,960	$ -
	EUC, network, and data center strategy	$ -	$ 519,682	$ 1,023,176	$ -
	Data Security	$ -	$ 530,509	$ 1,044,491	$ -
	FY19 Data Centre Projects	$ -	$ 673,662	$ 1,326,338	$ -
	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	$ -	$ 3,300,000	$ -	$ -

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 5 of 8

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
	US Video Conference Programme	$ -	$ 1,000,000	$ 650,000	$ -
	US SAP: Enhancement Pack 9 Upgrade	$ -	$ 1,600,798	$ 3,341,460	$ 3,878,743
	US Network Programme	$ -	$ 530,509	$ 596,622	$ 447,870
	US VSTIG Programme	$ -	$ -	$ 265,165	$ 434,835
	US Wireless Programme	$ -	$ -	$ 568,211	$ 931,789
	Monitoring and Alerting	$ -	$ -	$ 378,807	$ 621,193
	Service Now - Release 3	$ -	$ -	$ 1,235,433	$ 2,164,567
	IS Tools	$ -	$ 173,770	$ 151,523	$ 74,707
	FY20 Edge Projects	$ -	$ 665,020	$ 757,615	$ 577,366
	FY20 Network Projects	$ -	$ 996,989	$ 1,518,240	$ 1,484,771
	EMM Licenses	$ -	$ 444,617	$ 500,026	$ 375,358
	Business Innovation Projects 2	$ -	$ 800,000	$ 1,505,091	$ 1,668,145
	Business Innovation Projects 3	$ -	$ 800,000	$ 1,507,364	$ 1,671,872
	Data Security	$ -	$ 530,509	$ 596,622	$ 447,870
	Hardware and Software Upgrades	$ -	$ -	$ 2,296,454	$ 5,203,546
	Data Centre Consolidation efforts	$ -	$ 500,000	$ 1,000,000	$ 2,000,000
	FY20 Data Centre Projects	$ -	$ -	$ 1,400,000	$ 2,600,000
	Enterprise Data Management Platform	$ -	$ -	$ 800,000	$ 2,554,794
	Business Innovation Projects 2	$ -	$ -	$ 800,000	$ 2,945,722
	Business Innovation Projects 3	$ -	$ -	$ 800,000	$ 2,945,722
Sub Total Tech Modernization		$ 17,198,828	$ 27,116,538	$ 40,272,161	$ 38,476,566
Grand Total CAPEX Investment		$ 203,425,639	$ 90,000,000	$ 90,000,000	$ 96,000,000

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 6 of 8

Niagara Mohawk Power Corporation d/b/a National Grid
GBE Service Company Capital Investment Plan
For the Rate Years Ending March 31, 2019, March 31, 2020 and March 31, 2021

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
GBE- Asset Management	Risk Management (Tx Mains & Dx Mains)	$ 1,899,720	$ -	$ -	$ -
	AM Program Leadership-1	$ 249,412	$ -	$ -	$ -
	Enhancements	$ 2,059,930	$ 334,858	$ -	$ -
	Additional IM Modules	$ -	$ 543,810	$ 104,161	$ -
	AM Program Leadership-2	$ -	$ 358,808	$ -	$ -
	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	$ 2,426,395	$ 5,142,170	$ 2,684,574	$ -
	EAM-FIN Integration	$ -	$ 881,466	$ 738,793	$ -
	Integrity Management Integrations	$ -	$ 334,682	$ 662,525	$ -
	AM Program Leadership-3	$ -	$ -	$ 377,711	$ -
	Design (GWD), Estimating (CU), & Mobility	$ -	$ 1,556,366	$ 4,551,527	$ 3,041,182
	Asset Analytics Integration	$ -	$ -	$ -	$ 1,675,992
	GIS (GWD/CU) - PPM Integration	$ -	$ -	$ -	$ 802,606
	GIS-EAM Integration	$ -	$ 1,125,000	$ 3,039,942	$ 3,118,216
	AM Program Leadership-4	$ -	$ -	$ -	$ 98,733
	Use Case No.1 - Asset Risk	$ -	$ -	$ -	$ 3,411,480
	Complex Design (CAD) & Estimating (ESW)	$ -	$ -	$ -	$ 2,269,632
Sub Total Asset Management		$ 6,635,456	$ 10,277,160	$ 12,159,233	$ 14,417,840
GBE- Business Enablement	Program Learning Management-1	$ 105,567	$ -	$ -	$ -
	Program Transformational Change Office-1	$ 620,139	$ -	$ -	$ -
	Program Business Sustainment-1	$ -	$ 62,655	$ -	$ -
	Program Learning Management-2	$ -	$ 117,190	$ -	$ -
	Program Transformational Change Office -2	$ -	$ 1,364,679	$ -	$ -
	Program Learning Management-3	$ -	$ -	$ 160,081	$ -
	Program Transformational Change Office-3	$ -	$ -	$ 341,051	$ -
	Program Business Sustainment-2	$ -	$ -	$ -	$ 210,682
	Program Learning Management-4	$ -	$ -	$ -	$ 185,935
	Program Transformational Change Office-4	$ -	$ -	$ -	$ 161,166
Sub Total Business Enablement		$ 725,706	$ 1,544,524	$ 501,132	$ 557,783
GBE- Customer Engagement	Customer Experience Program Leadership-1	$ -	$ 234,206	$ -	$ -
	CxT Portal & Channel Management	$ -	$ 6,011,719	$ 4,805,664	$ -
	Customer Interaction - First Release	$ -	$ 1,602,424	$ 2,789,869	$ -
	Employee Support Interaction - First Release	$ -	$ 3,484,256	$ 3,776,530	$ -
	Customer Experience Program Leadership-2	$ -	$ -	$ 246,306	$ -
	CRM / Contact Center	$ -	$ 13,680,000	$ 3,515,000	$ -
	Large Commercial & Landlord Interaction	$ -	$ 14,150	$ 18,179	$ 1,340,576
	Employee Support Interaction - Second Release	$ -	$ -	$ -	$ 278,152
	Customer Interaction - Second Release	$ -	$ -	$ -	$ 1,909,741
	Customer Experience Program Leadership-3	$ -	$ -	$ -	$ 193,018
Sub Total Customer Engagement		$ -	$ 25,026,756	$ 15,151,548	$ 3,721,487
GBE- Data Management	Data Management Implementation (Quality & Cleansing)	$ 9,990,000	$ -	$ -	$ -
	Data Management & Governance Program Leadership-1	$ 53,001	$ -	$ -	$ -
	Enable the Data Archive Process	$ -	$ 1,900,724	$ 62,497	$ -
	Data Management & Governance Program Leadership-2	$ -	$ 79,159	$ -	$ -
	Data Management & Governance Program Leadership-3	$ -	$ -	$ 82,985	$ -
Sub Total Data Management		$ 10,043,001	$ 1,979,883	$ 145,481	$ -

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 7 of 8

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
GBE- Information Services Enabling	Powerplan Remediation	$ 5,472,100	$ -	$ -	$ -
	Comprehensive Integration Services (Enhancements)	$ 70,762	$ -	$ -	$ -
	Application (Environment) Infrastructure	$ 1,956,969	$ -	$ -	$ -
	Development Operations & BPA Enablement-1	$ 2,613,528	$ -	$ -	$ -
	SAP and Application Integration Development- Release 1-1	$ 4,288,668	$ -	$ -	$ -
	Mobility CoE & End-User Computing-1	$ 544,311	$ -	$ -	$ -
	Operations/System Monitoring	$ 500,000	$ 451,992	$ -	$ -
	Development Operations & BPA Enablement-2	$ -	$ 2,305,810	$ -	$ -
	SAP and Application Integration Development- Release 1-2	$ -	$ 4,093,351	$ -	$ -
	SAP and Application Integration Development- Release 2-1	$ -	$ 4,550,140	$ -	$ -
	Mobility CoE & End-User Computing-2	$ -	$ 828,483	$ -	$ -
	Development Operations & BPA Enablement-3	$ -	$ -	$ 2,001,833	$ -
	SAP and Application Integration Development- Release 1-3	$ -	$ -	$ 555,000	$ -
	SAP and Application Integration Development- Release 2-2	$ -	$ -	$ 4,067,285	$ -
	SAP and Application Integration Development- Release 3-1	$ -	$ -	$ 79,471	$ -
	Mobility CoE & End-User Computing-3	$ -	$ -	$ 954,455	$ -
	Test Automation Implementation	$ 490,509	$ 882,343	$ 706,369	$ 273,617
	Development Operations & BPA Enablement-4	$ -	$ -	$ -	$ 2,067,614
	SAP and Application Integration Development- Release 1-4	$ -	$ -	$ -	$ 570,000
	SAP and Application Integration Development- Release 3-2	$ -	$ -	$ -	$ 2,210,275
	Mobility CoE & End-User Computing-4	$ -	$ -	$ -	$ 905,153
Sub Total Information Services Enabling		$ 15,936,847	$ 13,112,118	$ 8,364,413	$ 6,026,660
GBE- Portfolio Office	Portfolio Management Leadership-1	$ 1,481,327	$ -	$ -	$ -
	Solution Architects & Agile Coaches-1	$ 1,762,449	$ -	$ -	$ -
	Portfolio Management Leadership-2	$ -	$ 1,930,034	$ -	$ -
	Solution Architects & Agile Coaches-2	$ -	$ 3,568,169	$ -	$ -
	Portfolio Management Leadership-3	$ -	$ -	$ 1,999,129	$ -
	Solution Architects & Agile Coaches-3	$ -	$ -	$ 2,612,469	$ -
	Portfolio Management Leadership-4	$ -	$ -	$ -	$ 1,763,106
Sub Total Portfolio Office		$ 3,243,776	$ 5,498,203	$ 4,611,598	$ 1,763,106
GBE- Regulatory and Compliance	Regulatory/ Compliance	$ 750,000	$ 1,275,000	$ 693,750	$ -
Sub Total Regulatory and Compliance		$ 750,000	$ 1,275,000	$ 693,750	$ -
GBE- Supply Chain	Supply Chain Program Leadership	$ -	$ 508,541	$ -	$ -
	Supply Chain Program Leadership	$ -	$ -	$ 217,614	$ -
Sub Total Supply Chain		$ -	$ 508,541	$ 217,614	$ -
GBE- Work Management	Business Architecture Design	$ 2,703,676	$ -	$ -	$ -
	WMFE Program Leadership-1	$ 210,612	$ -	$ -	$ -
	Corrosion and I&R Work	$ 7,001,291	$ 15,209,135	$ 1,666,296	$ -
	CU Governance & Library - process	$ -	$ 1,492,595	$ -	$ -
	WMFE Program Leadership-2	$ -	$ 507,323	$ -	$ -
	Company Driven Work: Collections and non-Appointment Offs - Gas	$ 2,366,407	$ 1,359,354	$ 1,083,093	$ -
	Company Driven Work: Collections and non-Appointment Offs- Electric	$ 1,274,219	$ 731,959	$ 583,203	$ -
	Customer, Leak Investigation & Inspections - Gas	$ 1,191,154	$ 7,886,615	$ 9,516,426	$ -
	Customer, Leak Investigation & Inspections - Electric	$ 641,390	$ 4,246,639	$ 5,124,229	$ -
	WMFE Program Leadership-3	$ -	$ -	$ 550,379	$ -
	PowerPlan Integration & Enhancements	$ -	$ -	$ 846,783	$ 979,855
	Construction Work & Leak Repair	$ -	$ 1,649,290	$ 6,630,034	$ 10,182,467
	WMFE Program Leadership-4	$ -	$ -	$ -	$ 147,309
	Work Forecasting & Planning - solution	$ -	$ -	$ -	$ 1,623,080
	Core Projects & Program Management	$ -	$ -	$ -	$ 2,977,358
	WMFE Optimization	$ -	$ -	$ 320,816	$ 2,835,345
Sub Total Work Management		$ 15,388,749	$ 33,082,909	$ 26,321,259	$ 18,745,414
Grand Total CAPEX Investment		$ 52,723,536	$ 92,305,092	$ 68,166,028	$ 45,232,289

Case 17-E-0238 & 17-G-0239
Appendix 1
Schedule 7
Page 8 of 8

APPENDIX 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending March 31, 2019

Line	Service Classification	1 Bills	2 kWh	3 kW	4 Base Delivery Revenue	5 Legacy Transition Charge	6 New Hedge Adjustment	7 NYPA Hydro Reconciliation Credit	8 Commodity Revenue	9 (5+6+7+8) Total Commodity Revenues	10 Gross Revenue Taxes	11 (4+9+10) Revenue
1	SC1 Residential and Farm Service	17,779,729	11,042,711,403	-	$827,667,610	$20,739,121	$21,489,491	($11,942,477)	$375,439,353	$ 405,725,488	$22,936,945	$ 1,256,330,043
2	SC1C Residential and Farm Service - Time of Use	61,060	284,120,235	-	$10,753,176	$543,079	$ -	($308,985)	$6,195,614	$ 6,429,708	$332,981	$ 17,515,865
3	SC2ND Small General Service	1,369,286	614,715,129	-	$63,796,565	$1,172,048	$963,555	$ -	$17,516,042	$ 19,651,645	$885,270	$ 84,333,481
4	SC2D Small General Service - Demand	592,649	4,226,535,423	14,358,237.3	$178,585,000	$8,056,093	$ -	$ -	$70,029,461	$ 78,085,554	$2,921,841	$ 259,592,394
5	SC3 Large General	56,114	6,597,307,786	16,634,878.1	$166,710,538	$13,216,878	$ -	$ -	$42,573,090	$ 55,789,968	$2,824,700	$ 225,325,206
6	SC3A Large General - Time of Use	2,915	5,480,401,404	11,593,457.1	$56,605,584	$13,036,132	$ -	$ -	$44,852,304	$ 57,888,436	$1,808,241	$ 116,302,261
7	Subtotal	19,861,753	28,245,791,379	42,586,572.5	$ 1,304,118,473	$ 56,763,350	$ 22,453,047	$ (12,251,462)	$ 556,605,864	$ 623,570,799	$ 31,709,978	$ 1,959,399,250
8												
9	Preservation Power (PP)	-	9,228,665	18,764.2	$64,768	$ -	$ -	$ -	$ -	$ -	$0	$ 64,768
10	Replacement & Expansion (R&E)	-	3,226,602,998	5,472,217.2	$18,510,223	$ -	$ -	$ -	$ -	$ -	$0	$ 18,510,223
11	Fitzpower Patrick	-	106,003,560	155,525.6	$441,693	$ -	$ -	$ -	$ -	$ -	$ -	$ 441,693
12	St. Lawrence Power	-	5,250,130	10,800.8	$29,918	$ -	$ -	$ -	$ -	$ -	$ -	$ 29,918
13	Recharge New York (RNY)	-	1,555,445,598	3,053,313.2	$14,245,983	$ -	$ -	$ -	$0	$ -	$ -	$ 14,245,983
14	Subtotal	-	4,902,530,951	8,710,621	$ 33,292,586	$ -	$ -	$ -	$ -	$ -	$ -	$ 33,292,586
15												
16	Total PSC 220	19,861,753	33,148,322,330	51,297,193.4	$ 1,337,411,060	$ 56,763,350	$ 22,453,047	$ (12,251,462)	$ 556,605,864	$ 623,570,799	$ 31,709,978	$ 1,992,691,836
17												
18	Street Lighting - Total PSC No. 214	133,564	180,528,874	-	$53,419,061	$348,939	$ -	$ -	$2,199,248	$ 2,548,188	$579,220	$ 56,546,469
19												
20	Revenue Decoupling Mechanism	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21												
22	Other Retail Revenues											
23	SBC	-	-	-	$ 213,172,751	$ -	$ -	$ -	$ -	$ -	$ -	$ 213,172,751
24	Queensbury Underground Revenue	-	-	-	$ 317,273	$ -	$ -	$ -	$ -	$ -	$ -	$ 317,273
25	EZR Discounts	-	-	-	$ (2,000,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (2,000,000)
26	EJP Discounts	-	-	-	$ (370,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (370,000)
27	SC11/12 Discounts	-	-	-	$ 176,667	$ -	$ -	$ -	$ -	$ -	$ -	$ 176,667
28	MFC	-	-	-	$ 19,301,512	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,301,512
29	SC7 Discount	-	-	-	($97,311)	$ -	$ -	$ -	$ -	$ -	$ -	$ (97,311)
30	DLM Surcharge	-	-	-	$2,459,854	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,459,854
31	Transformer Credit	-	-	-	($276,921)	$ -	$ -	$ -	$ -	$ -	$ -	$ (276,921)
32	Special L Revenues	-	-	-	$ 1,021,658	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,021,658
33	Consolidated Billing Credits	-	-	-	$ (3,699,073)	$ -	$ -	$ -	$ -	$ -	$ -	$ (3,699,073)
34	Total Other Revenues	-	-	-	$ 230,006,409	$ -	$ -	$ -	$ -	$ -	$ -	$ 230,006,409
35												
36	**Retail Revenues**	**19,995,318**	**33,328,851,205**	**51,297,193.4**	**$ 1,620,836,530**	**$ 57,112,290**	**$ 22,453,047**	**$ (12,251,462)**	**$ 558,805,112**	**$ 626,118,986**	**$ 32,289,198**	**$ 2,279,244,715**
37	Miscellaneous Revenues											
38	Wholesale Transmission	-	-	-	$ 185,695,556	$ -	$ -	$ -	$ -	$ -	$ -	$ 185,695,556
39	Late Payment Charges	-	-	-	$ 12,970,874	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,970,874
40	Rent from Electric Property	-	-	-	$ 17,047,034	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,047,034
41	Plant Leased to Others	-	-	-	$ 2,300,275	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,300,275
42	CSS Billing Fees	-	-	-	$ 2,963,247	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,963,247
43	Open Access Revenues	-	-	-	$ 333,002	$ -	$ -	$ -	$ -	$ -	$ -	$ 333,002
44	Other Misc Electric Revenue	-	-	-	$ 25,816,467	$ -	$ -	$ -	$ -	$ -	$ -	$ 25,816,467
45	Removal of ETIP				$ (51,457,895)	$ -	$ -	$ -	$ -	$ -	$ -	$ (51,457,895)
46	Other Electric Revenue Subtotal				$ 247,126,454	$ -	$ -	$ -	$ -	$ -	$ -	$ 195,668,559
47												
48	Total Revenues Rate Year Ended March 31, 2019	19,995,318	33,328,851,205	51,297,193.4	$ 1,867,962,984	$ 57,112,290	$ 22,453,047	$ (12,251,462)	$ 558,805,112	$ 626,118,986	$ 32,289,198	**$ 2,474,913,274**

Lines 3-6: Include Service Classifications 4, 7, and 12

Case 17-E-0238
Appendix 2
Schedule 1.1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending March 31, 2020

Line	Service Classification	1 Bills	2 kWh	3 kW	4 Base Delivery Revenue	5 Legacy Transition Charge	6 New Hedge Adjustment	7 NYPA Hydro Reconciliation Credit	8 Commodity Revenue	9 (5+6+7+8) Total Commodity Revenues	10 Gross Revenue Taxes	11 (4+9+10) Revenue
1	SC1 Residential and Farm Service	17,830,834	11,014,019,314	-	$965,617,439	$21,147,248	$9,138,678	($12,130,914)	$360,348,441	$ 378,503,453	$24,878,824	$ 1,368,999,716
2	SC1C Residential and Farm Service - Time of Use	57,914	271,976,944	-	$11,267,494	$531,546	$0	($301,824)	$5,596,033	$ 5,825,755	$327,419	$ 17,420,668
3	SC2ND Small General Service	1,374,598	608,592,702	-	$69,560,209	$1,187,486	$413,954	$ -	$17,081,450	$ 18,682,889	$911,280	$ 89,154,379
4	SC2D Small General Service - Demand	594,297	4,203,308,980	14,279,331.9	$207,333,199	$8,195,354	$ -	$ -	$67,992,657	$ 76,188,011	$3,115,589	$ 286,636,798
5	SC3 Large General	56,352	6,620,078,038	16,691,091.1	$204,012,429	$13,568,052	$ -	$ -	$40,766,766	$ 54,334,818	$3,044,947	$ 261,392,194
6	SC3A Large General - Time of Use	2,852	5,426,355,540	11,480,895.2	$91,253,028	$13,233,919	$ -	$ -	$43,931,529	$ 57,165,449	$1,908,692	$ 150,327,169
7	Subtotal	19,916,847	28,144,331,518	42,451,318.2	$ 1,549,043,799	$ 57,863,605	$ 9,552,632	$ (12,432,738)	$ 535,716,875	$ 590,700,374	$ 34,186,750	$ 2,173,930,923
8												
9	Preservation Power (PP)	-	9,409,738	19,132.3	$0	$ -	$ -	$ -	$ -	$ -	$0	$ -
10	Replacement & Expansion (R&E)	-	3,180,943,259	5,394,779.7	$0	$ -	$ -	$ -	$ -	$ -	$0	$ -
11	Fitzpower Patrick	-	105,962,743	155,465.7	$0	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	St. Lawrence Power	-	5,250,130	10,800.8	$0	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Recharge New York (RNY)	-	1,554,400,420	3,051,261.5	$0	$ -	$ -	$ -	$0	$ -	$ -	$ -
14	Subtotal	-	4,855,966,290	8,631,440	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15												
16	Total PSC 220	19,916,847	33,000,297,807	51,082,758.3	$ 1,549,043,799	$ 57,863,605	$ 9,552,632	$ (12,432,738)	$ 535,716,875	$ 590,700,374	$ 34,186,750	$ 2,173,930,923
17												
18	Street Lighting - Total PSC No. 214	131,972	171,402,275	-	$54,436,894	$339,527	$ -	$ -	$2,076,138	$ 2,415,665	$561,132	$ 57,413,691
19												
20	Revenue Decoupling Mechanism	-	-	-		$ -	$ -	$ -	$ -	$ -	$ -	$ -
21												
22	Other Retail Revenues											
23	SBC	-	-	-	$ 211,996,124	$ -	$ -	$ -	$ -	$ -	$ -	$ 211,996,124
24	Queensbury Underground Revenue	-	-	-	$ 317,273	$ -	$ -	$ -	$ -	$ -	$ -	$ 317,273
25	EZR Discounts	-	-	-	($1,600,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,600,000)
26	EJP Discounts	-	-	-	($450,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (450,000)
27	SC11/12 Discounts	-	-	-	$ (69,722)	$ -	$ -	$ -	$ -	$ -	$ -	$ (69,722)
28	MFC	-	-	-	$ 20,691,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,691,000
29	SC7 Discount				($97,311)	$ -	$ -	$ -	$ -	$ -	$ -	$ (97,311)
30	DLM Surcharge	-	-	-	$2,511,511	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,511,511
31	Transformer Credit	-	-	-	($276,921)	$ -	$ -	$ -	$ -	$ -	$ -	$ (276,921)
32	Special L Revenues	-	-	-	$ 1,021,658	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,021,658
33	Consolidated Billing Credits	-	-	-	$ (3,699,073)	$ -	$ -	$ -	$ -	$ -	$ -	$ (3,699,073)
34	Total Other Revenues	-	-	-	$ 230,344,538	$ -	$ -	$ -	$ -	$ -	$ -	$ 230,344,538
35												
36	**Retail Revenues**	**20,048,819**	**33,171,700,082**	**51,082,758.3**	**$ 1,833,825,231**	**$ 58,203,132**	**$ 9,552,632**	**$ (12,432,738)**	**$ 537,793,013**	**$ 593,116,039**	**$ 34,747,882**	**$ 2,461,689,152**
37	Miscellaneous Revenues											
38	Wholesale Transmission	-	-	-	$ 185,695,556	$ -	$ -	$ -	$ -	$ -	$ -	$ 185,695,556
39	Late Payment Charges	-	-	-	$ 13,211,825	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,211,825
40	Rent from Electric Property	-	-	-	$ 18,110,924	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,110,924
41	Plant Leased to Others	-	-	-	$ 2,339,132	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,339,132
42	CSS Billing Fees	-	-	-	$ 2,982,024	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,982,024
43	Open Access Revenues	-	-	-	$ 339,995	$ -	$ -	$ -	$ -	$ -	$ -	$ 339,995
44	Other Misc Electric Revenue	-	-	-	$ 26,280,189	$ -	$ -	$ -	$ -	$ -	$ -	$ 26,280,189
45	Increase in Reconnects				$ 884,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 884,000
46	Other Miscellaneous Revenues				$ (111,904)							$ (111,904)
47	Removal of ETIP				$ (51,457,895)	$ -	$ -	$ -	$ -	$ -	$ -	$ (51,457,895)
48	Other Electric Revenue Subtotal	$ -	$ -	$ -	$ 198,273,847	$ -	$ -	$ -	$ -	$ -	$ -	$ 198,273,847
49												
50	Total Revenues Rate Year Ended March 31, 2020				$ 2,032,099,077	$ 58,203,132	$ 9,552,632	$ (12,432,738)	$ 537,793,013	$ 593,116,039	$ 34,747,882	**$ 2,659,962,998**

Lines 3-6: Include Service Classifications 4, 7, and 12

Case 17-E-0238
Appendix 2
Schedule 1.2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending March 31, 2021

Line	Service Classification	1 Bills	2 kWh	3 kW	4 Base Delivery Revenue	5 Legacy Transition Charge	6 New Hedge Adjustment	7 NYPA Hydro Reconciliation Credit	8 Commodity Revenue	9 (5+6+7+8) Total Commodity Revenues	10 Gross Revenue Taxes	11 (4+9+10) Revenue
1	SC1 Residential and Farm Service	17,882,312	10,965,348,394	-	$ 981,219,225	$ 21,387,933	$ -	$ (12,347,416)	$ 350,585,675	$ 359,626,192	$ 24,945,607	$ 1,365,791,024
2	SC1C Residential and Farm Service - Time of Use	54,888	259,946,664	-	$ 10,952,728	$ 515,508	$ -	$ (295,043)	$ 4,974,505	$ 5,194,970	$ 312,259	$ 16,459,958
3	SC2ND Small General Service	1,380,329	598,108,759	-	$ 70,236,177	$ 1,183,914	$ -	$ -	$ 16,886,440	$ 18,070,354	$ 909,378	$ 89,215,909
4	SC2D Small General Service - Demand	596,123	4,148,620,988	14,093,546.6	$ 208,912,562	$ 8,197,919	$ -	$ -	$ 67,073,161	$ 75,271,080	$ 3,112,393	$ 287,296,036
5	SC3 Large General	56,604	6,598,717,561	16,636,091.5	$ 207,245,363	$ 13,703,249	$ -	$ -	$ 39,814,454	$ 53,517,703	$ 3,061,757	$ 263,824,823
6	SC3A Large General - Time of Use	2,792	5,351,310,013	11,323,514.0	$ 91,623,114	$ 13,237,761	$ -	$ -	$ 44,151,288	$ 57,389,050	$ 1,904,971	$ 150,917,135
7	Subtotal	19,973,048	27,922,052,379	42,053,152.1	$ 1,570,189,169	$ 58,226,285	$ -	$ (12,642,459)	$ 523,485,524	$ 569,069,350	$ 34,246,365	$ 2,173,504,884
8												
9	Preservation Power (PP)	-	9,568,447	19,455.0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
10	Replacement & Expansion (R&E)	-	3,127,020,565	5,303,328.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Fitzpower Patrick	-	105,634,320	154,983.9	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	St. Lawrence Power	-	5,250,130	10,800.8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Recharge New York (RNY)	-	1,549,171,898	3,040,998.0	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	Subtotal	-	4,796,645,359	8,529,566	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15												
16	Total PSC 220	19,973,048	32,718,697,739	50,582,718.3	$ 1,570,189,169	$ 58,226,285	$ -	$ (12,642,459)	$ 523,485,524	$ 569,069,350	$ 34,246,365	$ 2,173,504,884
17												
18	Street Lighting - Total PSC No. 214	130,407	162,275,675	-	$ 55,438,334	$ 325,680	$ -	$ -	$ 1,989,426	$ 2,315,106	$ 555,348	$ 58,308,787
19												
20	Revenue Decoupling Mechanism	-	-	-		$ -	$ -	$ -	$ -	$ -	$ -	$ -
21												
22	Other Retail Revenues											
23	SBC	-	-	-	$ 210,611,808	$ -	$ -	$ -	$ -	$ -	$ -	$ 210,611,808
24	Queensbury Underground Revenue	-	-	-	$ 317,273	$ -	$ -	$ -	$ -	$ -	$ -	$ 317,273
25	EZR Discounts	-	-	-	$ (1,100,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,100,000)
26	EJP Discounts	-	-	-	$ (550,800)	$ -	$ -	$ -	$ -	$ -	$ -	$ (550,800)
27	SC11/12 Discounts	-	-	-	$ (69,722)	$ -	$ -	$ -	$ -	$ -	$ -	$ (69,722)
28	MFC	-	-	-	$ 20,691,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,691,000
29	SC7 Discount	-	-	-	$ (97,311)	$ -	$ -	$ -	$ -	$ -	$ -	$ (97,311)
30	DLM Surcharge	-	-	-	$ 2,564,253	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,564,253
31	Transformer Credit	-	-	-	$ (276,921)	$ -	$ -	$ -	$ -	$ -	$ -	$ (276,921)
32	Special L Revenues	-	-	-	$ 1,021,657	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,021,657
33	Consolidated Billing Credits	-	-	-	$ (3,699,073)	$ -	$ -	$ -	$ -	$ -	$ -	$ (3,699,073)
34	Total Other Revenues	-	-	-	$ 229,412,163	$ -	$ -	$ -	$ -	$ -	$ -	$ 229,412,163
35												
36	**Retail Revenues**	**20,103,455**	**32,880,973,414**	**50,582,718.3**	**$ 1,855,039,666**	**$ 58,551,965**	**$ -**	**$ (12,642,459)**	**$ 525,474,949**	**$ 571,384,456**	**$ 34,801,713**	**$ 2,461,225,834**
37	Miscellaneous Revenues											
38	Wholesale Transmission	-	-	-	$ 185,695,556	$ -	$ -	$ -	$ -	$ -	$ -	$ 185,695,556
39	Late Payment Charges	-	-	-	$ 13,665,564	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,665,564
40	Rent from Electric Property	-	-	-	$ 18,913,927	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,913,927
41	Plant Leased to Others	-	-	-	$ 2,361,870	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,361,870
42	CSS Billing Fees	-	-	-	$ 3,001,196	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,001,196
43	Open Access Revenues	-	-	-	$ 347,135	$ -	$ -	$ -	$ -	$ -	$ -	$ 347,135
44	Other Misc Electric Revenue	-	-	-	$ 26,753,650	$ -	$ -	$ -	$ -	$ -	$ -	$ 26,753,650
45	Increase in Reconnects				$ 884,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 884,000
46	Other Miscellaneous Revenues				$ 210,194							$ 210,194
47	Removal of ETIP				$ (51,457,895)	$ -	$ -	$ -	$ -	$ -	$ -	$ (51,457,895)
48	Other Electric Revenue Subtotal	$ -	$ -	$ -	$ 200,375,197	$ -	$ -	$ -	$ -	$ -	$ -	$ 200,375,197
49												
50	Total Revenues Rate Year Ended March 31, 2021				$ 2,055,414,863	$ 58,551,965	$ -	$ (12,642,459)	$ 525,474,949	$ 571,384,456	$ 34,801,713	**$ 2,661,601,031**

Lines 3-6: Include Service Classifications 4, 7, and 12

Case 17-E-0238
Appendix 2
Schedule 1.3

Sch. 1.4

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2021
Reconciliation of Proposed Increase ($000s)

Line	Description	Source	Rate Year 1 March 31, 2019	Rate Year 2 March 31, 2020	Rate Year 3 March 31, 2021
1	Base Rev Req	Appendix 1, Schedule 1	2,696,036	2,689,282	2,713,414
2	Less: GRT	Appendix 1, Schedule 1	(35,174)	(35,131)	(35,478)
3	Total Rev Req (excl GRT)		2,660,862	2,654,151	2,677,936
4	Less: Commodity	Appendix 1, Schedule 1	(626,119)	(593,116)	(571,384)
5	Gross Margin	Appendix 1, Schedule 1	2,034,743	2,061,035	2,106,552
6					
7	SBC (Systems Benefits Charge)	Appendix 2, Schedules 1.1-1.3	161,715	160,538	159,154
8	DLM / Load Control	Appendix 2, Schedules 1.1 - 1.3	2,460	2,512	2,564
9	Large Customer Discounts	Appendix 2, Schedules 1.1 - 1.3	(2,568)	(2,494)	(2,095)
10	Merchant Function Charge- Proposed rates	Appendix 2, Schedule 7	20,691	19,849	19,235
11	Merchant Function Charge- Adjustment for tax credit	Adjustments	(490)	(463)	(445)
12	Late Payment Charges- Proposed rates	Appendix 2, Schedules 1.1 - 1.3	13,426	13,379	12,938
13	Late Payment Charges- Adjustment for tax credit	Adjustments	(343)	(338)	(354)
14	Other Revenue	Appendix 2, Schedules 1.1 - 1.3	236,378	237,971	239,296
15	Billing Credit	Appendix 2, Schedules 1.1 - 1.3	(3,699)	(3,699)	(3,699)
16	Other Revenue at Proposed		427,570	427,254	426,595
17					
18	**Total to recover**	Line 5 less Line16	**1,607,173**	**1,633,781**	**1,679,957**
19					
20	Delivery Revenue at Present Rates	Appendix 2, Schedule 2	1,390,830	1,604,231	1,626,409
21					
22	**Revenue Increase needed**	Line 18 less Line 20	**216,343**	**29,549**	**53,548**
23	Revenue Increase	Appendix 2, Schedule 2	216,343	29,549	53,548
24	Difference (rounding)	Line 22 less Line 23	0	0	(0)
25					
26	Delivery Revenue- Present Rates	Appendix 2, Schedule 2	1,390,830	1,604,231	1,626,409
27	Delivery Revenue- Proposed Rates	Appendix 2, Schedule 2	1,607,173	1,633,781	1,679,957
28	**Net change**	**Sum Line 28- Line 27**	**216,343**	**29,549**	**53,548**
29	Difference (rounding)	Line 23 less Line 28	0	0	0
30					

Case 17-E-0238
Appendix 2
Schedule 1.4

Sch. 2

Niagara Mohawk Power Corporation d/b/a National Grid
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

			Rate Year 1		Rate Year 1							
Line	**Description**	**Includes**	**Customers**	**Deliveries MWH**	**Delivery Revenue at PRESENT Rates**	**MFC Present**	**Delivery Margin at PRESENT Rates**	**Delivery Revenue at PROPOSED Rates**	**MFC Proposed**	**Change Tariff Fees**	**Delivery Margin at PROPOSED Rates**	**Rate Year Proposed over Present**
1	Residential	SC-1	1,481,644	11,042,711	827,668	16,534	844,201	988,273	11,501	786	1,000,559	18.5%
2	Residential TOU	SC-1C	5,088	284,120	10,753	266	11,019	12,089	185	3	12,276	11.4%
3	Small Gen No Dem	SC-2-ND	114,107	614,715	63,797	756	64,552	71,301	526	61	71,887	11.4%
4	Small Gen Demand	SC-2-Dem	49,387	4,231,476	178,739	752	179,491	214,349	523	26	214,898	19.7%
5	Large Gen-Sec	SC-3-S	3,760	4,418,259	126,616	317	126,933	151,075	220	2	151,297	19.2%
6	Large Gen-Pri	SC-3-P	739	1,966,773	41,436	94	41,529	49,609	65	0	49,675	19.6%
7	Large Gen-Tran	SC-3-T	177	673,799	6,411	52	6,463	7,402	36	0	7,438	15.1%
8	Large Gen TOU-S/P	SC-3A-S/P	81	1,212,981	24,220	39	24,259	29,109	27	0	29,136	20.1%
9	Large Gen TOU-SubT	SC-3A-U	68	1,611,724	13,428	63	13,490	15,276	43	0	15,320	13.6%
10	Large Gen TOU-Tran	SC-3A-T	94	7,091,765	44,343	409	44,752	58,594	284	0	58,879	31.6%
11	Lighting	SC-L	-	180,529	53,419	22	53,440	54,135	15	6	54,157	1.3%
12			1,655,146	33,328,851	1,390,830	19,302	1,410,132	1,651,212	13,426	884	1,665,522	18.1%
13	*Checks*							*1,651,212*	13,426			
14	Increase from Exhibit								69.6%			
15	Surcredit offset											
16	MFC Increase over Present Rates											
17	Tariff Fees over Present Rates											
18												
19												
20	Target Increase- Delivery Only											
21												

Case 17-E-0238
Appendix 2
Schedule 2
Page 1 of 4

Sch. 2

Niagara Mohawk Power Corporation d/b/a National Grid
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

			Rate Year 1 Proposed							
Line	**Description**	**Includes**	**Delivery Margin- Rate Year Proposed over Present**	**Portion of Increase**	**Year 1 Increase**	**ETIP at Present**	**TRAC at Present**	**TARGET Delivery Revenue Year 1**	**Tax Change**	**Surcredit**
1	Residential	SC-1	156,358	61.2%	158,280	19,990	(40,748)	965,190	(31,941)	(74,000)
2	Residential TOU	SC-1C	1,257	0.5%	1,273	514	(813)	11,727	(433)	(818)
3	Small Gen No Dem	SC-2-ND	7,334	2.9%	7,425	1,113	(2,526)	69,807	(2,374)	(4,435)
4	Small Gen Demand	SC-2-Dem	35,407	13.9%	35,842	7,651	(13,187)	209,046	(9,046)	(16,413)
5	Large Gen-Sec	SC-3-S	24,364	9.5%	24,664	7,721	(10,877)	148,125	(6,343)	(10,400)
6	Large Gen-Pri	SC-3-P	8,145	3.2%	8,245	3,230	(3,979)	48,932	(2,201)	(3,500)
7	Large Gen-Tran	SC-3-T	975	0.4%	987	992	(1,195)	7,196	(427)	(540)
8	Large Gen TOU-S/P	SC-3A-S/P	4,877	1.9%	4,937	1,674	(2,229)	28,602	(1,303)	(2,200)
9	Large Gen TOU-SubT	SC-3A-U	1,830	0.7%	1,852	2,460	(3,017)	14,723	(912)	(900)
10	Large Gen TOU-Tran	SC-3A-T	14,126	5.5%	14,300	5,787	(15,056)	49,374	(3,429)	(4,860)
11	Lighting	SC-L	716	0.3%	725	327	(19)	54,451	(1,940)	1,150
12			255,390	100.0%	258,530	51,458	(93,644)	1,607,173	(60,351)	(116,916)
13	*Checks*					*51,458*	*(93,644)*		*(60,351)*	*(116,916)*
14	Increase from Exhibit				260,422	GM	218,235	1,390,830		Present
15	Surcredit offset					ETIP	(51,458)	258,530		Increase
16	MFC Increase over Present Rates					TRAC	93,644	51,458		ETIP
17	Tariff Fees over Present Rates							(93,644)		TRAC
18										
19					(1,892)	Net change, Other rev				
20	Target Increase- Delivery Only				258,530			1,607,173		
21										

Case 17-E-0238
Appendix 2
Schedule 2
Page 2 of 4

Sch. 2

Niagara Mohawk Power Corporation d/b/a National Grid
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

			Rate Year 2 Proposed					Rate Year 3 Proposed				
Line	Description	Includes	Delivery Revenue Year 2 at Year 1 Rates- From Sch. 3.2B	Increase for Year 2	TARGET Delivery Revenue Year 2	Tax Change	Surcredit	Delivery Revenue Year 3 at Year 2 Rates- From Sch. 3.3B	Increase for Year 3	TARGET Delivery Revenue Year 3	Tax Change	Surcredit
1	Residential	SC-1	964,296	17,762	982,058	(31,478)	(38,000)	979,903	32,262	1,012,165	(32,935)	(11,000)
2	Residential TOU	SC-1C	11,210	206	11,417	(427)	(530)	10,898	359	11,257	(447)	(200)
3	Small Gen No Dem	SC-2-ND	69,512	1,280	70,792	(2,340)	(3,000)	70,188	2,311	72,499	(2,448)	(1,400)
4	Small Gen Demand	SC-2-Dem	208,162	3,834	211,997	(8,915)	(8,000)	209,745	6,906	216,651	(9,328)	(1,600)
5	Large Gen-Sec	SC-3-S	148,621	2,738	151,358	(6,251)	(5,700)	150,995	4,971	155,966	(6,540)	(2,050)
6	Large Gen-Pri	SC-3-P	49,074	904	49,978	(2,169)	(1,770)	49,839	1,641	51,480	(2,270)	(650)
7	Large Gen-Tran	SC-3-T	7,198	133	7,331	(421)	(280)	7,310	241	7,551	(441)	(100)
8	Large Gen TOU-S/P	SC-3A-S/P	28,284	521	28,805	(1,284)	(1,100)	28,374	934	29,308	(1,344)	(275)
9	Large Gen TOU-SubT	SC-3A-U	14,533	268	14,801	(899)	(675)	14,553	479	15,032	(940)	(360)
10	Large Gen TOU-Tran	SC-3A-T	48,889	901	49,790	(3,379)	(500)	49,149	1,618	50,768	(3,536)	(850)
11	Lighting	SC-L	54,451	1,003	55,454	(1,912)	260	55,454	1,826	57,280	(2,000)	(975)
12			1,604,231	29,549	1,633,781	(59,476)	(59,295)	1,626,409	53,548	1,679,957	(62,228)	(19,460)
13	*Checks*		*1,604,231*		*1,633,781*	*(59,476)*	*(59,295)*	*1,626,409*			*(62,228)*	*(19,460)*
14	Increase from Exhibit			28,936	GM				51,137	GM		
15	Surcredit offset											
16	MFC Increase over Present Rates											
17	Tariff Fees over Present Rates											
18												
19				613	Net change, Other rev				2,411	Net change, Other rev		
20	Target Increase- Delivery Only			29,549					53,548			
21			Incr %	1.84%				Incr %	3.29%			

Case 17-E-0238
Appendix 2
Schedule 2
Page 3 of 4

Sch. 2

Niagara Mohawk Power Corporation d/b/a Nationa
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

Line	Description	Includes	Rate Year 4 Proposed: Delivery Revenue Year 4 at Year 3 Rates- From Sch. 3.4C	TARGET Delivery Revenue Year 4	Tax Change	Surcredit
1	Residential	SC-1	1,012,142	1,012,142	(32,935)	(1,699)
2	Residential TOU	SC-1C	11,257	11,257	(447)	(80)
3	Small Gen No Dem	SC-2-ND	72,497	72,497	(2,448)	(700)
4	Small Gen Demand	SC-2-Dem	216,644	216,644	(9,328)	(500)
5	Large Gen-Sec	SC-3-S	155,959	155,959	(6,540)	(600)
6	Large Gen-Pri	SC-3-P	51,482	51,482	(2,270)	(214)
7	Large Gen-Tran	SC-3-T	7,551	7,551	(441)	(35)
8	Large Gen TOU-S/P	SC-3A-S/P	29,309	29,309	(1,344)	(8)
9	Large Gen TOU-SubT	SC-3A-U	15,033	15,033	(940)	(58)
10	Large Gen TOU-Tran	SC-3A-T	50,758	50,758	(3,536)	(400)
11	Lighting	SC-L	57,280	57,280	(2,000)	(435)
12			1,679,912	1,679,912	(62,228)	(4,729)
13	*Checks*		*1,679,912*		*(62,228)*	*(4,729)*
14	Increase from Exhibit					
15	Surcredit offset					
16	MFC Increase over Present Rates					
17	Tariff Fees over Present Rates					
18						
19						
20	Target Increase- Delivery Only					
21						

Case 17-E-0238
Appendix 2
Schedule 2
Page 4 of 4

Sch. 3.1A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 1

		Current Rates			Current Rates Revenue				
Line	Rates	Customer Charge	Distribution Volumetric	RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	Balance
1	SC1	17.00	0.04758	-	827,667,610	302,255,401	525,412,209	-	525,412,209
2	SC1C	30.00	0.03140	-	10,753,176	1,831,801	8,921,375	-	8,921,375
3	SC2ND	21.02	0.05696	-	63,796,565	28,782,392	35,014,174	-	35,014,174
4	SC2D	52.52	10.27	-	178,739,386	31,125,903	147,613,483	-	147,613,483
5	SC3 Sec	260.15	10.03	0.85	126,616,495	11,737,734	114,878,761	538,181	114,340,580
6	SC3 Pri	436.70	8.15	0.85	41,435,505	3,872,227	37,563,278	629,008	36,934,270
7	SC3 Sub	565.23	2.77	0.85	6,411,369	1,202,801	5,208,568	326,953	4,881,615
8	SC3A Sec	1,000.00	9.18	1.02	24,220,150	976,852	23,243,299	393,121	22,850,177
9	SC3A Sub	1,400.00	3.56	1.02	13,427,537	1,136,819	12,290,719	731,011	11,559,708
10	SC3A Tran	3,500.00	2.84	1.02	44,343,265	3,941,907	40,401,358	2,080,013	38,321,345
11	Lighting				53,418,599	38,814,384	14,604,215	-	14,604,215
12					1,390,829,659	425,678,221	965,151,438	4,698,287	960,453,151

Case 17-E-0238
Appendix 2
Schedule 3.1A
Page 1 of 3

Sch. 3.1A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 1

		Rate Year 1 Target Revenue							
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1	SC1	965,189,659	302,255,401	662,934,258	-	662,934,258	26.2%	965,149,367	(40,293)
2	SC1C	11,727,413	1,831,801	9,895,612	-	9,895,612	10.9%	11,727,709	296
3	SC2ND	69,807,500	28,782,392	41,025,108	-	41,025,108	17.2%	69,808,479	980
4	SC2D	209,045,831	31,125,903	177,919,928	-	177,919,928	20.5%	209,052,613	6,781
5	SC3 Sec	148,124,689	14,663,708	133,460,982	538,181	132,922,801	16.3%	148,126,158	1,469
6	SC3 Pri	48,932,038	3,872,227	45,059,811	629,008	44,430,803	20.3%	48,931,122	(916)
7	SC3 Sub	7,195,520	1,359,783	5,835,738	326,953	5,508,785	12.8%	7,184,390	(11,130)
8	SC3A Sec	28,602,410	1,302,466	27,299,945	393,121	26,906,823	17.8%	28,603,040	629
9	SC3A Sub	14,722,822	1,416,151	13,306,671	731,011	12,575,660	8.8%	14,723,215	392
10	SC3A Tran	49,373,657	4,512,921	44,860,736	2,080,013	42,780,723	11.6%	49,367,111	(6,546)
11	Lighting	54,451,189	38,814,384	15,636,805	-	15,636,805	7.1%	54,451,189	-
12		1,607,172,730	429,937,136	1,177,235,595	4,698,287	1,172,537,307		1,607,124,393	(48,337)

Case 17-E-0238
Appendix 2
Schedule 3.1A
Page 2 of 3

Sch. 3.1A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 1

		Proposed Rates						Volumetric	Volumetric			Volumetric	Volumetric
Line	Rates	Customer Charge	Distribution Volumetric-Base	Adder for NYPA ETIP	Distribution Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit
1	SC1	17.00			0.06003			(0.00289)	(0.00670)	0.05044	11,042,711	(31,913,436)	(73,986,166)
2	SC1C	30.00			0.03483			(0.00153)	(0.00288)	0.03042	284,120	(434,704)	(818,266)
3	SC2ND	21.02			0.06674			(0.00386)	(0.00721)	0.05567	614,715	(2,372,800)	(4,432,096)
4	SC2D	52.52	12.379	0.001	12.380	(0.533)		(0.629)	(1.142)	10.609	14,373,270	(9,040,787)	(16,414,274)
5	SC3 Sec	325.00	11.660	0.023	11.683	(0.700)	0.85	(0.556)	(0.912)	10.215	11,400,129	(6,338,472)	(10,396,917)
6	SC3 Pri	436.70	9.804	0.068	9.872	(0.781)	0.85	(0.486)	(0.772)	8.614	4,531,812	(2,202,461)	(3,498,559)
7	SC3 Sub	639.00	3.126	0.104	3.230	(0.667)	0.85	(0.242)	(0.306)	2.682	1,762,316	(426,480)	(539,269)
8	SC3A Sec	1,333.33	10.810	0.181	10.991	(0.854)	1.02	(0.524)	(0.884)	9.583	2,489,126	(1,304,302)	(2,200,387)
9	SC3A Sub	1,744.00	3.873	0.134	4.007	(0.892)	1.02	(0.281)	(0.277)	3.449	3,247,109	(912,438)	(899,449)
10	SC3A Tran	4,007.00	3.170	0.413	3.583	(0.842)	1.02	(0.254)	(0.360)	2.969	13,493,431	(3,427,332)	(4,857,635)
11	Lighting							(0.01074)	0.00637		180,529	(1,938,880)	1,149,969
12												(60,312,091)	(116,893,051)

Case 17-E-0238
Appendix 2
Schedule 3.1A
Page 3 of 3

Sch. 3.1B

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Proof of Distribution Revenue at Proposed Rates- Rate Year 1

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,779,729	17.00	302,255				11,042,711	$0.06003	662,894							965,149
2	Residential TOU	SC-1C	61,060	30.00	1,832				284,120	$0.03483	9,896							11,728
3	Small Gen No Dem	SC-2-ND	1,369,286	21.02	28,782				614,715	$0.06674	41,026							69,808
4	Small Gen Demand	SC-2-Dem	592,649	52.52	31,126	14,373,270	$12.38	177,935	4,231,476		-				15,033	($0.53)	(8)	209,053
5	Large Gen-Sec	SC-3-S	45,119	325.00	14,664	11,400,129	$11.68	133,183	4,418,259		-	633,154	$0.85	538	369,810	($0.70)	(259)	148,126
6	Large Gen-Pri	SC-3-P	8,867	436.70	3,872	4,531,812	$9.87	44,740	1,966,773		-	740,009	$0.85	629	396,583	($0.78)	(310)	48,931
7	Large Gen-Tran	SC-3-T	2,128	639.00	1,360	1,762,316	$3.23	5,693	673,799		-	384,651	$0.85	327	292,985	($0.67)	(195)	7,184
8	Large Gen TOU-S/P	SC-3A-S/P	977	1,333.33	1,302	2,489,126	$10.99	27,358	1,212,981		-	385,413	$1.02	393	527,789	($0.85)	(450)	28,603
9	Large Gen TOU-SubT	SC-3A-U	812	1,744.00	1,416	3,247,109	$4.01	13,013	1,611,724		-	716,677	$1.02	731	489,379	($0.89)	(437)	14,723
10	Large Gen TOU-Tran	SC-3A-T	1,126	4,007.00	4,513	13,493,431	$3.58	48,346	7,091,765		-	2,039,228	$1.02	2,080	6,619,042	($0.84)	(5,572)	49,367
11	Lighting	SC-L		Same as Pres	38,814				180,529		15,637							54,451
12			19,861,753		429,937	51,297,193		450,267	33,328,851		729,453	4,899,133		4,698	8,710,621		(7,231)	1,607,124
13			*19,861,753*															*1,607,173*
14		Bills	Demand	kWh														*(48)*

Sch. 3.2A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 2

		Rate Year 1 Rates Proposed				Rate Year 1 Rates Revenue					
Line	Rates	Customer Charge	Distribution Volumetric		RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1	SC1	17.00	0.06003	0	-	965,149,367	302,255,401	662,893,966	-	-	662,893,966
2	SC1C	30.00	0.03483	0	-	11,727,709	1,831,801	9,895,908	-	-	9,895,908
3	SC2ND	21.02	0.06674	0	-	69,808,479	28,782,392	41,026,088	-	-	41,026,088
4	SC2D	52.52	12.38	#	-	209,052,613	31,125,903	177,926,710	-	(8,010)	177,934,720
5	SC3 Sec	325.00	11.68	#	0.85	148,126,158	14,663,708	133,462,450	538,181	(258,823)	133,183,092
6	SC3 Pri	436.70	9.87	#	0.85	48,931,122	3,872,227	45,058,895	629,008	(309,737)	44,739,624
7	SC3 Sub	639.00	3.23	#	0.85	7,184,390	1,359,783	5,824,607	326,953	(195,498)	5,693,153
8	SC3A Sec	1,333.33	10.99	#	1.02	28,603,040	1,302,466	27,300,574	393,121	(450,489)	27,357,942
9	SC3A Sub	1,744.00	4.01	#	1.02	14,723,215	1,416,151	13,307,064	731,011	(436,534)	13,012,587
10	SC3A Tran	4,007.00	3.58	#	1.02	49,367,111	4,512,921	44,854,190	2,080,013	(5,571,762)	48,345,939
11	Lighting					54,451,189	38,814,384	15,636,805	-	-	15,636,805
12						1,607,124,393	429,937,136	1,177,187,257	4,698,287	(7,230,853)	1,179,719,823

Case 17-E-0238
Appendix 2
Schedule 3.2A
Page 1 of 3

Sch. 3.2A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 2

		Rate Year 2 Target Revenue								
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1	SC1	982,057,792	303,124,177	678,933,614	-	-	678,933,614	2.7%	982,028,328	(29,464)
2	SC1C	11,416,871	1,737,422	9,679,449	-	-	9,679,449	2.2%	11,417,082	210
3	SC2ND	70,791,903	28,894,045	41,897,858	-	-	41,897,858	3.2%	70,789,566	(2,336)
4	SC2D	211,996,558	31,212,495	180,784,063	-	(8,005)	180,792,068	2.2%	211,999,487	2,929
5	SC3 Sec	151,358,075	17,671,006	133,687,070	540,014	(258,280)	133,405,335	(0.2%)	151,364,462	6,386
6	SC3 Pri	49,978,429	3,888,805	46,089,625	631,259	(307,884)	45,766,250	2.0%	49,981,762	3,333
7	SC3 Sub	7,330,605	1,521,178	5,809,427	327,948	(194,142)	5,675,620	(0.4%)	7,330,176	(428)
8	SC3A Sec	28,805,411	1,589,938	27,215,473	388,794	(447,022)	27,273,701	0.7%	28,804,421	(989)
9	SC3A Sub	14,800,995	1,650,178	13,150,817	722,027	(434,453)	12,863,243	(0.0%)	14,800,547	(447)
10	SC3A Tran	49,789,839	5,001,037	44,788,802	2,062,888	(5,514,861)	48,240,776	0.7%	49,785,279	(4,560)
11	Lighting	55,454,163	38,814,384	16,639,779	-	-	16,639,779	12.1%	55,454,163	-
12		1,633,780,640	435,104,664	1,198,675,976	4,672,930	(7,164,648)	1,201,167,693		1,633,755,274	(25,366)

Case 17-E-0238
Appendix 2
Schedule 3.2A
Page 2 of 3

Sch. 3.2A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 2

Line	Rates	Proposed Rates: Customer Charge	Proposed Rates: Distribution Volumetric-Base	Proposed Rates: Adder for NYPA ETIP	Proposed Rates: Distribution Volumetric	Proposed Rates: NYPA Credit	Proposed Rates: RKVA	Volumetric Tax	Volumetric Surcredit	NET VOLUME TRIC	Units	Volumetric Tax	Volumetric Surcredit
1	SC1	17.00			0.06164			(0.00286)	(0.00345)	0.05533	11,014,019	(31,500,095)	(37,998,367)
2	SC1C	30.00			0.03559			(0.00157)	(0.00195)	0.03207	271,977	(427,004)	(530,355)
3	SC2ND	21.02			0.06884			(0.00384)	(0.00493)	0.06007	608,593	(2,336,996)	(3,000,362)
4	SC2D	52.52	12.647	0.001	12.648	(0.533)		(0.624)	(0.560)	11.464	14,294,355	(8,919,677)	(8,004,839)
5	SC3 Sec	390.00	11.642	0.023	11.665	(0.700)	0.85	(0.547)	(0.498)	10.620	11,436,924	(6,255,998)	(5,695,588)
6	SC3 Pri	436.70	10.002	0.070	10.072	(0.781)	0.85	(0.477)	(0.390)	9.205	4,544,240	(2,167,602)	(1,772,254)
7	SC3 Sub	712.00	3.113	0.104	3.217	(0.667)	0.85	(0.239)	(0.159)	2.819	1,764,125	(421,626)	(280,496)
8	SC3A Sec	1,666.67	10.891	0.182	11.073	(0.854)	1.02	(0.521)	(0.447)	10.105	2,462,992	(1,283,219)	(1,100,957)
9	SC3A Sub	2,088.00	3.872	0.134	4.006	(0.892)	1.02	(0.280)	(0.210)	3.516	3,210,883	(899,047)	(674,285)
10	SC3A Tran	4,513.00	3.192	0.416	3.608	(0.842)	1.02	(0.253)	(0.037)	3.318	13,369,239	(3,382,418)	(494,662)
11	Lighting							(0.01115)	0.00152		171,402	(1,911,135)	260,531
12												(59,504,817)	(59,291,633)

Case 17-E-0238
Appendix 2
Schedule 3.2A
Page 3 of 3

Sch. 3.2B

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Rate Year 2 Billing Units X Rate Year 1 Rates ($000s)

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,830,834	17.00	303,124				11,014,019	$0.06003	661,172							964,296
2	Residential TOU	SC-1C	57,914	30.00	1,737				271,977	$0.03483	9,473							11,210
3	Small Gen No Dem	SC-2-ND	1,374,598	21.02	28,894				608,593	$0.06674	40,617							69,512
4	Small Gen Demand	SC-2-Dem	594,297	52.52	31,212	14,294,355	$12.38	176,958	4,208,246		-				15,023	($0.53)	(8)	208,162
5	Large Gen-Sec	SC-3-S	45,310	325.00	14,726	11,436,924	$11.68	133,613	4,432,534		-	635,311	$0.85	540	369,034	($0.70)	(258)	148,621
6	Large Gen-Pri	SC-3-P	8,905	436.70	3,889	4,544,240	$9.87	44,862	1,971,988		-	742,658	$0.85	631	394,212	($0.78)	(308)	49,074
7	Large Gen-Tran	SC-3-T	2,136	639.00	1,365	1,764,125	$3.23	5,699	674,706		-	385,821	$0.85	328	290,952	($0.67)	(194)	7,198
8	Large Gen TOU-S/P	SC-3A-S/P	954	1,333.33	1,272	2,462,992	$10.99	27,071	1,200,274		-	381,171	$1.02	389	523,727	($0.85)	(447)	28,284
9	Large Gen TOU-SubT	SC-3A-U	790	1,744.00	1,378	3,210,883	$4.01	12,867	1,593,759		-	707,869	$1.02	722	487,046	($0.89)	(434)	14,533
10	Large Gen TOU-Tran	SC-3A-T	1,108	4,007.00	4,440	13,369,239	$3.58	47,901	7,024,201		-	2,022,439	$1.02	2,063	6,551,446	($0.84)	(5,515)	48,889
11	Lighting	SC-L		Same as Pres	38,814				171,402		15,637							54,451
12			19,916,847		430,853	51,082,758		448,971	33,171,700		726,899	4,875,269		4,673	8,631,440		(7,165)	1,604,231
13			*19,916,847*			*51,082,758*			*33,171,700*									
14																		

Case 17-E-0238
Appendix 2
Schedule 3.2B

Sch. 3.2C

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Proof of Distribution Revenue at Proposed Rates- Rate Year 2

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,830,834	17.00	303,124				11,014,019	$0.06164	678,904							982,028
2	Residential TOU	SC-1C	57,914	30.00	1,737				271,977	$0.03559	9,680							11,417
3	Small Gen No Dem	SC-2-ND	1,374,598	21.02	28,894				608,593	$0.06884	41,896							70,790
4	Small Gen Demand	SC-2-Dem	594,297	52.52	31,212	14,294,355	$12.65	180,795	4,208,246		-				15,023	($0.53)	(8)	211,999
5	Large Gen-Sec	SC-3-S	45,310	390.00	17,671	11,436,924	$11.67	133,412	4,432,534		-	635,311	$0.85	540	369,034	($0.70)	(258)	151,364
6	Large Gen-Pri	SC-3-P	8,905	436.70	3,889	4,544,240	$10.07	45,770	1,971,988		-	742,658	$0.85	631	394,212	($0.78)	(308)	49,982
7	Large Gen-Tran	SC-3-T	2,136	712.00	1,521	1,764,125	$3.22	5,675	674,706		-	385,821	$0.85	328	290,952	($0.67)	(194)	7,330
8	Large Gen TOU-S/P	SC-3A-S/P	954	1,666.67	1,590	2,462,992	$11.07	27,273	1,200,274		-	381,171	$1.02	389	523,727	($0.85)	(447)	28,804
9	Large Gen TOU-SubT	SC-3A-U	790	2,088.00	1,650	3,210,883	$4.01	12,863	1,593,759		-	707,869	$1.02	722	487,046	($0.89)	(434)	14,801
10	Large Gen TOU-Tran	SC-3A-T	1,108	4,513.00	5,001	13,369,239	$3.61	48,236	7,024,201		-	2,022,439	$1.02	2,063	6,551,446	($0.84)	(5,515)	49,785
11	Lighting	SC-L		Same as Pres	38,814				171,402		16,640							55,454
12			19,916,847		435,105	51,082,758		454,023	33,171,700		747,119	4,875,269		4,673	8,631,440		(7,165)	1,633,755
13			*19,916,847*			*51,082,758*			*33,171,700*									*1,633,781*
14																		*(25)*

Sch. 3.3A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 3

		Rate Year 2 Rates Proposed				Rate Year 2 Rates Revenue					
Line	Rates	Customer Charge	Distribution Volumetric		RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1	SC1	17.00	0.06164	0	-	982,028,328	303,124,177	678,904,151	-	-	678,904,151
2	SC1C	30.00	0.03559	0	-	11,417,082	1,737,422	9,679,659	-	-	9,679,659
3	SC2ND	21.02	0.06884	0	-	70,789,566	28,894,045	41,895,522	-	-	41,895,522
4	SC2D	52.52	12.65	#	-	211,999,487	31,212,495	180,786,992	-	(8,005)	180,794,997
5	SC3 Sec	390.00	11.67	#	0.85	151,364,462	17,671,006	133,693,456	540,014	(258,280)	133,411,722
6	SC3 Pri	436.70	10.07	#	0.85	49,981,762	3,888,805	46,092,958	631,259	(307,884)	45,769,583
7	SC3 Sub	712.00	3.22	#	0.85	7,330,176	1,521,178	5,808,998	327,948	(194,142)	5,675,192
8	SC3A Sec	1,666.67	11.07	#	1.02	28,804,421	1,589,938	27,214,484	388,794	(447,022)	27,272,712
9	SC3A Sub	2,088.00	4.01	#	1.02	14,800,547	1,650,178	13,150,370	722,027	(434,453)	12,862,796
10	SC3A Tran	4,513.00	3.61	#	1.02	49,785,279	5,001,037	44,784,242	2,062,888	(5,514,861)	48,236,216
11	Lighting					55,454,163	38,814,384	16,639,779	-	-	16,639,779
12						1,633,755,274	435,104,664	1,198,650,610	4,672,930	(7,164,648)	1,201,142,327

Case 17-E-0238
Appendix 2
Schedule 3.3A
Page 1 of 3

Sch. 3.3A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 3

		Rate Year 3 Target Revenue								
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1	SC1	1,012,165,492	303,999,308	708,166,183	-	-	708,166,183	4.8%	1,012,141,508	(23,984)
2	SC1C	11,256,947	1,646,638	9,610,310	-	-	9,610,310	3.9%	11,256,866	(82)
3	SC2ND	72,499,193	29,014,522	43,484,671	-	-	43,484,671	5.6%	72,497,028	(2,164)
4	SC2D	216,650,558	31,308,397	185,342,161	-	(7,978)	185,350,139	3.9%	216,644,030	(6,528)
5	SC3 Sec	155,966,179	20,708,545	135,257,634	538,226	(257,045)	134,976,453	1.5%	155,959,360	(6,819)
6	SC3 Pri	51,479,533	3,906,351	47,573,182	629,342	(305,215)	47,249,055	3.6%	51,482,399	2,866
7	SC3 Sub	7,550,573	1,686,309	5,864,264	326,802	(192,296)	5,729,758	1.5%	7,551,179	606
8	SC3A Sec	29,308,273	1,863,633	27,444,640	382,884	(442,374)	27,504,130	2.3%	29,308,580	307
9	SC3A Sub	15,032,403	1,870,976	13,161,427	710,102	(431,215)	12,882,540	1.7%	15,032,934	531
10	SC3A Tran	50,767,510	5,474,930	45,292,580	2,037,949	(5,443,480)	48,698,112	2.2%	50,758,437	(9,074)
11	Lighting	57,279,923	38,814,384	18,465,539	-	-	18,465,539	17.2%	57,279,923	-
12		1,679,956,585	440,293,993	1,239,662,592	4,625,304	(7,079,603)	1,242,116,891		1,679,912,244	(44,340)

Case 17-E-0238
Appendix 2
Schedule 3.3A
Page 2 of 3

Sch. 3.3A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 3

Line	Rates	Proposed Rates: Customer Charge	Proposed Rates: Distribution Volumetric-Base	Proposed Rates: Adder for NYPA ETIP	Proposed Rates: Distribution Volumetric	Proposed Rates: NYPA Credit	Proposed Rates: RKVA	Volumetric Tax	Volumetric Surcredit	NET VOLUME TRIC	Units	Volumetric Tax	Volumetric Surcredit
1	SC1	17.00			0.06458			(0.00300)	(0.00100)	0.06058	10,965,348	(32,896,045)	(10,965,348)
2	SC1C	30.00			0.03697			(0.00172)	(0.00077)	0.03448	259,947	(447,108)	(200,159)
3	SC2ND	21.02			0.07270			(0.00409)	(0.00234)	0.06627	598,109	(2,446,265)	(1,399,574)
4	SC2D	52.52	13.136	0.001	13.137	(0.533)		(0.661)	(0.113)	12.363	14,108,519	(9,325,731)	(1,594,263)
5	SC3 Sec	455.00	11.818	0.023	11.841	(0.700)	0.85	(0.574)	(0.180)	11.087	11,398,500	(6,542,739)	(2,051,730)
6	SC3 Pri	436.70	10.362	0.073	10.435	(0.781)	0.85	(0.501)	(0.144)	9.790	4,528,215	(2,268,636)	(652,063)
7	SC3 Sub	786.00	3.158	0.106	3.264	(0.667)	0.85	(0.251)	(0.057)	2.956	1,755,626	(440,662)	(100,071)
8	SC3A Sec	2,000.00	11.144	0.186	11.330	(0.854)	1.02	(0.554)	(0.113)	10.663	2,427,576	(1,344,877)	(274,316)
9	SC3A Sub	2,432.00	3.938	0.136	4.074	(0.892)	1.02	(0.297)	(0.114)	3.663	3,162,266	(939,193)	(360,498)
10	SC3A Tran	5,020.00	3.263	0.425	3.688	(0.842)	1.02	(0.268)	(0.064)	3.356	13,202,017	(3,538,141)	(844,929)
11	Lighting							(0.01232)	(0.00601)		162,276	(1,999,236)	(975,277)
12												(62,188,633)	(19,418,228)

Case 17-E-0238
Appendix 2
Schedule 3.3A
Page 3 of 3

Sch. 3.3B

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Rate Year 3 Billing Units X Rate Year 2 Rates ($000s)

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	$0.06164	675,904							979,903
2	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	$0.03559	9,252							10,898
3	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	$0.06884	41,174							70,188
4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	$12.65	178,445	4,153,541		-				14,972	($0.53)	(8)	209,745
5	Large Gen-Sec	SC-3-S	45,513	390.00	17,750	11,398,500	$11.67	132,963	4,417,686		-	633,207	$0.85	538	367,270	($0.70)	(257)	150,995
6	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	$10.07	45,608	1,964,882		-	740,402	$0.85	629	390,793	($0.78)	(305)	49,839
7	Large Gen-Tran	SC-3-T	2,145	712.00	1,528	1,755,626	$3.22	5,648	671,723		-	384,473	$0.85	327	288,186	($0.67)	(192)	7,310
8	Large Gen TOU-S/P	SC-3A-S/P	932	1,666.67	1,553	2,427,576	$11.07	26,881	1,183,102		-	375,376	$1.02	383	518,281	($0.85)	(442)	28,374
9	Large Gen TOU-SubT	SC-3A-U	769	2,088.00	1,606	3,162,266	$4.01	12,668	1,569,672		-	696,178	$1.02	710	483,416	($0.89)	(431)	14,553
10	Large Gen TOU-Tran	SC-3A-T	1,091	4,513.00	4,922	13,202,017	$3.61	47,633	6,934,688		-	1,997,989	$1.02	2,038	6,466,649	($0.84)	(5,443)	49,149
11	Lighting	SC-L		Same as Pres	38,814				162,276		16,640							55,454
12			19,973,048		436,049	50,582,718		449,846	32,880,973		742,969	4,827,625		4,625	8,529,566		(7,080)	1,626,409
13			*19,973,048*			*50,582,718*			*32,880,973*									
14																		

Case 17-E-0238
Appendix 2
Schedule 3.3B

Sch. 3.3C

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Proof of Distribution Revenue at Proposed Rates- Rate Year 3

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	$0.06458	708,142							1,012,142
2	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	$0.03697	9,610							11,257
3	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	$0.07270	43,483							72,497
4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	$13.14	185,344	4,153,541		-				14,972	($0.53)	(8)	216,644
5	Large Gen-Sec	SC-3-S	45,513	455.00	20,709	11,398,500	$11.84	134,970	4,417,686		-	633,207	$0.85	538	367,270	($0.70)	(257)	155,959
6	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	$10.44	47,252	1,964,882		-	740,402	$0.85	629	390,793	($0.78)	(305)	51,482
7	Large Gen-Tran	SC-3-T	2,145	786.00	1,686	1,755,626	$3.26	5,730	671,723		-	384,473	$0.85	327	288,186	($0.67)	(192)	7,551
8	Large Gen TOU-S/P	SC-3A-S/P	932	2,000.00	1,864	2,427,576	$11.33	27,504	1,183,102		-	375,376	$1.02	383	518,281	($0.85)	(442)	29,309
9	Large Gen TOU-SubT	SC-3A-U	769	2,432.00	1,871	3,162,266	$4.07	12,883	1,569,672		-	696,178	$1.02	710	483,416	($0.89)	(431)	15,033
10	Large Gen TOU-Tran	SC-3A-T	1,091	5,020.00	5,475	13,202,017	$3.69	48,689	6,934,688		-	1,997,989	$1.02	2,038	6,466,649	($0.84)	(5,443)	50,758
11	Lighting	SC-L		Same as Pres	38,814				162,276		18,466							57,280
12			19,973,048		440,294	50,582,718		462,372	32,880,973		779,700	4,827,625		4,625	8,529,566		(7,080)	1,679,912
13			*19,973,048*			*50,582,718*			*32,880,973*									*1,679,957*
14																		*(44)*

Sch. 3.4A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 4

		Rate Year 3 Proposed Rates				Rate Year 3 Rates Revenue					
Line	Rates	Customer Charge	Distribution Volumetric	NYPA Credit	RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1	SC1	17.00	0.06458	-	-	1,012,141,508	303,999,308	708,142,199	-	-	708,142,199
2	SC1C	30.00	0.03697	-	-	11,256,866	1,646,638	9,610,228	-	-	9,610,228
3	SC2ND	21.02	0.07270	-	-	72,497,028	29,014,522	43,482,507	-	-	43,482,507
4	SC2D	52.52	13.137	(0.53286)	-	216,644,030	31,308,397	185,335,633	-	(7,978)	185,343,611
5	SC3 Sec	455.00	11.841	(0.69988)	0.85	155,959,360	20,708,545	135,250,815	538,226	(257,045)	134,969,633
6	SC3 Pri	436.70	10.435	(0.78101)	0.85	51,482,399	3,906,351	47,576,048	629,342	(305,215)	47,251,921
7	SC3 Sub	786.00	3.264	(0.66726)	0.85	7,551,179	1,686,309	5,864,870	326,802	(192,296)	5,730,364
8	SC3A Sec	2,000.00	11.330	(0.85354)	1.02	29,308,580	1,863,633	27,444,948	382,884	(442,374)	27,504,438
9	SC3A Sub	2,432.00	4.074	(0.89202)	1.02	15,032,934	1,870,976	13,161,958	710,102	(431,215)	12,883,071
10	SC3A Tran	5,020.00	3.688	(0.84178)	1.02	50,758,437	5,474,930	45,283,507	2,037,949	(5,443,480)	48,689,038
11	Lighting					57,279,923	38,814,384	18,465,539	-	-	18,465,539
12						1,679,912,244	440,293,993	1,239,618,252	4,625,304	(7,079,603)	1,242,072,550

Case 17-E-0238
Appendix 2
Schedule 3.4A
Page 1 of 3

Sch. 3.4A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 4

		Rate Year 4 Target Revenue								
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1	SC1	1,012,141,508	303,999,308	708,142,199	-	-	708,142,199	0.0%	1,012,141,508	-
2	SC1C	11,256,866	1,646,638	9,610,228	-	-	9,610,228	0.0%	11,256,866	-
3	SC2ND	72,497,028	29,014,522	43,482,507	-	-	43,482,507	0.0%	72,497,028	-
4	SC2D	216,644,030	31,308,397	185,335,633	-	(7,978)	185,343,611	0.0%	216,644,030	-
5	SC3 Sec	155,959,360	20,708,545	135,250,815	538,226	(257,045)	134,969,633	0.0%	155,959,360	-
6	SC3 Pri	51,482,399	3,906,351	47,576,048	629,342	(305,215)	47,251,921	0.0%	51,482,399	-
7	SC3 Sub	7,551,179	1,686,309	5,864,870	326,802	(192,296)	5,730,364	0.0%	7,551,179	-
8	SC3A Sec	29,308,580	1,863,633	27,444,948	382,884	(442,374)	27,504,438	0.0%	29,308,580	-
9	SC3A Sub	15,032,934	1,870,976	13,161,958	710,102	(431,215)	12,883,071	0.0%	15,032,934	-
10	SC3A Tran	50,758,437	5,474,930	45,283,507	2,037,949	(5,443,480)	48,689,038	0.0%	50,758,437	-
11	Lighting	57,279,923	38,814,384	18,465,539	-	-	18,465,539	0.0%	57,279,923	-
12		1,679,912,244	440,293,993	1,239,618,252	4,625,304	(7,079,603)	1,242,072,550		1,679,912,244	-

Case 17-E-0238
Appendix 2
Schedule 3.4A
Page 2 of 3

Sch. 3.4A

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 4

Line	Rates	Proposed Rates: Customer Charge	Proposed Rates: Distribution Volumetric-Base	Proposed Rates: Adder for NYPA ETIP	Proposed Rates: Distribution Volumetric	Proposed Rates: NYPA Credit	Proposed Rates: RKVA	Volumetric Tax	Volumetric Surcredit	NET VOLUME TRIC	Units	Volumetric Tax	Volumetric Surcredit
1	SC1	17.00			0.06458			(0.00300)	(0.00015)	0.06143	10,965,348	(32,896,045)	(1,644,802)
2	SC1C	30.00			0.03697			(0.00172)	(0.00031)	0.03494	259,947	(447,108)	(80,583)
3	SC2ND	21.02			0.07270			(0.00409)	(0.00117)	0.06744	598,109	(2,446,265)	(699,787)
4	SC2D	52.52	13.136	0.001	13.137	(0.533)		(0.661)	(0.035)	12.441	14,108,519	(9,325,731)	(493,798)
5	SC3 Sec	455.00	11.818	0.023	11.841	(0.700)	0.85	(0.574)	(0.053)	11.214	11,398,500	(6,542,739)	(604,120)
6	SC3 Pri	436.70	10.362	0.073	10.435	(0.781)	0.85	(0.501)	(0.047)	9.887	4,528,215	(2,268,636)	(212,826)
7	SC3 Sub	786.00	3.158	0.106	3.264	(0.667)	0.85	(0.251)	(0.020)	2.993	1,755,626	(440,662)	(35,113)
8	SC3A Sec	2,000.00	11.144	0.186	11.330	(0.854)	1.02	(0.554)	(0.003)	10.773	2,427,576	(1,344,877)	(7,283)
9	SC3A Sub	2,432.00	3.938	0.136	4.074	(0.892)	1.02	(0.297)	(0.018)	3.759	3,162,266	(939,193)	(56,921)
10	SC3A Tran	5,020.00	3.263	0.425	3.688	(0.842)	1.02	(0.268)	(0.030)	3.390	13,202,017	(3,538,141)	(396,061)
11	Lighting							(0.01232)	(0.00268)		162,276	(1,999,236)	(434,899)
12												(62,188,633)	(4,666,193)

Case 17-E-0238
Appendix 2
Schedule 3.4A
Page 3 of 3

Sch. 3.4B

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Proof of Distribution Revenue at Proposed Rates- Rate Year 3

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	$0.06458	708,142							1,012,142
2	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	$0.03697	9,610							11,257
3	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	$0.07270	43,483							72,497
4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	$13.14	185,344	4,153,541		-				14,972	($0.53)	(8)	216,644
5	Large Gen-Sec	SC-3-S	45,513	455.00	20,709	11,398,500	$11.84	134,970	4,417,686		-	633,207	$0.85	538	367,270	($0.70)	(257)	155,959
6	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	$10.44	47,252	1,964,882		-	740,402	$0.85	629	390,793	($0.78)	(305)	51,482
7	Large Gen-Tran	SC-3-T	2,145	786.00	1,686	1,755,626	$3.26	5,730	671,723		-	384,473	$0.85	327	288,186	($0.67)	(192)	7,551
8	Large Gen TOU-S/P	SC-3A-S/P	932	2,000.00	1,864	2,427,576	$11.33	27,504	1,183,102		-	375,376	$1.02	383	518,281	($0.85)	(442)	29,309
9	Large Gen TOU-SubT	SC-3A-U	769	2,432.00	1,871	3,162,266	$4.07	12,883	1,569,672		-	696,178	$1.02	710	483,416	($0.89)	(431)	15,033
10	Large Gen TOU-Tran	SC-3A-T	1,091	5,020.00	5,475	13,202,017	$3.69	48,689	6,934,688		-	1,997,989	$1.02	2,038	6,466,649	($0.84)	(5,443)	50,758
11	Lighting	SC-L		Same as Pres	38,814				162,276		18,466							57,280
12			19,973,048		440,294	50,582,718		462,372	32,880,973		779,700	4,827,625		4,625	8,529,566		(7,080)	1,679,912
13			*19,973,048*			*50,582,718*			*32,880,973*									*1,679,912*
14																		-

Sch. 3.4C

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Rate Year 4 Billing Units X Rate Year 3 Rates ($000s)

			Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	Distribution Revenue
1	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	$0.06458	708,142							1,012,142
2	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	$0.03697	9,610							11,257
3	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	$0.07270	43,483							72,497
4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	$13.14	185,344	4,153,541		-				14,972	($0.53)	(8)	216,644
5	Large Gen-Sec	SC-3-S	45,513	455.00	20,709	11,398,500	$11.84	134,970	4,417,686		-	633,207	$0.85	538	367,270	($0.70)	(257)	155,959
6	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	$10.44	47,252	1,964,882		-	740,402	$0.85	629	390,793	($0.78)	(305)	51,482
7	Large Gen-Tran	SC-3-T	2,145	786.00	1,686	1,755,626	$3.26	5,730	671,723		-	384,473	$0.85	327	288,186	($0.67)	(192)	7,551
8	Large Gen TOU-S/P	SC-3A-S/P	932	2,000.00	1,864	2,427,576	$11.33	27,504	1,183,102		-	375,376	$1.02	383	518,281	($0.85)	(442)	29,309
9	Large Gen TOU-SubT	SC-3A-U	769	2,432.00	1,871	3,162,266	$4.07	12,883	1,569,672		-	696,178	$1.02	710	483,416	($0.89)	(431)	15,033
10	Large Gen TOU-Tran	SC-3A-T	1,091	5,020.00	5,475	13,202,017	$3.69	48,689	6,934,688		-	1,997,989	$1.02	2,038	6,466,649	($0.84)	(5,443)	50,758
11	Lighting	SC-L		Same as Pres	38,814				162,276		18,466							57,280
12			19,973,048		440,294	50,582,718		462,372	32,880,973		779,700	4,827,625		4,625	8,529,566		(7,080)	1,679,912
13			*19,973,048*			*50,582,718*			*32,880,973*									
14																		

Case 17-E-0238
Appendix 2
Schedule 3.4C

Sch. 3.5

Niagara Mohawk Power Corporation d/b/a National Grid
Rate Plan
Years Ending March 31, 2019-2022
Surcredits

		Deferral Balances			Rate Year 1 Surcredit			Rate Year 2 Surcredit			Rate Year 3 Surcredit			Rate Year 4 Surcredit		
Line	Description	Deferral Balance	Delivery Margin at Present Rates	Portion of Delivery Margin	Year 1 Portion	Year 1 Adjust-ment	Surcredit	Year 2 Portion	Year 2 Adjust-ment	Surcredit	Year 3 Portion	Year 3 Adjust-ment	Surcredit	Year 4 Portion	Year 4 Adjust-ment	Surcredit
1	Residential	(124,699)	844,201	62.2%	(83,133)	9,133	(74,000)	(32,837)	(5,163)	(38,000)	(8,729)	(2,271)	(11,000)	(1,699)	(0)	(1,699)
2	Residential TOU	(1,628)	11,019	0.8%	(1,085)	267	(818)	(429)	(101)	(530)	(114)	(86)	(200)	(80)	0	(80)
3	Small Gen No Dem	(9,535)	64,552	4.8%	(6,357)	1,922	(4,435)	(2,511)	(489)	(3,000)	(667)	(733)	(1,400)	(700)	0	(700)
4	Small Gen Demand	(26,513)	179,491	13.2%	(17,675)	1,262	(16,413)	(6,982)	(1,018)	(8,000)	(1,856)	256	(1,600)	(500)	(0)	(500)
5	Large Gen-Sec	(18,750)	126,933	9.4%	(12,500)	2,100	(10,400)	(4,937)	(763)	(5,700)	(1,312)	(738)	(2,050)	(600)	(0)	(600)
6	Large Gen-Pri	(6,134)	41,529	3.1%	(4,090)	590	(3,500)	(1,615)	(155)	(1,770)	(429)	(221)	(650)	(214)	0	(214)
7	Large Gen-Tran	(955)	6,463	0.5%	(636)	96	(540)	(251)	(29)	(280)	(67)	(33)	(100)	(35)	0	(35)
8	Large Gen TOU-S/P	(3,583)	24,259	1.8%	(2,389)	189	(2,200)	(944)	(156)	(1,100)	(251)	(24)	(275)	(8)	(0)	(8)
9	Large Gen TOU-SubT	(1,993)	13,490	1.0%	(1,328)	428	(900)	(525)	(150)	(675)	(139)	(221)	(360)	(58)	0	(58)
10	Large Gen TOU-Tran	(6,610)	44,752	3.3%	(4,407)	(453)	(4,860)	(1,741)	1,241	(500)	(463)	(387)	(850)	(400)	0	(400)
11	Lighting		53,440		-	1,150	1,150	-	260	260	-	(975)	(975)	(435)	-	(435)
12		(200,400)	1,410,132	100.0%	(133,600)	16,684	(116,916)	(52,772)	(6,523)	(59,295)	(14,028)	(5,432)	(19,460)	(4,729)	(0)	(4,729)
13					66.67%			26.33%			7.00%					
14	Without Lighting		1,356,691													
15																
16	Total Deferral	(267,200)														
17	Rate Case %	75.0%														
18	Rate Case Deferral	(200,400)														
19																
20																

Case 17-E-0238
Appendix 2
Schedule 3.5

Sch. 3.6

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Voluntary TOU Rates For SC1

Line		Test Year		FY 19
1	Total SC-1 Revenue Requirement		$	987,732,829
2	SC-1 Revenue target		$	965,189,659
3	% revenue requirement from final rev allocation			97.7%
4				
5	Demand-related charges from Revenue Requirement		$	525,238,298
6	% revenue requirement from final rev allocation			97.7%
7	Demand related charges in revenue allocation		$	513,250,708
8	% of demand-related charges to ECOS Rev Req			53.2%
9				
10	SC-1 Rev allocation from final rate design		$	965,189,659
11	Less:			
12	Customer charge, Proposed		$	302,255,401
13	Merchant Function charge, Proposed			17,723,877
14	Demand related charges, Portion of total	Line 10 X Line 8		513,250,708
15	Non-Demand related charges, All kWh		$	131,959,673
16				
17	SC-1 Total kWh			11,965,519,555
18	***$/kWh rate to be collected over all hours***	Line 15 / Line 17	***$***	***0.01103***
19				
20	SC-1 On-Peak kWh % of Total	72.82%		8,713,457,737
21	***$/kWh adder to be collected during on pk hrs***	Line 14 / Line 20	***$***	***0.05890***
22				
23	***Voluntary TOU off-peak $/kWh delivery rate***		***$***	***0.01103***
24	***Voluntary TOU on-pk $/kWh delivery rate***		***$***	***0.06993***
25				

Case 17-E-0238
Appendix 2
Schedule 3.6

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$22.96	$23.35	$0.39	1.70%	$4.38	$4.35	($0.03)	-0.68%	$27.34	$27.70	$0.36	1.32%
200	$28.39	$29.18	$0.79	2.78%	$8.76	$8.71	($0.05)	-0.57%	$37.15	$37.89	$0.74	1.99%
300	$33.83	$35.01	$1.18	3.49%	$13.13	$13.06	($0.07)	-0.53%	$46.96	$48.07	$1.11	2.36%
400	$39.26	$40.84	$1.58	4.02%	$17.51	$17.42	($0.09)	-0.51%	$56.77	$58.26	$1.49	2.62%
500	$44.70	$46.67	$1.97	4.41%	$21.89	$21.77	($0.12)	-0.55%	$66.59	$68.44	$1.85	2.78%
600	$50.13	$52.50	$2.37	4.73%	$26.27	$26.12	($0.15)	-0.57%	$76.40	$78.62	$2.22	2.91%
700	$55.57	$58.33	$2.76	4.97%	$30.64	$30.48	($0.16)	-0.52%	$86.21	$88.81	$2.60	3.02%
800	$61.00	$64.16	$3.16	5.18%	$35.02	$34.83	($0.19)	-0.54%	$96.02	$98.99	$2.97	3.09%
900	$66.44	$69.98	$3.54	5.33%	$39.40	$39.19	($0.21)	-0.53%	$105.84	$109.17	$3.33	3.15%
1,000	$71.87	$75.81	$3.94	5.48%	$43.78	$43.54	($0.24)	-0.55%	$115.65	$119.35	$3.70	3.20%
1,100	$77.31	$81.64	$4.33	5.60%	$48.15	$47.89	($0.26)	-0.54%	$125.46	$129.53	$4.07	3.24%
1,200	$82.74	$87.47	$4.73	5.72%	$52.53	$52.25	($0.28)	-0.53%	$135.27	$139.72	$4.45	3.29%
1,300	$88.18	$93.30	$5.12	5.81%	$56.91	$56.60	($0.31)	-0.54%	$145.09	$149.90	$4.81	3.32%
1,400	$93.61	$99.13	$5.52	5.90%	$61.29	$60.96	($0.33)	-0.54%	$154.90	$160.09	$5.19	3.35%
1,500	$99.04	$104.96	$5.92	5.98%	$65.66	$65.31	($0.35)	-0.53%	$164.70	$170.27	$5.57	3.38%
1,600	$104.48	$110.78	$6.30	6.03%	$70.04	$69.66	($0.38)	-0.54%	$174.52	$180.44	$5.92	3.39%
1,700	$109.91	$116.61	$6.70	6.10%	$74.42	$74.02	($0.40)	-0.54%	$184.33	$190.63	$6.30	3.42%
1,800	$115.35	$122.44	$7.09	6.15%	$78.80	$78.37	($0.43)	-0.55%	$194.15	$200.81	$6.66	3.43%
1,900	$120.78	$128.27	$7.49	6.20%	$83.17	$82.73	($0.44)	-0.53%	$203.95	$211.00	$7.05	3.46%
2,000	$126.22	$134.10	$7.88	6.24%	$87.55	$87.08	($0.47)	-0.54%	$213.77	$221.18	$7.41	3.47%
2,200	$137.09	$145.76	$8.67	6.32%	$96.31	$95.79	($0.52)	-0.54%	$233.40	$241.55	$8.15	3.49%
2,400	$147.96	$157.41	$9.45	6.39%	$105.06	$104.50	($0.56)	-0.53%	$253.02	$261.91	$8.89	3.51%
2,600	$158.82	$169.07	$10.25	6.45%	$113.82	$113.21	($0.61)	-0.54%	$272.64	$282.28	$9.64	3.54%
2,800	$169.69	$180.73	$11.04	6.51%	$122.57	$121.91	($0.66)	-0.54%	$292.26	$302.64	$10.38	3.55%
3,000	$180.56	$192.39	$11.83	6.55%	$131.33	$130.62	($0.71)	-0.54%	$311.89	$323.01	$11.12	3.57%
3,200	$191.43	$204.04	$12.61	6.59%	$140.08	$139.33	($0.75)	-0.54%	$331.51	$343.37	$11.86	3.58%
3,400	$202.30	$215.70	$13.40	6.62%	$148.84	$148.04	($0.80)	-0.54%	$351.14	$363.74	$12.60	3.59%
3,600	$213.17	$227.36	$14.19	6.66%	$157.59	$156.75	($0.84)	-0.53%	$370.76	$384.11	$13.35	3.60%
3,800	$224.04	$239.01	$14.97	6.68%	$166.35	$165.45	($0.90)	-0.54%	$390.39	$404.46	$14.07	3.60%
4,000	$234.91	$250.67	$15.76	6.71%	$175.10	$174.16	($0.94)	-0.54%	$410.01	$424.83	$14.82	3.61%

Current

Customer Charge		$17.00
T&D Energy Charge	kWh x	$0.04758
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001162
Electricity Supply Rate Mechanism	kWh x	$0.003310
Commodity Energy Charge	kWh x	$0.03455
Transmission Revenue Adjustment Charge	kWh x	($0.00369)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Incremental State Assessment	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00218
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		$17.00
T&D Energy Charge	kWh x	$0.05044
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001162
Electricity Supply Rate Mechanism	kWh x	$0.003310
Commodity Energy Charge	kWh x	$0.03455
Transmission Revenue Adjustment Charge	kWh x	($0.00092)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00195
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

TYPICAL BILL IMPACTS
SC-1C RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

On-Peak		Delivery				Commodity				Total			
kWh Usage	Percentage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
500	7%	$50.19	$49.86	($0.33)	-0.66%	$20.40	$20.28	($0.12)	-0.59%	$70.59	$70.14	($0.45)	-0.64%
600	7%	$54.05	$53.65	($0.40)	-0.74%	$24.48	$24.34	($0.14)	-0.57%	$78.53	$77.99	($0.54)	-0.69%
700	7%	$57.90	$57.43	($0.47)	-0.81%	$28.56	$28.39	($0.17)	-0.60%	$86.46	$85.82	($0.64)	-0.74%
800	7%	$61.75	$61.22	($0.53)	-0.86%	$32.64	$32.45	($0.19)	-0.58%	$94.39	$93.67	($0.72)	-0.76%
900	7%	$65.60	$65.01	($0.59)	-0.90%	$36.72	$36.51	($0.21)	-0.57%	$102.32	$101.52	($0.80)	-0.78%
1,000	7%	$69.46	$68.79	($0.67)	-0.96%	$40.80	$40.56	($0.24)	-0.59%	$110.26	$109.35	($0.91)	-0.83%
1,100	7%	$73.31	$72.58	($0.73)	-1.00%	$44.88	$44.62	($0.26)	-0.58%	$118.19	$117.20	($0.99)	-0.84%
1,200	7%	$77.16	$76.36	($0.80)	-1.04%	$48.96	$48.68	($0.28)	-0.57%	$126.12	$125.04	($1.08)	-0.86%
1,300	7%	$81.02	$80.15	($0.87)	-1.07%	$53.04	$52.73	($0.31)	-0.58%	$134.06	$132.88	($1.18)	-0.88%
1,400	7%	$84.87	$83.94	($0.93)	-1.10%	$57.12	$56.79	($0.33)	-0.58%	$141.99	$140.73	($1.26)	-0.89%
1,500	7%	$88.72	$87.72	($1.00)	-1.13%	$61.20	$60.85	($0.35)	-0.57%	$149.92	$148.57	($1.35)	-0.90%
1,600	7%	$92.57	$91.51	($1.06)	-1.15%	$65.28	$64.90	($0.38)	-0.58%	$157.85	$156.41	($1.44)	-0.91%
1,700	7%	$96.43	$95.30	($1.13)	-1.17%	$69.36	$68.96	($0.40)	-0.58%	$165.79	$164.26	($1.53)	-0.92%
1,800	7%	$100.28	$99.08	($1.20)	-1.20%	$73.44	$73.01	($0.43)	-0.59%	$173.72	$172.09	($1.63)	-0.94%
1,900	7%	$104.13	$102.87	($1.26)	-1.21%	$77.52	$77.07	($0.45)	-0.58%	$181.65	$179.94	($1.71)	-0.94%
2,000	7%	$107.99	$106.66	($1.33)	-1.23%	$81.60	$81.13	($0.47)	-0.58%	$189.59	$187.79	($1.80)	-0.95%
2,100	7%	$111.84	$110.44	($1.40)	-1.25%	$85.68	$85.18	($0.50)	-0.58%	$197.52	$195.62	($1.90)	-0.96%
2,200	7%	$115.69	$114.23	($1.46)	-1.26%	$89.76	$89.24	($0.52)	-0.58%	$205.45	$203.47	($1.98)	-0.96%
2,300	7%	$119.54	$118.01	($1.53)	-1.28%	$93.84	$93.30	($0.54)	-0.58%	$213.38	$211.31	($2.07)	-0.97%
2,400	7%	$123.40	$121.80	($1.60)	-1.30%	$97.92	$97.35	($0.57)	-0.58%	$221.32	$219.15	($2.17)	-0.98%
2,500	7%	$127.25	$125.59	($1.66)	-1.30%	$102.00	$101.41	($0.59)	-0.58%	$229.25	$227.00	($2.25)	-0.98%
2,600	7%	$131.10	$129.37	($1.73)	-1.32%	$106.08	$105.47	($0.61)	-0.58%	$237.18	$234.84	($2.34)	-0.99%
2,700	7%	$134.96	$133.16	($1.80)	-1.33%	$110.16	$109.52	($0.64)	-0.58%	$245.12	$242.68	($2.44)	-1.00%
2,800	7%	$138.81	$136.95	($1.86)	-1.34%	$114.24	$113.58	($0.66)	-0.58%	$253.05	$250.53	($2.52)	-1.00%
2,900	7%	$142.66	$140.73	($1.93)	-1.35%	$118.32	$117.63	($0.69)	-0.58%	$260.98	$258.36	($2.62)	-1.00%
3,000	7%	$146.51	$144.52	($1.99)	-1.36%	$122.40	$121.69	($0.71)	-0.58%	$268.91	$266.21	($2.70)	-1.00%
3,100	7%	$150.37	$148.31	($2.06)	-1.37%	$126.48	$125.75	($0.73)	-0.58%	$276.85	$274.06	($2.79)	-1.01%
3,200	7%	$154.22	$152.09	($2.13)	-1.38%	$130.56	$129.80	($0.76)	-0.58%	$284.78	$281.89	($2.89)	-1.01%
3,300	7%	$158.07	$155.88	($2.19)	-1.39%	$134.64	$133.86	($0.78)	-0.58%	$292.71	$289.74	($2.97)	-1.01%
3,400	7%	$161.93	$159.66	($2.27)	-1.40%	$138.72	$137.92	($0.80)	-0.58%	$300.65	$297.58	($3.07)	-1.02%
3,500	7%	$165.78	$163.45	($2.33)	-1.41%	$142.80	$141.97	($0.83)	-0.58%	$308.58	$305.42	($3.16)	-1.02%
3,600	7%	$169.63	$167.24	($2.39)	-1.41%	$146.87	$146.03	($0.84)	-0.57%	$316.50	$313.27	($3.23)	-1.02%
3,700	7%	$173.48	$171.02	($2.46)	-1.42%	$150.95	$150.09	($0.86)	-0.57%	$324.43	$321.11	($3.32)	-1.02%
3,900	7%	$181.19	$178.60	($2.59)	-1.43%	$159.11	$158.20	($0.91)	-0.57%	$340.30	$336.80	($3.50)	-1.03%
4,200	7%	$192.75	$189.96	($2.79)	-1.45%	$171.35	$170.37	($0.98)	-0.57%	$364.10	$360.33	($3.77)	-1.04%
4,500	7%	$204.31	$201.32	($2.99)	-1.46%	$183.59	$182.54	($1.05)	-0.57%	$387.90	$383.86	($4.04)	-1.04%

Current

Customer Charge			$30.00
T&D Energy Charge		kWh x	$0.03140
Revenue Decoupling Mechanisn		kWh x	$0.00000
Legacy Transition Charge		kWh x	$0.001162
Commodity On Peak	7%	kWh x	$0.05238
Commodity Shoulder Peak	12%	kWh x	$0.04513
Commodity Off Peak	81%	kWh x	$0.03189
Transmission Revenue Adjustment Charg		kWh x	($0.00286)
Systems Benefits Charge (SBC/CES)		kWh x	$0.007511
Incremental State Assessment Surcharge		kWh x	$0.000000
Merchant Function Charge		kWh x	$0.00218
DLM Surcharge		kWh x	$0.00016
CES Supply Charge		kWh x	$0.00330
CES Delivery Charge		kWh x	$0.00000
Gross Receipts Tax			
Commodity		Bill /	0.9900
Delivery		Bill /	0.9700

Proposed

Customer Charge			$30.00
T&D Energy Charge		kWh x	$0.03042
Revenue Decoupling Mechanisn		kWh x	$0.00000
Legacy Transition Charge		kWh x	$0.001162
Commodity On Peak		kWh x	$0.05238
Commodity Shoulder Peak		kWh x	$0.04513
Commodity Off Peak		kWh x	$0.03189
Transmission Revenue Adjustment Charge		kWh x	($0.00071)
Systems Benefits Charge (CEF/EES)		kWh x	$0.005701
Incremental State Assessment Surcharge		kWh x	$0.000000
Merchant Function Charge		kWh x	$0.00195
DLM Surcharge		kWh x	$0.00016
CES Supply Charge		kWh x	$0.00330
CES Delivery Charge		kWh x	$0.00000
Gross Receipts Tax			
Commodity		Bill /	0.9900
Delivery		Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI
Commodity includes the Commodity Energy chargeMerchant Function Charge, CES Supply Charge and Commodity GRT

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND
Central Region (Load Zones 2C, 3E and 31D

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
150	$30.58	$30.57	($0.01)	-0.03%	$6.85	$6.82	($0.03)	-0.44%	$37.43	$37.39	($0.04)	-0.11%
250	$36.81	$36.80	($0.01)	-0.03%	$11.42	$11.36	($0.06)	-0.53%	$48.23	$48.16	($0.07)	-0.15%
350	$43.04	$43.03	($0.01)	-0.02%	$15.99	$15.90	($0.09)	-0.56%	$59.03	$58.93	($0.10)	-0.17%
450	$49.27	$49.26	($0.01)	-0.02%	$20.55	$20.45	($0.10)	-0.49%	$69.82	$69.71	($0.11)	-0.16%
550	$55.50	$55.49	($0.01)	-0.02%	$25.12	$24.99	($0.13)	-0.52%	$80.62	$80.48	($0.14)	-0.17%
650	$61.73	$61.71	($0.02)	-0.03%	$29.69	$29.54	($0.15)	-0.51%	$91.42	$91.25	($0.17)	-0.19%
750	$67.96	$67.94	($0.02)	-0.03%	$34.26	$34.08	($0.18)	-0.53%	$102.22	$102.02	($0.20)	-0.20%
850	$74.19	$74.17	($0.02)	-0.03%	$38.82	$38.62	($0.20)	-0.52%	$113.01	$112.79	($0.22)	-0.19%
950	$80.42	$80.40	($0.02)	-0.02%	$43.39	$43.17	($0.22)	-0.51%	$123.81	$123.57	($0.24)	-0.19%
1,050	$86.65	$86.63	($0.02)	-0.02%	$47.96	$47.71	($0.25)	-0.52%	$134.61	$134.34	($0.27)	-0.20%
1,150	$92.88	$92.86	($0.02)	-0.02%	$52.53	$52.26	($0.27)	-0.51%	$145.41	$145.12	($0.29)	-0.20%
1,250	$99.11	$99.08	($0.03)	-0.03%	$57.09	$56.80	($0.29)	-0.51%	$156.20	$155.88	($0.32)	-0.20%
1,350	$105.34	$105.31	($0.03)	-0.03%	$61.66	$61.34	($0.32)	-0.52%	$167.00	$166.65	($0.35)	-0.21%
1,450	$111.57	$111.54	($0.03)	-0.03%	$66.23	$65.89	($0.34)	-0.51%	$177.80	$177.43	($0.37)	-0.21%
1,550	$117.79	$117.77	($0.02)	-0.02%	$70.80	$70.43	($0.37)	-0.52%	$188.59	$188.20	($0.39)	-0.21%
1,650	$124.02	$124.00	($0.02)	-0.02%	$75.36	$74.97	($0.39)	-0.52%	$199.38	$198.97	($0.41)	-0.21%
1,750	$130.25	$130.22	($0.03)	-0.02%	$79.93	$79.52	($0.41)	-0.51%	$210.18	$209.74	($0.44)	-0.21%
1,850	$136.48	$136.45	($0.03)	-0.02%	$84.50	$84.06	($0.44)	-0.52%	$220.98	$220.51	($0.47)	-0.21%
1,950	$142.71	$142.68	($0.03)	-0.02%	$89.06	$88.61	($0.45)	-0.51%	$231.77	$231.29	($0.48)	-0.21%
2,050	$148.94	$148.91	($0.03)	-0.02%	$93.63	$93.15	($0.48)	-0.51%	$242.57	$242.06	($0.51)	-0.21%

Current

Customer Charge		$21.02
T&D Energy Charge	kWh x	$0.05696
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001162
Electricity Supply Rate Mechanism	kWh x	$0.003310
Commodity Energy Charge	kWh x	$0.03643
Transmission Revenue Adjustment Charge	kWh x	($0.00411)
Systems Benefits Charge (CES/EES)	kWh x	$0.007511
Merchant Function Charge	kWh x	$0.00218
Incremental State Assessment Surcharge	kWh x	$0.00000
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$21.02
T&D Energy Charge	kWh x	$0.05567
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001162
Electricity Supply Rate Mechanism	kWh x	$0.003310
Commodity Energy Charge	kWh x	$0.03643
Transmission Revenue Adjustment Charge	kWh x	($0.00103)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00195
Incremental State Assessment Surcharge	kWh x	$0.00000
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI
Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GI

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$131.62	$134.57	$2.95	2.24%	$39.63	$39.72	$0.09	0.23%	$171.25	$174.29	$3.04	1.78%
1,512	7.0	$134.44	$137.66	$3.22	2.40%	$59.44	$59.58	$0.14	0.24%	$193.88	$197.24	$3.36	1.73%
2,016	7.0	$137.27	$140.76	$3.49	2.54%	$79.25	$79.44	$0.19	0.24%	$216.52	$220.20	$3.68	1.70%
2,520	7.0	$140.09	$143.86	$3.77	2.69%	$99.06	$99.30	$0.24	0.24%	$239.15	$243.16	$4.01	1.68%
2,160	15.0	$221.41	$227.73	$6.32	2.85%	$84.91	$85.11	$0.20	0.24%	$306.32	$312.84	$6.52	2.13%
3,240	15.0	$227.46	$234.36	$6.90	3.03%	$127.37	$127.67	$0.30	0.24%	$354.83	$362.03	$7.20	2.03%
4,320	15.0	$233.52	$241.00	$7.48	3.20%	$169.82	$170.22	$0.40	0.24%	$403.34	$411.22	$7.88	1.95%
5,400	15.0	$239.57	$247.63	$8.06	3.36%	$212.28	$212.78	$0.50	0.24%	$451.85	$460.41	$8.56	1.89%
3,600	25.0	$333.65	$344.18	$10.53	3.16%	$141.52	$141.85	$0.33	0.23%	$475.17	$486.03	$10.86	2.29%
5,400	25.0	$343.74	$355.24	$11.50	3.35%	$212.28	$212.78	$0.50	0.24%	$556.02	$568.02	$12.00	2.16%
7,000	25.0	$352.71	$365.07	$12.36	3.50%	$275.17	$275.82	$0.65	0.24%	$627.88	$640.89	$13.01	2.07%
9,000	25.0	$363.92	$377.36	$13.44	3.69%	$353.80	$354.63	$0.83	0.23%	$717.72	$731.99	$14.27	1.99%
5,760	40.0	$502.01	$518.85	$16.84	3.35%	$226.43	$226.96	$0.53	0.23%	$728.44	$745.81	$17.37	2.38%
8,640	40.0	$518.15	$536.55	$18.40	3.55%	$339.64	$340.45	$0.81	0.24%	$857.79	$877.00	$19.21	2.24%
11,520	40.0	$534.29	$554.25	$19.96	3.74%	$452.86	$453.93	$1.07	0.24%	$987.15	$1,008.18	$21.03	2.13%
14,400	40.0	$550.43	$571.94	$21.51	3.91%	$566.07	$567.41	$1.34	0.24%	$1,116.50	$1,139.35	$22.85	2.05%
8,640	60.0	$726.49	$751.76	$25.27	3.48%	$339.64	$340.45	$0.81	0.24%	$1,066.13	$1,092.21	$26.08	2.45%
12,960	60.0	$750.70	$778.30	$27.60	3.68%	$509.47	$510.67	$1.20	0.24%	$1,260.17	$1,288.97	$28.80	2.29%
17,280	60.0	$774.91	$804.84	$29.93	3.86%	$679.29	$680.89	$1.60	0.24%	$1,454.20	$1,485.73	$31.53	2.17%
21,600	60.0	$799.13	$831.39	$32.26	4.04%	$849.11	$851.12	$2.01	0.24%	$1,648.24	$1,682.51	$34.27	2.08%
11,520	80.0	$950.97	$984.66	$33.69	3.54%	$452.86	$453.93	$1.07	0.24%	$1,403.83	$1,438.59	$34.76	2.48%
17,280	80.0	$983.25	$1,020.05	$36.80	3.74%	$679.29	$680.89	$1.60	0.24%	$1,662.54	$1,700.94	$38.40	2.31%
23,040	80.0	$1,015.54	$1,055.44	$39.90	3.93%	$905.72	$907.86	$2.14	0.24%	$1,921.26	$1,963.30	$42.04	2.19%
28,800	80.0	$1,047.82	$1,090.83	$43.01	4.10%	$1,132.15	$1,134.82	$2.67	0.24%	$2,179.97	$2,225.65	$45.68	2.10%
14,400	100.0	$1,175.45	$1,217.56	$42.11	3.58%	$566.07	$567.41	$1.34	0.24%	$1,741.52	$1,784.97	$43.45	2.49%
21,600	100.0	$1,215.80	$1,261.80	$46.00	3.78%	$849.11	$851.12	$2.01	0.24%	$2,064.91	$2,112.92	$48.01	2.33%
28,800	100.0	$1,256.16	$1,306.04	$49.88	3.97%	$1,132.15	$1,134.82	$2.67	0.24%	$2,388.31	$2,440.86	$52.55	2.20%
36,000	100.0	$1,296.51	$1,350.28	$53.77	4.15%	$1,415.18	$1,418.53	$3.35	0.24%	$2,711.69	$2,768.81	$57.12	2.11%

Current

Customer Charge		$52.52
T&D Demand Charge	kW x	$10.27
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03511
Transmission Revenue Adjustment Charge	kWh x	($0.00312)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Merchant Function Charge	kWh x	$0.00051
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$52.52
T&D Demand Charge	kW x	$10.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03511
Transmission Revenue Adjustment Charge	kWh x	($0.00078)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00060
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,458.22	$1,544.94	$86.72	5.95%	$1,124.58	$1,127.26	$2.68	0.24%	$2,582.80	$2,672.20	$89.40	3.46%
36,000	100.0	$1,502.72	$1,590.20	$87.47	5.82%	$1,405.73	$1,409.07	$3.34	0.24%	$2,908.45	$2,999.27	$90.81	3.12%
43,200	100.0	$1,547.22	$1,635.46	$88.23	5.70%	$1,686.87	$1,690.89	$4.02	0.24%	$3,234.09	$3,326.35	$92.25	2.85%
57,600	100.0	$1,636.22	$1,725.97	$89.75	5.49%	$2,249.16	$2,254.52	$5.36	0.24%	$3,885.38	$3,980.49	$95.11	2.45%
57,600	200.0	$2,653.67	$2,761.60	$107.93	4.07%	$2,249.16	$2,254.52	$5.36	0.24%	$4,902.83	$5,016.12	$113.29	2.31%
72,000	200.0	$2,742.67	$2,852.11	$109.44	3.99%	$2,811.45	$2,818.15	$6.70	0.24%	$5,554.12	$5,670.26	$116.14	2.09%
86,400	200.0	$2,831.67	$2,942.63	$110.96	3.92%	$3,373.75	$3,381.78	$8.03	0.24%	$6,205.42	$6,324.41	$118.99	1.92%
115,200	200.0	$3,009.67	$3,123.66	$113.99	3.79%	$4,498.33	$4,509.04	$10.71	0.24%	$7,508.00	$7,632.70	$124.70	1.66%
72,000	250.0	$3,251.39	$3,369.93	$118.54	3.65%	$2,811.45	$2,818.15	$6.70	0.24%	$6,062.84	$6,188.08	$125.24	2.07%
90,000	250.0	$3,362.64	$3,483.07	$120.43	3.58%	$3,514.32	$3,522.68	$8.36	0.24%	$6,876.96	$7,005.75	$128.79	1.87%
100,000	250.0	$3,424.45	$3,545.93	$121.48	3.55%	$3,904.80	$3,914.09	$9.29	0.24%	$7,329.25	$7,460.02	$130.77	1.78%
144,000	250.0	$3,696.39	$3,822.50	$126.11	3.41%	$5,622.91	$5,636.29	$13.38	0.24%	$9,319.30	$9,458.79	$139.49	1.50%
144,000	500.0	$6,240.00	$6,411.57	$171.57	2.75%	$5,622.91	$5,636.29	$13.38	0.24%	$11,862.91	$12,047.86	$184.95	1.56%
180,000	500.0	$6,462.50	$6,637.86	$175.35	2.71%	$7,028.64	$7,045.37	$16.73	0.24%	$13,491.14	$13,683.23	$192.08	1.42%
216,000	500.0	$6,685.00	$6,864.15	$179.14	2.68%	$8,434.36	$8,454.44	$20.08	0.24%	$15,119.36	$15,318.59	$199.22	1.32%
288,000	500.0	$7,130.00	$7,316.72	$186.72	2.62%	$11,245.82	$11,272.59	$26.77	0.24%	$18,375.82	$18,589.31	$213.49	1.16%
216,000	750.0	$9,228.62	$9,453.21	$224.60	2.43%	$8,434.36	$8,454.44	$20.08	0.24%	$17,662.98	$17,907.65	$244.68	1.39%
270,000	750.0	$9,562.37	$9,792.65	$230.28	2.41%	$10,542.95	$10,568.05	$25.10	0.24%	$20,105.32	$20,360.70	$255.38	1.27%
324,000	750.0	$9,896.12	$10,132.08	$235.96	2.38%	$12,651.55	$12,681.66	$30.11	0.24%	$22,547.67	$22,813.74	$266.07	1.18%
432,000	750.0	$10,563.62	$10,810.94	$247.32	2.34%	$16,868.73	$16,908.88	$40.15	0.24%	$27,432.35	$27,719.82	$287.47	1.05%
432,000	1,500.0	$18,194.46	$18,578.14	$383.69	2.11%	$16,868.73	$16,908.88	$40.15	0.24%	$35,063.19	$35,487.02	$423.84	1.21%
540,000	1,500.0	$18,861.96	$19,257.01	$395.05	2.09%	$21,085.91	$21,136.10	$50.19	0.24%	$39,947.87	$40,393.11	$445.24	1.11%
648,000	1,500.0	$19,529.46	$19,935.87	$406.41	2.08%	$25,303.09	$25,363.32	$60.23	0.24%	$44,832.55	$45,299.19	$466.64	1.04%
864,000	1,500.0	$20,864.46	$21,293.60	$429.14	2.06%	$33,737.45	$33,817.77	$80.32	0.24%	$54,601.91	$55,111.37	$509.46	0.93%
576,000	2,000.0	$24,171.68	$24,661.43	$489.75	2.03%	$22,491.64	$22,545.18	$53.54	0.24%	$46,663.32	$47,206.61	$543.29	1.16%
720,000	2,000.0	$25,061.68	$25,566.58	$504.90	2.01%	$28,114.55	$28,181.47	$66.92	0.24%	$53,176.23	$53,748.05	$571.82	1.08%
864,000	2,000.0	$25,951.68	$26,471.73	$520.05	2.00%	$33,737.45	$33,817.77	$80.32	0.24%	$59,689.13	$60,289.50	$600.37	1.01%
1,152,000	2,000.0	$27,731.68	$28,282.04	$550.35	1.98%	$44,983.27	$45,090.35	$107.08	0.24%	$72,714.95	$73,372.39	$657.43	0.90%

Current

Customer Charge		$260.15
T&D Demand Charge	kW x	$10.03
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03485
Transmission Revenue Adjustment Charge	kWh x	($0.00255)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Merchant Function Charge	kWh x	$0.00051
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$325.00
T&D Demand Charge	kW x	$10.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03485
Transmission Revenue Adjustment Charge	kWh x	($0.00064)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00060
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,456.11	$1,498.48	$42.37	2.91%	$1,092.87	$1,095.55	$2.68	0.25%	$2,548.98	$2,594.03	$45.05	1.77%
36,000	100.0	$1,502.98	$1,544.32	$41.34	2.75%	$1,366.09	$1,369.44	$3.35	0.25%	$2,869.07	$2,913.76	$44.69	1.56%
43,200	100.0	$1,549.84	$1,590.16	$40.32	2.60%	$1,639.31	$1,643.32	$4.01	0.24%	$3,189.15	$3,233.48	$44.33	1.39%
57,600	100.0	$1,643.57	$1,681.84	$38.27	2.33%	$2,185.75	$2,191.10	$5.35	0.24%	$3,829.32	$3,872.94	$43.62	1.14%
57,600	200.0	$2,471.11	$2,555.85	$84.74	3.43%	$2,185.75	$2,191.10	$5.35	0.24%	$4,656.86	$4,746.95	$90.09	1.93%
72,000	200.0	$2,564.84	$2,647.53	$82.69	3.22%	$2,732.18	$2,738.87	$6.69	0.24%	$5,297.02	$5,386.40	$89.38	1.69%
86,400	200.0	$2,658.57	$2,739.21	$80.64	3.03%	$3,278.62	$3,286.65	$8.03	0.24%	$5,937.19	$6,025.86	$88.67	1.49%
115,200	200.0	$2,846.02	$2,922.56	$76.54	2.69%	$4,371.49	$4,382.20	$10.71	0.24%	$7,217.51	$7,304.76	$87.25	1.21%
72,000	250.0	$2,978.61	$3,084.53	$105.92	3.56%	$2,732.18	$2,738.87	$6.69	0.24%	$5,710.79	$5,823.40	$112.61	1.97%
90,000	250.0	$3,095.77	$3,199.13	$103.36	3.34%	$3,415.23	$3,423.59	$8.36	0.24%	$6,511.00	$6,622.72	$111.72	1.72%
108,000	250.0	$3,212.93	$3,313.73	$100.80	3.14%	$4,098.27	$4,108.31	$10.04	0.24%	$7,311.20	$7,422.04	$110.84	1.52%
144,000	250.0	$3,447.25	$3,542.93	$95.68	2.78%	$5,464.36	$5,477.75	$13.39	0.25%	$8,911.61	$9,020.68	$109.07	1.22%
144,000	500.0	$5,516.12	$5,727.95	$211.84	3.84%	$5,464.36	$5,477.75	$13.39	0.25%	$10,980.48	$11,205.70	$225.23	2.05%
180,000	500.0	$5,750.43	$5,957.15	$206.72	3.59%	$6,830.45	$6,847.19	$16.74	0.25%	$12,580.88	$12,804.34	$223.46	1.78%
225,000	500.0	$6,043.33	$6,243.65	$200.32	3.31%	$8,538.07	$8,558.98	$20.91	0.24%	$14,581.40	$14,802.63	$221.23	1.52%
288,000	500.0	$6,453.39	$6,644.74	$191.35	2.97%	$10,928.73	$10,955.50	$26.77	0.24%	$17,382.12	$17,600.24	$218.12	1.25%
216,000	750.0	$8,053.62	$8,371.38	$317.76	3.95%	$8,196.55	$8,216.62	$20.07	0.24%	$16,250.17	$16,588.00	$337.83	2.08%
270,000	750.0	$8,405.09	$8,715.17	$310.08	3.69%	$10,245.68	$10,270.78	$25.10	0.24%	$18,650.77	$18,985.95	$335.18	1.80%
324,000	750.0	$8,756.57	$9,058.97	$302.39	3.45%	$12,294.82	$12,324.93	$30.11	0.24%	$21,051.39	$21,383.90	$332.50	1.58%
432,000	750.0	$9,459.53	$9,746.56	$287.03	3.03%	$16,393.09	$16,433.25	$40.16	0.24%	$25,852.62	$26,179.81	$327.19	1.27%
432,000	1,500.0	$15,666.12	$16,301.64	$635.52	4.06%	$16,393.09	$16,433.25	$40.16	0.24%	$32,059.21	$32,734.89	$675.68	2.11%
540,000	1,500.0	$16,369.08	$16,989.23	$620.15	3.79%	$20,491.36	$20,541.56	$50.20	0.24%	$36,860.44	$37,530.79	$670.35	1.82%
648,000	1,500.0	$17,072.03	$17,676.82	$604.79	3.54%	$24,589.64	$24,649.87	$60.23	0.24%	$41,661.67	$42,326.69	$665.02	1.60%
864,000	1,500.0	$18,477.94	$19,052.00	$574.06	3.11%	$32,786.18	$32,866.49	$80.31	0.24%	$51,264.12	$51,918.49	$654.37	1.28%
576,000	2,000.0	$20,741.13	$21,588.48	$847.35	4.09%	$21,857.45	$21,911.00	$53.55	0.24%	$42,598.58	$43,499.48	$900.90	2.11%
720,000	2,000.0	$21,678.40	$22,505.27	$826.87	3.81%	$27,321.82	$27,388.74	$66.92	0.24%	$49,000.22	$49,894.01	$893.79	1.82%
864,000	2,000.0	$22,615.67	$23,422.06	$806.38	3.57%	$32,786.18	$32,866.49	$80.31	0.24%	$55,401.85	$56,288.55	$886.69	1.60%
1,152,000	2,000.0	$24,490.22	$25,255.63	$765.41	3.13%	$43,714.91	$43,821.99	$107.08	0.24%	$68,205.13	$69,077.62	$872.49	1.28%

Current

Customer Charge		$436.70
T&D Demand Charge	kW x	$8.15
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03376
Transmission Revenue Adjustment Charge	kWh x	($0.00223)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Merchant Function Charge	kWh x	$0.00051
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$436.70
T&D Demand Charge	kW x	$8.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03376
Transmission Revenue Adjustment Charge	kWh x	($0.00056)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00060
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,044.40	$1,104.42	$60.02	5.75%	$1,071.35	$1,074.02	$2.67	0.25%	$2,115.75	$2,178.44	$62.69	2.96%
36,000	100.0	$1,091.73	$1,150.40	$58.67	5.37%	$1,339.18	$1,342.53	$3.35	0.25%	$2,430.91	$2,492.93	$62.02	2.55%
43,200	100.0	$1,139.07	$1,196.38	$57.32	5.03%	$1,607.02	$1,611.03	$4.01	0.25%	$2,746.09	$2,807.41	$61.33	2.23%
57,600	100.0	$1,233.74	$1,288.35	$54.61	4.43%	$2,142.69	$2,148.04	$5.35	0.25%	$3,376.43	$3,436.39	$59.96	1.78%
57,600	200.0	$1,517.85	$1,563.38	$45.52	3.00%	$2,142.69	$2,148.04	$5.35	0.25%	$3,660.54	$3,711.42	$50.87	1.39%
72,000	200.0	$1,612.53	$1,655.35	$42.82	2.66%	$2,678.36	$2,685.06	$6.70	0.25%	$4,290.89	$4,340.41	$49.52	1.15%
86,400	200.0	$1,707.20	$1,747.31	$40.12	2.35%	$3,214.04	$3,222.07	$8.03	0.25%	$4,921.24	$4,969.38	$48.15	0.98%
115,200	200.0	$1,896.55	$1,931.25	$34.71	1.83%	$4,285.38	$4,296.09	$10.71	0.25%	$6,181.93	$6,227.34	$45.42	0.73%
72,000	250.0	$1,754.58	$1,792.86	$38.27	2.18%	$2,678.36	$2,685.06	$6.70	0.25%	$4,432.94	$4,477.92	$44.97	1.01%
90,000	250.0	$1,872.92	$1,907.82	$34.89	1.86%	$3,347.95	$3,356.32	$8.37	0.25%	$5,220.87	$5,264.14	$43.26	0.83%
108,000	250.0	$1,991.26	$2,022.78	$31.52	1.58%	$4,017.55	$4,027.58	$10.03	0.25%	$6,008.81	$6,050.36	$41.55	0.69%
144,000	250.0	$2,227.95	$2,252.70	$24.76	1.11%	$5,356.73	$5,370.11	$13.38	0.25%	$7,584.68	$7,622.81	$38.14	0.50%
144,000	500.0	$2,938.23	$2,940.26	$2.03	0.07%	$5,356.73	$5,370.11	$13.38	0.25%	$8,294.96	$8,310.37	$15.41	0.19%
180,000	500.0	$3,174.91	$3,170.18	($4.73)	-0.15%	$6,695.91	$6,712.64	$16.73	0.25%	$9,870.82	$9,882.82	$12.00	0.12%
216,000	500.0	$3,411.59	$3,400.11	($11.48)	-0.34%	$8,035.09	$8,055.17	$20.08	0.25%	$11,446.68	$11,455.28	$8.60	0.08%
288,000	500.0	$3,884.95	$3,859.95	($25.00)	-0.64%	$10,713.45	$10,740.22	$26.77	0.25%	$14,598.40	$14,600.17	$1.77	0.01%
216,000	800.0	$4,263.93	$4,225.17	($38.76)	-0.91%	$8,035.09	$8,055.17	$20.08	0.25%	$12,299.02	$12,280.34	($18.68)	-0.15%
270,000	800.0	$4,618.95	$4,570.05	($48.89)	-1.06%	$10,043.86	$10,068.96	$25.10	0.25%	$14,662.81	$14,639.01	($23.79)	-0.16%
320,000	800.0	$4,947.67	$4,889.39	($58.28)	-1.18%	$11,903.84	$11,933.58	$29.74	0.25%	$16,851.51	$16,822.97	($28.54)	-0.17%
432,000	800.0	$5,684.02	$5,604.71	($79.30)	-1.40%	$16,070.18	$16,110.34	$40.16	0.25%	$21,754.20	$21,715.05	($39.14)	-0.18%
432,000	1,500.0	$7,672.80	$7,529.86	($142.94)	-1.86%	$16,070.18	$16,110.34	$40.16	0.25%	$23,742.98	$23,640.20	($102.78)	-0.43%
540,000	1,500.0	$8,382.85	$8,219.63	($163.21)	-1.95%	$20,087.73	$20,137.92	$50.19	0.25%	$28,470.58	$28,357.55	($113.02)	-0.40%
648,000	1,500.0	$9,092.89	$8,909.41	($183.48)	-2.02%	$24,105.27	$24,165.51	$60.24	0.25%	$33,198.16	$33,074.92	($123.24)	-0.37%
864,000	1,500.0	$10,512.98	$10,288.95	($224.03)	-2.13%	$32,140.36	$32,220.67	$80.31	0.25%	$42,653.34	$42,509.62	($143.72)	-0.34%
576,000	2,000.0	$10,040.09	$9,824.66	($215.42)	-2.15%	$21,426.91	$21,480.45	$53.54	0.25%	$31,467.00	$31,305.11	($161.88)	-0.51%
720,000	2,000.0	$10,986.82	$10,744.36	($242.45)	-2.21%	$26,783.64	$26,850.56	$66.92	0.25%	$37,770.46	$37,594.92	($175.53)	-0.46%
864,000	2,000.0	$11,933.54	$11,664.06	($269.48)	-2.26%	$32,140.36	$32,220.67	$80.31	0.25%	$44,073.90	$43,884.73	($189.17)	-0.43%
1,152,000	2,000.0	$13,827.00	$13,503.45	($323.55)	-2.34%	$42,853.82	$42,960.90	$107.08	0.25%	$56,680.82	$56,464.35	($216.47)	-0.38%

Current

Customer Charge		$565.23
T&D Demand Charge	kW x	$2.77
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03302
Transmission Revenue Adjustment Charge	kWh x	($0.00216)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03302
Transmission Revenue Adjustment Charge	kWh x	($0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,044.40	$1,104.42	$60.02	5.75%	$1,076.58	$1,079.26	$2.68	0.25%	$2,120.98	$2,183.68	$62.70	2.96%
36,000	100.0	$1,091.73	$1,150.40	$58.67	5.37%	$1,345.73	$1,349.07	$3.34	0.25%	$2,437.46	$2,499.47	$62.01	2.54%
43,200	100.0	$1,139.07	$1,196.38	$57.32	5.03%	$1,614.87	$1,618.89	$4.02	0.25%	$2,753.94	$2,815.27	$61.34	2.23%
57,600	100.0	$1,233.74	$1,288.35	$54.61	4.43%	$2,153.16	$2,158.52	$5.36	0.25%	$3,386.90	$3,446.87	$59.97	1.77%
57,600	200.0	$1,517.85	$1,563.38	$45.52	3.00%	$2,153.16	$2,158.52	$5.36	0.25%	$3,671.01	$3,721.90	$50.88	1.39%
72,000	200.0	$1,612.53	$1,655.35	$42.82	2.66%	$2,691.45	$2,698.15	$6.70	0.25%	$4,303.98	$4,353.50	$49.52	1.15%
86,400	200.0	$1,707.20	$1,747.31	$40.12	2.35%	$3,229.75	$3,237.78	$8.03	0.25%	$4,936.95	$4,985.09	$48.15	0.98%
115,200	200.0	$1,896.55	$1,931.25	$34.71	1.83%	$4,306.33	$4,317.04	$10.71	0.25%	$6,202.88	$6,248.29	$45.42	0.73%
72,000	250.0	$1,754.58	$1,792.86	$38.27	2.18%	$2,691.45	$2,698.15	$6.70	0.25%	$4,446.03	$4,491.01	$44.97	1.01%
90,000	250.0	$1,872.92	$1,907.82	$34.89	1.86%	$3,364.32	$3,372.68	$8.36	0.25%	$5,237.24	$5,280.50	$43.25	0.83%
108,000	250.0	$1,991.26	$2,022.78	$31.52	1.58%	$4,037.18	$4,047.22	$10.04	0.25%	$6,028.44	$6,070.00	$41.56	0.69%
144,000	250.0	$2,227.95	$2,252.70	$24.76	1.11%	$5,382.91	$5,396.29	$13.38	0.25%	$7,610.86	$7,648.99	$38.14	0.50%
144,000	500.0	$2,938.23	$2,940.26	$2.03	0.07%	$5,382.91	$5,396.29	$13.38	0.25%	$8,321.14	$8,336.55	$15.41	0.19%
180,000	500.0	$3,174.91	$3,170.18	($4.73)	-0.15%	$6,728.64	$6,745.37	$16.73	0.25%	$9,903.55	$9,915.55	$12.00	0.12%
216,000	500.0	$3,411.59	$3,400.11	($11.48)	-0.34%	$8,074.36	$8,094.44	$20.08	0.25%	$11,485.95	$11,494.55	$8.60	0.07%
288,000	500.0	$3,884.95	$3,859.95	($25.00)	-0.64%	$10,765.82	$10,792.59	$26.77	0.25%	$14,650.77	$14,652.54	$1.77	0.01%
216,000	800.0	$4,263.93	$4,225.17	($38.76)	-0.91%	$8,074.36	$8,094.44	$20.08	0.25%	$12,338.29	$12,319.61	($18.68)	-0.15%
270,000	800.0	$4,618.95	$4,570.05	($48.89)	-1.06%	$10,092.95	$10,118.05	$25.10	0.25%	$14,711.90	$14,688.10	($23.79)	-0.16%
320,000	800.0	$4,947.67	$4,889.39	($58.28)	-1.18%	$11,962.02	$11,991.77	$29.75	0.25%	$16,909.69	$16,881.16	($28.53)	-0.17%
432,000	800.0	$5,684.02	$5,604.71	($79.30)	-1.40%	$16,148.73	$16,188.88	$40.15	0.25%	$21,832.75	$21,793.59	($39.15)	-0.18%
432,000	1,500.0	$7,672.80	$7,529.86	($142.94)	-1.86%	$16,148.73	$16,188.88	$40.15	0.25%	$23,821.53	$23,718.74	($102.79)	-0.43%
540,000	1,500.0	$8,382.85	$8,219.63	($163.21)	-1.95%	$20,185.91	$20,236.10	$50.19	0.25%	$28,568.76	$28,455.73	($113.02)	-0.40%
648,000	1,500.0	$9,092.89	$8,909.41	($183.48)	-2.02%	$24,223.09	$24,283.32	$60.23	0.25%	$33,315.98	$33,192.73	($123.25)	-0.37%
864,000	1,500.0	$10,512.98	$10,288.95	($224.03)	-2.13%	$32,297.45	$32,377.77	$80.32	0.25%	$42,810.43	$42,666.72	($143.71)	-0.34%
576,000	2,000.0	$10,040.09	$9,824.66	($215.42)	-2.15%	$21,531.64	$21,585.18	$53.54	0.25%	$31,571.73	$31,409.84	($161.88)	-0.51%
720,000	2,000.0	$10,986.82	$10,744.36	($242.45)	-2.21%	$26,914.55	$26,981.47	$66.92	0.25%	$37,901.37	$37,725.83	($175.53)	-0.46%
864,000	2,000.0	$11,933.54	$11,664.06	($269.48)	-2.26%	$32,297.45	$32,377.77	$80.32	0.25%	$44,230.99	$44,041.83	($189.16)	-0.43%
1,152,000	2,000.0	$13,827.00	$13,503.45	($323.55)	-2.34%	$43,063.27	$43,170.35	$107.08	0.25%	$56,890.27	$56,673.80	($216.47)	-0.38%

Current

Customer Charge		$565.23
T&D Demand Charge	kW x	$2.77
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03320
Transmission Revenue Adjustment Charge	kWh x	($0.00216)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.003298
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03320
Transmission Revenue Adjustment Charge	kWh x	($0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.003298
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$28,854.01	$30,201.42	$1,347.40	4.67%	$28,354.55	$28,421.47	$66.92	0.24%	$57,208.56	$58,622.89	$1,414.32	2.47%
720,000	50%	2,500.0	$28,854.01	$30,201.42	$1,347.40	4.67%	$26,961.82	$27,028.74	$66.92	0.25%	$55,815.83	$57,230.16	$1,414.32	2.53%
720,000	40%	2,500.0	$28,854.01	$30,201.42	$1,347.40	4.67%	$25,569.09	$25,636.02	$66.93	0.26%	$54,423.10	$55,837.44	$1,414.33	2.60%
1,250,000	60%	2,500.0	$32,206.44	$33,554.29	$1,347.85	4.19%	$49,226.64	$49,342.83	$116.19	0.24%	$81,433.08	$82,897.12	$1,464.04	1.80%
1,250,000	50%	2,500.0	$32,206.44	$33,554.29	$1,347.85	4.19%	$46,808.71	$46,924.90	$116.19	0.25%	$79,015.15	$80,479.19	$1,464.04	1.85%
1,250,000	40%	2,500.0	$32,206.44	$33,554.29	$1,347.85	4.19%	$44,390.78	$44,506.97	$116.19	0.26%	$76,597.22	$78,061.26	$1,464.04	1.91%
1,440,000	60%	2,500.0	$33,408.25	$34,756.26	$1,348.01	4.03%	$56,709.09	$56,842.94	$133.85	0.24%	$90,117.34	$91,599.20	$1,481.86	1.64%
1,440,000	50%	2,500.0	$33,408.25	$34,756.26	$1,348.01	4.03%	$53,923.64	$54,057.49	$133.85	0.25%	$87,331.89	$88,813.75	$1,481.86	1.70%
1,440,000	40%	2,500.0	$33,408.25	$34,756.26	$1,348.01	4.03%	$51,138.18	$51,272.03	$133.85	0.26%	$84,546.43	$86,028.29	$1,481.86	1.75%
1,008,000	60%	3,500.0	$39,991.58	$41,743.26	$1,751.69	4.38%	$39,696.36	$39,790.06	$93.70	0.24%	$79,687.94	$81,533.32	$1,845.39	2.32%
1,008,000	50%	3,500.0	$39,991.58	$41,743.26	$1,751.69	4.38%	$37,746.55	$37,840.24	$93.69	0.25%	$77,738.13	$79,583.50	$1,845.38	2.37%
1,008,000	40%	3,500.0	$39,991.58	$41,743.26	$1,751.69	4.38%	$35,796.73	$35,890.42	$93.69	0.26%	$75,788.31	$77,633.68	$1,845.38	2.43%
1,512,000	60%	3,500.0	$43,179.55	$44,931.66	$1,752.11	4.06%	$59,544.55	$59,685.09	$140.54	0.24%	$102,724.10	$104,616.75	$1,892.65	1.84%
1,512,000	50%	3,500.0	$43,179.55	$44,931.66	$1,752.11	4.06%	$56,619.82	$56,760.36	$140.54	0.25%	$99,799.37	$101,692.02	$1,892.65	1.90%
1,512,000	40%	3,500.0	$43,179.55	$44,931.66	$1,752.11	4.06%	$53,695.09	$53,835.64	$140.55	0.26%	$96,874.64	$98,767.30	$1,892.66	1.95%
2,016,000	60%	3,500.0	$46,367.52	$48,120.05	$1,752.54	3.78%	$79,392.73	$79,580.12	$187.39	0.24%	$125,760.25	$127,700.17	$1,939.93	1.54%
2,016,000	50%	3,500.0	$46,367.52	$48,120.05	$1,752.54	3.78%	$75,493.09	$75,680.48	$187.39	0.25%	$121,860.61	$123,800.53	$1,939.93	1.59%
2,016,000	40%	3,500.0	$46,367.52	$48,120.05	$1,752.54	3.78%	$71,593.45	$71,780.85	$187.40	0.26%	$117,960.97	$119,900.90	$1,939.94	1.64%
1,152,000	60%	4,000.0	$45,560.36	$47,514.19	$1,953.83	4.29%	$45,367.27	$45,474.35	$107.08	0.24%	$90,927.63	$92,988.54	$2,060.91	2.27%
1,152,000	50%	4,000.0	$45,560.36	$47,514.19	$1,953.83	4.29%	$43,138.91	$43,245.99	$107.08	0.25%	$88,699.27	$90,760.18	$2,060.91	2.32%
1,152,000	40%	4,000.0	$45,560.36	$47,514.19	$1,953.83	4.29%	$40,910.55	$41,017.63	$107.08	0.26%	$86,470.91	$88,531.82	$2,060.91	2.38%
1,728,000	60%	4,000.0	$49,203.75	$51,158.07	$1,954.31	3.97%	$68,050.91	$68,211.53	$160.62	0.24%	$117,254.66	$119,369.60	$2,114.93	1.80%
1,728,000	50%	4,000.0	$49,203.75	$51,158.07	$1,954.31	3.97%	$64,708.36	$64,868.99	$160.63	0.25%	$113,912.11	$116,027.06	$2,114.94	1.86%
1,728,000	40%	4,000.0	$49,203.75	$51,158.07	$1,954.31	3.97%	$61,365.82	$61,526.44	$160.62	0.26%	$110,569.57	$112,684.51	$2,114.93	1.91%
2,304,000	60%	4,000.0	$52,847.15	$54,801.94	$1,954.80	3.70%	$90,734.55	$90,948.71	$214.16	0.24%	$143,581.70	$145,750.65	$2,168.96	1.51%
2,304,000	50%	4,000.0	$52,847.15	$54,801.94	$1,954.80	3.70%	$86,277.82	$86,491.98	$214.16	0.25%	$139,124.97	$141,293.92	$2,168.96	1.56%
2,304,000	40%	4,000.0	$52,847.15	$54,801.94	$1,954.80	3.70%	$81,821.09	$82,035.25	$214.16	0.26%	$134,668.24	$136,837.19	$2,168.96	1.61%
3,888,000	60%	13,500.0	$151,367.22	$157,161.73	$5,794.52	3.83%	$153,114.55	$153,475.95	$361.40	0.24%	$304,481.77	$310,637.68	$6,155.92	2.02%
3,888,000	50%	13,500.0	$151,367.22	$157,161.73	$5,794.52	3.83%	$145,593.82	$145,955.22	$361.40	0.25%	$296,961.04	$303,116.95	$6,155.92	2.07%
3,888,000	40%	13,500.0	$151,367.22	$157,161.73	$5,794.52	3.83%	$138,073.09	$138,434.49	$361.40	0.26%	$289,440.31	$295,596.22	$6,155.92	2.13%
5,832,000	60%	13,500.0	$163,663.67	$169,459.83	$5,796.15	3.54%	$229,671.82	$230,213.92	$542.10	0.24%	$393,335.49	$399,673.75	$6,338.25	1.61%
5,832,000	50%	13,500.0	$163,663.67	$169,459.83	$5,796.15	3.54%	$218,390.73	$218,932.83	$542.10	0.25%	$382,054.40	$388,392.66	$6,338.25	1.66%
5,832,000	40%	13,500.0	$163,663.67	$169,459.83	$5,796.15	3.54%	$207,109.64	$207,651.74	$542.10	0.26%	$370,773.31	$377,111.57	$6,338.25	1.71%
7,776,000	60%	13,500.0	$175,960.13	$181,757.92	$5,797.79	3.29%	$306,229.09	$306,951.89	$722.80	0.24%	$482,189.22	$488,709.81	$6,520.59	1.35%
7,776,000	50%	13,500.0	$175,960.13	$181,757.92	$5,797.79	3.29%	$291,187.64	$291,910.44	$722.80	0.25%	$467,147.77	$473,668.36	$6,520.59	1.40%
7,776,000	40%	13,500.0	$175,960.13	$181,757.92	$5,797.79	3.29%	$276,146.18	$276,868.98	$722.80	0.26%	$452,106.31	$458,626.90	$6,520.59	1.44%

Current

Customer Charge		$1,000.00
T&D Demand Charge	kW x	$9.18
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04284
Commodity Energy Charge Off Peak	kWh x	$0.02369
Transmission Revenue Adjustment Charge	kWh x	($0.00241)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04284
Commodity Energy Charge Off Peak	kWh x	$0.02369
Transmission Revenue Adjustment Charge	kWh x	($0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery G
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$28,854.01	$30,201.42	$1,347.40	4.67%	$27,720.36	$27,787.29	$66.93	0.24%	$56,574.37	$57,988.71	$1,414.33	2.50%
720,000	50%	2,500.0	$28,854.01	$30,201.42	$1,347.40	4.67%	$26,372.73	$26,439.65	$66.92	0.25%	$55,226.74	$56,641.07	$1,414.32	2.56%
720,000	40%	2,500.0	$28,854.01	$30,201.42	$1,347.40	4.67%	$25,025.09	$25,092.02	$66.93	0.27%	$53,879.10	$55,293.44	$1,414.33	2.63%
1,250,000	60%	2,500.0	$32,206.44	$33,554.29	$1,347.85	4.19%	$48,125.63	$48,241.82	$116.19	0.24%	$80,332.07	$81,796.11	$1,464.04	1.82%
1,250,000	50%	2,500.0	$32,206.44	$33,554.29	$1,347.85	4.19%	$45,785.98	$45,902.18	$116.20	0.25%	$77,992.42	$79,456.47	$1,464.05	1.88%
1,250,000	40%	2,500.0	$32,206.44	$33,554.29	$1,347.85	4.19%	$43,446.34	$43,562.53	$116.19	0.27%	$75,652.78	$77,116.82	$1,464.04	1.94%
1,440,000	60%	2,500.0	$33,408.25	$34,756.26	$1,348.01	4.03%	$55,440.73	$55,574.58	$133.85	0.24%	$88,848.98	$90,330.84	$1,481.86	1.67%
1,440,000	50%	2,500.0	$33,408.25	$34,756.26	$1,348.01	4.03%	$52,745.45	$52,879.31	$133.86	0.25%	$86,153.70	$87,635.57	$1,481.87	1.72%
1,440,000	40%	2,500.0	$33,408.25	$34,756.26	$1,348.01	4.03%	$50,050.18	$50,184.03	$133.85	0.27%	$83,458.43	$84,940.29	$1,481.86	1.78%
1,008,000	60%	3,500.0	$39,991.58	$41,743.26	$1,751.69	4.38%	$38,808.51	$38,902.21	$93.70	0.24%	$78,800.09	$80,645.47	$1,845.39	2.34%
1,008,000	50%	3,500.0	$39,991.58	$41,743.26	$1,751.69	4.38%	$36,921.82	$37,015.51	$93.69	0.25%	$76,913.40	$78,758.77	$1,845.38	2.40%
1,008,000	40%	3,500.0	$39,991.58	$41,743.26	$1,751.69	4.38%	$35,035.13	$35,128.82	$93.69	0.27%	$75,026.71	$76,872.08	$1,845.38	2.46%
1,512,000	60%	3,500.0	$43,179.55	$44,931.66	$1,752.11	4.06%	$58,212.76	$58,353.31	$140.55	0.24%	$101,392.31	$103,284.97	$1,892.66	1.87%
1,512,000	50%	3,500.0	$43,179.55	$44,931.66	$1,752.11	4.06%	$55,382.73	$55,523.27	$140.54	0.25%	$98,562.28	$100,454.93	$1,892.65	1.92%
1,512,000	40%	3,500.0	$43,179.55	$44,931.66	$1,752.11	4.06%	$52,552.69	$52,693.24	$140.55	0.27%	$95,732.24	$97,624.90	$1,892.66	1.98%
2,016,000	60%	3,500.0	$46,367.52	$48,120.05	$1,752.54	3.78%	$77,617.02	$77,804.41	$187.39	0.24%	$123,984.54	$125,924.46	$1,939.93	1.56%
2,016,000	50%	3,500.0	$46,367.52	$48,120.05	$1,752.54	3.78%	$73,843.64	$74,031.03	$187.39	0.25%	$120,211.16	$122,151.08	$1,939.93	1.61%
2,016,000	40%	3,500.0	$46,367.52	$48,120.05	$1,752.54	3.78%	$70,070.25	$70,257.65	$187.40	0.27%	$116,437.77	$118,377.70	$1,939.94	1.67%
1,152,000	60%	4,000.0	$45,560.36	$47,514.19	$1,953.83	4.29%	$44,352.58	$44,459.66	$107.08	0.24%	$89,912.94	$91,973.85	$2,060.91	2.29%
1,152,000	50%	4,000.0	$45,560.36	$47,514.19	$1,953.83	4.29%	$42,196.36	$42,303.45	$107.09	0.25%	$87,756.72	$89,817.64	$2,060.92	2.35%
1,152,000	40%	4,000.0	$45,560.36	$47,514.19	$1,953.83	4.29%	$40,040.15	$40,147.23	$107.08	0.27%	$85,600.51	$87,661.42	$2,060.91	2.41%
1,728,000	60%	4,000.0	$49,203.75	$51,158.07	$1,954.31	3.97%	$66,528.87	$66,689.49	$160.62	0.24%	$115,732.62	$117,847.56	$2,114.93	1.83%
1,728,000	50%	4,000.0	$49,203.75	$51,158.07	$1,954.31	3.97%	$63,294.55	$63,455.17	$160.62	0.25%	$112,498.30	$114,613.24	$2,114.93	1.88%
1,728,000	40%	4,000.0	$49,203.75	$51,158.07	$1,954.31	3.97%	$60,060.22	$60,220.84	$160.62	0.27%	$109,263.97	$111,378.91	$2,114.93	1.94%
2,304,000	60%	4,000.0	$52,847.15	$54,801.94	$1,954.80	3.70%	$88,705.16	$88,919.33	$214.17	0.24%	$141,552.31	$143,721.27	$2,168.97	1.53%
2,304,000	50%	4,000.0	$52,847.15	$54,801.94	$1,954.80	3.70%	$84,392.73	$84,606.89	$214.16	0.25%	$137,239.88	$139,408.83	$2,168.96	1.58%
2,304,000	40%	4,000.0	$52,847.15	$54,801.94	$1,954.80	3.70%	$80,080.29	$80,294.45	$214.16	0.27%	$132,927.44	$135,096.39	$2,168.96	1.63%
3,888,000	60%	13,500.0	$151,367.22	$157,161.73	$5,794.52	3.83%	$149,689.96	$150,051.36	$361.40	0.24%	$301,057.18	$307,213.09	$6,155.92	2.04%
3,888,000	50%	13,500.0	$151,367.22	$157,161.73	$5,794.52	3.83%	$142,412.73	$142,774.13	$361.40	0.25%	$293,779.95	$299,935.86	$6,155.92	2.10%
3,888,000	40%	13,500.0	$151,367.22	$157,161.73	$5,794.52	3.83%	$135,135.49	$135,496.89	$361.40	0.27%	$286,502.71	$292,658.62	$6,155.92	2.15%
5,832,000	60%	13,500.0	$163,663.67	$169,459.83	$5,796.15	3.54%	$224,534.95	$225,077.05	$542.10	0.24%	$388,198.62	$394,536.88	$6,338.25	1.63%
5,832,000	50%	13,500.0	$163,663.67	$169,459.83	$5,796.15	3.54%	$213,619.09	$214,161.19	$542.10	0.25%	$377,282.76	$383,621.02	$6,338.25	1.68%
5,832,000	40%	13,500.0	$163,663.67	$169,459.83	$5,796.15	3.54%	$202,703.24	$203,245.34	$542.10	0.27%	$366,366.91	$372,705.17	$6,338.25	1.73%
7,776,000	60%	13,500.0	$175,960.13	$181,757.92	$5,797.79	3.29%	$299,379.93	$300,102.73	$722.80	0.24%	$475,340.06	$481,860.65	$6,520.59	1.37%
7,776,000	50%	13,500.0	$175,960.13	$181,757.92	$5,797.79	3.29%	$284,825.45	$285,548.25	$722.80	0.25%	$460,785.58	$467,306.17	$6,520.59	1.42%
7,776,000	40%	13,500.0	$175,960.13	$181,757.92	$5,797.79	3.29%	$270,270.98	$270,993.78	$722.80	0.27%	$446,231.11	$452,751.70	$6,520.59	1.46%

Current

Customer Charge		$1,000.00
T&D Demand Charge	kW x	$9.18
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04172
Commodity Energy Charge Off Peak	kWh x	$0.02319
Transmission Revenue Adjustment Charge	kWh x	($0.00241)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04172
Commodity Energy Charge Off Peak	kWh x	$0.02319
Transmission Revenue Adjustment Charge	kWh x	($0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,206.13	$15,171.38	($34.75)	-0.23%	$27,263.64	$27,330.56	$66.92	0.25%	$42,469.77	$42,501.94	$32.17	0.08%
720,000	50%	2,500.0	$15,206.13	$15,171.38	($34.75)	-0.23%	$25,954.55	$26,021.47	$66.92	0.26%	$41,160.68	$41,192.85	$32.17	0.08%
720,000	40%	2,500.0	$15,206.13	$15,171.38	($34.75)	-0.23%	$24,645.45	$24,712.38	$66.93	0.27%	$39,851.58	$39,883.76	$32.18	0.08%
1,080,000	60%	2,500.0	$17,553.25	$17,466.99	($86.27)	-0.49%	$40,895.45	$40,995.84	$100.39	0.25%	$58,448.70	$58,462.83	$14.12	0.02%
1,080,000	50%	2,500.0	$17,553.25	$17,466.99	($86.27)	-0.49%	$38,931.82	$39,032.21	$100.39	0.26%	$56,485.07	$56,499.20	$14.12	0.03%
1,080,000	40%	2,500.0	$17,553.25	$17,466.99	($86.27)	-0.49%	$36,968.18	$37,068.57	$100.39	0.27%	$54,521.43	$54,535.56	$14.12	0.03%
1,440,000	60%	2,500.0	$19,900.38	$19,762.59	($137.78)	-0.69%	$54,527.27	$54,661.12	$133.85	0.25%	$74,427.65	$74,423.71	($3.93)	-0.01%
1,440,000	50%	2,500.0	$19,900.38	$19,762.59	($137.78)	-0.69%	$51,909.09	$52,042.94	$133.85	0.26%	$71,809.47	$71,805.53	($3.93)	-0.01%
1,440,000	40%	2,500.0	$19,900.38	$19,762.59	($137.78)	-0.69%	$49,290.91	$49,424.76	$133.85	0.27%	$69,191.29	$69,187.35	($3.93)	-0.01%
1,008,000	60%	3,500.0	$20,722.93	$20,535.29	($187.64)	-0.91%	$38,169.09	$38,262.79	$93.70	0.25%	$58,892.02	$58,798.08	($93.94)	-0.16%
1,008,000	50%	3,500.0	$20,722.93	$20,535.29	($187.64)	-0.91%	$36,336.36	$36,430.06	$93.70	0.26%	$57,059.29	$56,965.35	($93.94)	-0.16%
1,008,000	40%	3,500.0	$20,722.93	$20,535.29	($187.64)	-0.91%	$34,503.64	$34,597.33	$93.69	0.27%	$55,226.57	$55,132.62	($93.95)	-0.17%
1,512,000	60%	3,500.0	$24,008.90	$23,749.13	($259.77)	-1.08%	$57,253.64	$57,394.18	$140.54	0.25%	$81,262.54	$81,143.31	($119.23)	-0.15%
1,512,000	50%	3,500.0	$24,008.90	$23,749.13	($259.77)	-1.08%	$54,504.55	$54,645.09	$140.54	0.26%	$78,513.45	$78,394.22	($119.23)	-0.15%
1,512,000	40%	3,500.0	$24,008.90	$23,749.13	($259.77)	-1.08%	$51,755.45	$51,896.00	$140.55	0.27%	$75,764.35	$75,645.13	($119.22)	-0.16%
2,016,000	60%	3,500.0	$27,294.87	$26,962.98	($331.89)	-1.22%	$76,338.18	$76,525.57	$187.39	0.25%	$103,633.05	$103,488.55	($144.50)	-0.14%
2,016,000	50%	3,500.0	$27,294.87	$26,962.98	($331.89)	-1.22%	$72,672.73	$72,860.12	$187.39	0.26%	$99,967.60	$99,823.10	($144.50)	-0.14%
2,016,000	40%	3,500.0	$27,294.87	$26,962.98	($331.89)	-1.22%	$69,007.27	$69,194.67	$187.40	0.27%	$96,302.14	$96,157.65	($144.49)	-0.15%
1,152,000	60%	4,000.0	$23,481.33	$23,217.24	($264.09)	-1.12%	$43,621.82	$43,728.90	$107.08	0.25%	$67,103.15	$66,946.14	($157.01)	-0.23%
1,152,000	50%	4,000.0	$23,481.33	$23,217.24	($264.09)	-1.12%	$41,527.27	$41,634.35	$107.08	0.26%	$65,008.60	$64,851.59	($157.01)	-0.24%
1,152,000	40%	4,000.0	$23,481.33	$23,217.24	($264.09)	-1.12%	$39,432.73	$39,539.81	$107.08	0.27%	$62,914.06	$62,757.05	($157.01)	-0.25%
2,000,000	60%	4,000.0	$29,010.10	$28,624.67	($385.44)	-1.33%	$75,732.32	$75,918.23	$185.91	0.25%	$104,742.42	$104,542.90	($199.53)	-0.19%
2,000,000	50%	4,000.0	$29,010.10	$28,624.67	($385.44)	-1.33%	$72,095.96	$72,281.86	$185.90	0.26%	$101,106.06	$100,906.53	($199.54)	-0.20%
2,000,000	40%	4,000.0	$29,010.10	$28,624.67	($385.44)	-1.33%	$68,459.60	$68,645.50	$185.90	0.27%	$97,469.70	$97,270.17	($199.54)	-0.20%
2,304,000	60%	4,000.0	$30,992.12	$30,563.18	($428.94)	-1.38%	$87,243.64	$87,457.80	$214.16	0.25%	$118,235.76	$118,020.98	($214.78)	-0.18%
2,304,000	50%	4,000.0	$30,992.12	$30,563.18	($428.94)	-1.38%	$83,054.55	$83,268.71	$214.16	0.26%	$114,046.67	$113,831.89	($214.78)	-0.19%
2,304,000	40%	4,000.0	$30,992.12	$30,563.18	($428.94)	-1.38%	$78,865.45	$79,079.62	$214.17	0.27%	$109,857.57	$109,642.80	($214.77)	-0.20%
3,888,000	60%	13,500.0	$75,890.89	$74,174.34	($1,716.56)	-2.26%	$147,223.64	$147,585.04	$361.40	0.25%	$223,114.53	$221,759.38	($1,355.16)	-0.61%
3,888,000	50%	13,500.0	$75,890.89	$74,174.34	($1,716.56)	-2.26%	$140,154.55	$140,515.95	$361.40	0.26%	$216,045.44	$214,690.29	($1,355.16)	-0.63%
3,888,000	40%	13,500.0	$75,890.89	$74,174.34	($1,716.56)	-2.26%	$133,085.45	$133,446.85	$361.40	0.27%	$208,976.34	$207,621.19	($1,355.16)	-0.65%
5,832,000	60%	13,500.0	$88,565.35	$86,570.61	($1,994.74)	-2.25%	$220,835.45	$221,377.55	$542.10	0.25%	$309,400.80	$307,948.16	($1,452.64)	-0.47%
5,832,000	50%	13,500.0	$88,565.35	$86,570.61	($1,994.74)	-2.25%	$210,231.82	$210,773.92	$542.10	0.26%	$298,797.17	$297,344.53	($1,452.64)	-0.49%
5,832,000	40%	13,500.0	$88,565.35	$86,570.61	($1,994.74)	-2.25%	$199,628.18	$200,170.28	$542.10	0.27%	$288,193.53	$286,740.89	($1,452.64)	-0.50%
7,776,000	60%	13,500.0	$101,239.81	$98,966.89	($2,272.92)	-2.25%	$294,447.27	$295,170.07	$722.80	0.25%	$395,687.08	$394,136.96	($1,550.12)	-0.39%
7,776,000	50%	13,500.0	$101,239.81	$98,966.89	($2,272.92)	-2.25%	$280,309.09	$281,031.89	$722.80	0.26%	$381,548.90	$379,998.78	($1,550.12)	-0.41%
7,776,000	40%	13,500.0	$101,239.81	$98,966.89	($2,272.92)	-2.25%	$266,170.91	$266,893.71	$722.80	0.27%	$367,410.72	$365,860.60	($1,550.12)	-0.42%

Current

Customer Charge		$1,400.00
T&D Demand Charge	kW x	$3.56
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04088
Commodity Energy Charge Off Peak	kWh x	$0.02288
Transmission Revenue Adjustment Charge	kWh x	($0.00222)
Systems Benefits Charge (CES/EES)	kWh x	$0.007511
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,744.00
T&D Demand Charge	kW x	$3.45
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04088
Commodity Energy Charge Off Peak	kWh x	$0.02288
Transmission Revenue Adjustment Charge	kWh x	($0.00055)
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$13,700.68	$15,785.64	$2,084.96	15.22%	$26,450.55	$26,517.47	$66.92	0.25%	$40,151.23	$42,303.11	$2,151.88	5.36%
720,000	50%	2,500.0	$13,700.68	$15,785.64	$2,084.96	15.22%	$25,209.09	$25,276.02	$66.93	0.27%	$38,909.77	$41,061.66	$2,151.89	5.53%
720,000	40%	2,500.0	$13,700.68	$15,785.64	$2,084.96	15.22%	$23,967.64	$24,034.56	$66.92	0.28%	$37,668.32	$39,820.20	$2,151.88	5.71%
1,080,000	60%	2,500.0	$15,143.56	$17,852.15	$2,708.60	17.89%	$39,675.82	$39,776.21	$100.39	0.25%	$54,819.38	$57,628.36	$2,808.99	5.12%
1,080,000	50%	2,500.0	$15,143.56	$17,852.15	$2,708.60	17.89%	$37,813.64	$37,914.03	$100.39	0.27%	$52,957.20	$55,766.18	$2,808.99	5.30%
1,080,000	40%	2,500.0	$15,143.56	$17,852.15	$2,708.60	17.89%	$35,951.45	$36,051.84	$100.39	0.28%	$51,095.01	$53,903.99	$2,808.99	5.50%
1,440,000	60%	2,500.0	$16,586.44	$19,918.67	$3,332.23	20.09%	$52,901.09	$53,034.94	$133.85	0.25%	$69,487.53	$72,953.61	$3,466.08	4.99%
1,440,000	50%	2,500.0	$16,586.44	$19,918.67	$3,332.23	20.09%	$50,418.18	$50,552.03	$133.85	0.27%	$67,004.62	$70,470.70	$3,466.08	5.17%
1,440,000	40%	2,500.0	$16,586.44	$19,918.67	$3,332.23	20.09%	$47,935.27	$48,069.12	$133.85	0.28%	$64,521.71	$67,987.79	$3,466.08	5.37%
1,008,000	60%	3,500.0	$17,766.81	$20,480.90	$2,714.09	15.28%	$37,030.76	$37,124.46	$93.70	0.25%	$54,797.57	$57,605.36	$2,807.79	5.12%
1,008,000	50%	3,500.0	$17,766.81	$20,480.90	$2,714.09	15.28%	$35,292.73	$35,386.42	$93.69	0.27%	$53,059.54	$55,867.32	$2,807.78	5.29%
1,008,000	40%	3,500.0	$17,766.81	$20,480.90	$2,714.09	15.28%	$33,554.69	$33,648.39	$93.70	0.28%	$51,321.50	$54,129.29	$2,807.79	5.47%
1,512,000	60%	3,500.0	$19,786.84	$23,374.02	$3,587.19	18.13%	$55,546.15	$55,686.69	$140.54	0.25%	$75,332.99	$79,060.71	$3,727.73	4.95%
1,512,000	50%	3,500.0	$19,786.84	$23,374.02	$3,587.19	18.13%	$52,939.09	$53,079.64	$140.55	0.27%	$72,725.93	$76,453.66	$3,727.74	5.13%
1,512,000	40%	3,500.0	$19,786.84	$23,374.02	$3,587.19	18.13%	$50,332.04	$50,472.58	$140.54	0.28%	$70,118.88	$73,846.60	$3,727.73	5.32%
2,016,000	60%	3,500.0	$21,806.87	$26,267.15	$4,460.28	20.45%	$74,061.53	$74,248.92	$187.39	0.25%	$95,868.40	$100,516.07	$4,647.67	4.85%
2,016,000	50%	3,500.0	$21,806.87	$26,267.15	$4,460.28	20.45%	$70,585.45	$70,772.85	$187.40	0.27%	$92,392.32	$97,040.00	$4,647.68	5.03%
2,016,000	40%	3,500.0	$21,806.87	$26,267.15	$4,460.28	20.45%	$67,109.38	$67,296.77	$187.39	0.28%	$88,916.25	$93,563.92	$4,647.67	5.23%
1,152,000	60%	4,000.0	$19,799.87	$22,828.54	$3,028.66	15.30%	$42,320.87	$42,427.95	$107.08	0.25%	$62,120.74	$65,256.49	$3,135.74	5.05%
1,152,000	50%	4,000.0	$19,799.87	$22,828.54	$3,028.66	15.30%	$40,334.55	$40,441.63	$107.08	0.27%	$60,134.42	$63,270.17	$3,135.74	5.21%
1,152,000	40%	4,000.0	$19,799.87	$22,828.54	$3,028.66	15.30%	$38,348.22	$38,455.30	$107.08	0.28%	$58,148.09	$61,283.84	$3,135.74	5.39%
1,728,000	60%	4,000.0	$22,108.48	$26,134.96	$4,026.48	18.21%	$63,481.31	$63,641.93	$160.62	0.25%	$85,589.79	$89,776.89	$4,187.10	4.89%
1,728,000	50%	4,000.0	$22,108.48	$26,134.96	$4,026.48	18.21%	$60,501.82	$60,662.44	$160.62	0.27%	$82,610.30	$86,797.40	$4,187.10	5.07%
1,728,000	40%	4,000.0	$22,108.48	$26,134.96	$4,026.48	18.21%	$57,522.33	$57,682.95	$160.62	0.28%	$79,630.81	$83,817.91	$4,187.10	5.26%
2,304,000	60%	4,000.0	$24,417.09	$29,441.39	$5,024.30	20.58%	$84,641.75	$84,855.91	$214.16	0.25%	$109,058.84	$114,297.30	$5,238.46	4.80%
2,304,000	50%	4,000.0	$24,417.09	$29,441.39	$5,024.30	20.58%	$80,669.09	$80,883.25	$214.16	0.27%	$105,086.18	$110,324.64	$5,238.46	4.98%
2,304,000	40%	4,000.0	$24,417.09	$29,441.39	$5,024.30	20.58%	$76,696.44	$76,910.60	$214.16	0.28%	$101,113.53	$106,351.99	$5,238.46	5.18%
3,888,000	60%	11,500.0	$52,604.45	$61,349.45	$8,745.00	16.62%	$142,832.95	$143,194.35	$361.40	0.25%	$195,437.40	$204,543.80	$9,106.40	4.66%
3,888,000	50%	11,500.0	$52,604.45	$61,349.45	$8,745.00	16.62%	$136,129.09	$136,490.49	$361.40	0.27%	$188,733.54	$197,839.94	$9,106.40	4.83%
3,888,000	40%	11,500.0	$52,604.45	$61,349.45	$8,745.00	16.62%	$129,425.24	$129,786.64	$361.40	0.28%	$182,029.69	$191,136.09	$9,106.40	5.00%
6,300,000	60%	12,000.0	$63,727.66	$76,716.13	$12,988.47	20.38%	$231,442.27	$232,027.87	$585.60	0.25%	$295,169.93	$308,744.00	$13,574.07	4.60%
6,300,000	50%	12,000.0	$63,727.66	$76,716.13	$12,988.47	20.38%	$220,579.55	$221,165.15	$585.60	0.27%	$284,307.21	$297,881.28	$13,574.07	4.77%
6,300,000	40%	12,000.0	$63,727.66	$76,716.13	$12,988.47	20.38%	$209,716.82	$210,302.42	$585.60	0.28%	$273,444.48	$287,018.55	$13,574.07	4.96%
7,776,000	60%	13,500.0	$74,011.20	$89,751.92	$15,740.72	21.27%	$285,665.89	$286,388.69	$722.80	0.25%	$359,677.09	$376,140.61	$16,463.52	4.58%
7,776,000	50%	13,500.0	$74,011.20	$89,751.92	$15,740.72	21.27%	$272,258.18	$272,980.98	$722.80	0.27%	$346,269.38	$362,732.90	$16,463.52	4.75%
7,776,000	40%	13,500.0	$74,011.20	$89,751.92	$15,740.72	21.27%	$258,850.47	$259,573.27	$722.80	0.28%	$332,861.67	$349,325.19	$16,463.52	4.95%

Current

Customer Charge		$3,500.00
T&D Demand Charge	kW x	$2.84
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.03939
Commodity Energy Charge Off Peak	kWh x	$0.02232
Transmission Revenue Adjustment Charge	kWh x	($0.00471)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		$4,007.00
T&D Demand Charge	kW x	$2.97
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.03939
Commodity Energy Charge Off Peak	kWh x	$0.02232
Transmission Revenue Adjustment Charge	kWh x	($0.00118)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$23.45	$23.96	$0.51	2.17%	$4.27	$4.27	$0.00	0.00%	$27.72	$28.23	$0.51	1.84%
200	$29.38	$30.39	$1.01	3.44%	$8.53	$8.53	$0.00	0.00%	$37.91	$38.92	$1.01	2.66%
300	$35.30	$36.82	$1.52	4.31%	$12.80	$12.80	$0.00	0.00%	$48.10	$49.62	$1.52	3.16%
400	$41.23	$43.25	$2.02	4.90%	$17.06	$17.06	$0.00	0.00%	$58.29	$60.31	$2.02	3.47%
500	$47.16	$49.68	$2.52	5.34%	$21.33	$21.33	$0.00	0.00%	$68.49	$71.01	$2.52	3.68%
600	$53.08	$56.11	$3.03	5.71%	$25.59	$25.59	$0.00	0.00%	$78.67	$81.70	$3.03	3.85%
700	$59.01	$62.54	$3.53	5.98%	$29.86	$29.86	$0.00	0.00%	$88.87	$92.40	$3.53	3.97%
800	$64.94	$68.97	$4.03	6.21%	$34.12	$34.12	$0.00	0.00%	$99.06	$103.09	$4.03	4.07%
900	$70.86	$75.40	$4.54	6.41%	$38.39	$38.39	$0.00	0.00%	$109.25	$113.79	$4.54	4.16%
1,000	$76.79	$81.83	$5.04	6.56%	$42.65	$42.65	$0.00	0.00%	$119.44	$124.48	$5.04	4.22%
1,100	$82.71	$88.26	$5.55	6.71%	$46.92	$46.92	$0.00	0.00%	$129.63	$135.18	$5.55	4.28%
1,200	$88.64	$94.69	$6.05	6.83%	$51.18	$51.18	$0.00	0.00%	$139.82	$145.87	$6.05	4.33%
1,300	$94.57	$101.12	$6.55	6.93%	$55.45	$55.45	$0.00	0.00%	$150.02	$156.57	$6.55	4.37%
1,400	$100.49	$107.55	$7.06	7.03%	$59.71	$59.71	$0.00	0.00%	$160.20	$167.26	$7.06	4.41%
1,500	$106.42	$113.98	$7.56	7.10%	$63.98	$63.98	$0.00	0.00%	$170.40	$177.96	$7.56	4.44%
1,600	$112.35	$120.41	$8.06	7.17%	$68.24	$68.24	$0.00	0.00%	$180.59	$188.65	$8.06	4.46%
1,700	$118.27	$126.84	$8.57	7.25%	$72.51	$72.51	$0.00	0.00%	$190.78	$199.35	$8.57	4.49%
1,800	$124.20	$133.27	$9.07	7.30%	$76.77	$76.77	$0.00	0.00%	$200.97	$210.04	$9.07	4.51%
1,900	$130.13	$139.70	$9.57	7.35%	$81.04	$81.04	$0.00	0.00%	$211.17	$220.74	$9.57	4.53%
2,000	$136.05	$146.13	$10.08	7.41%	$85.30	$85.30	$0.00	0.00%	$221.35	$231.43	$10.08	4.55%
2,200	$147.90	$158.99	$11.09	7.50%	$93.83	$93.83	$0.00	0.00%	$241.73	$252.82	$11.09	4.59%
2,400	$159.76	$171.86	$12.10	7.57%	$102.36	$102.36	$0.00	0.00%	$262.12	$274.22	$12.10	4.62%
2,600	$171.61	$184.72	$13.11	7.64%	$110.89	$110.89	$0.00	0.00%	$282.50	$295.61	$13.11	4.64%
2,800	$183.46	$197.58	$14.12	7.70%	$119.42	$119.42	$0.00	0.00%	$302.88	$317.00	$14.12	4.66%
3,000	$195.31	$210.44	$15.13	7.75%	$127.95	$127.95	$0.00	0.00%	$323.26	$338.39	$15.13	4.68%
3,200	$207.17	$223.30	$16.13	7.79%	$136.48	$136.48	$0.00	0.00%	$343.65	$359.78	$16.13	4.69%
3,400	$219.02	$236.16	$17.14	7.83%	$145.01	$145.01	$0.00	0.00%	$364.03	$381.17	$17.14	4.71%
3,600	$230.87	$249.02	$18.15	7.86%	$153.54	$153.54	$0.00	0.00%	$384.41	$402.56	$18.15	4.72%
3,800	$242.72	$261.88	$19.16	7.89%	$162.07	$162.07	$0.00	0.00%	$404.79	$423.95	$19.16	4.73%
4,000	$254.58	$274.74	$20.16	7.92%	$170.60	$170.60	$0.00	0.00%	$425.18	$445.34	$20.16	4.74%

Current

Customer Charge		$17.00
T&D Energy Charge	kWh x	$0.05044
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001189
Electricity Supply Rate Mechanism	kWh x	$0.001460
Commodity Energy Charge	kWh x	$0.03517
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00197
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		$17.00
T&D Energy Charge	kWh x	$0.05533
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001189
Electricity Supply Rate Mechanism	kWh x	$0.001460
Commodity Energy Charge	kWh x	$0.03517
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00197
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

TYPICAL BILL IMPACTS
SC-1C RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

On-Peak		Delivery				Commodity				Total			
kWh Usage	Percentage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
500	7%	$50.24	$51.09	$0.85	1.69%	$20.79	$20.79	$0.00	0.00%	$71.03	$71.88	$0.85	1.20%
600	7%	$54.10	$55.12	$1.02	1.89%	$24.95	$24.95	$0.00	0.00%	$79.05	$80.07	$1.02	1.29%
700	7%	$57.96	$59.16	$1.20	2.07%	$29.11	$29.11	$0.00	0.00%	$87.07	$88.27	$1.20	1.38%
800	7%	$61.83	$63.19	$1.36	2.20%	$33.27	$33.27	$0.00	0.00%	$95.10	$96.46	$1.36	1.43%
900	7%	$65.69	$67.22	$1.53	2.33%	$37.43	$37.43	$0.00	0.00%	$103.12	$104.65	$1.53	1.48%
1,000	7%	$69.55	$71.25	$1.70	2.44%	$41.59	$41.59	$0.00	0.00%	$111.14	$112.84	$1.70	1.53%
1,100	7%	$73.41	$75.28	$1.87	2.55%	$45.75	$45.75	$0.00	0.00%	$119.16	$121.03	$1.87	1.57%
1,200	7%	$77.28	$79.32	$2.04	2.64%	$49.91	$49.91	$0.00	0.00%	$127.19	$129.23	$2.04	1.60%
1,300	7%	$81.14	$83.35	$2.21	2.72%	$54.06	$54.06	$0.00	0.00%	$135.20	$137.41	$2.21	1.63%
1,400	7%	$85.00	$87.38	$2.38	2.80%	$58.22	$58.22	$0.00	0.00%	$143.22	$145.60	$2.38	1.66%
1,500	7%	$88.86	$91.41	$2.55	2.87%	$62.38	$62.38	$0.00	0.00%	$151.24	$153.79	$2.55	1.69%
1,600	7%	$92.73	$95.45	$2.72	2.93%	$66.54	$66.54	$0.00	0.00%	$159.27	$161.99	$2.72	1.71%
1,700	7%	$96.59	$99.48	$2.89	2.99%	$70.70	$70.70	$0.00	0.00%	$167.29	$170.18	$2.89	1.73%
1,800	7%	$100.45	$103.51	$3.06	3.05%	$74.86	$74.86	$0.00	0.00%	$175.31	$178.37	$3.06	1.75%
1,900	7%	$104.31	$107.54	$3.23	3.10%	$79.02	$79.02	$0.00	0.00%	$183.33	$186.56	$3.23	1.76%
2,000	7%	$108.18	$111.58	$3.40	3.14%	$83.18	$83.18	$0.00	0.00%	$191.36	$194.76	$3.40	1.78%
2,100	7%	$112.04	$115.61	$3.57	3.19%	$87.33	$87.33	$0.00	0.00%	$199.37	$202.94	$3.57	1.79%
2,200	7%	$115.90	$119.64	$3.74	3.23%	$91.49	$91.49	$0.00	0.00%	$207.39	$211.13	$3.74	1.80%
2,300	7%	$119.76	$123.67	$3.91	3.26%	$95.65	$95.65	$0.00	0.00%	$215.41	$219.32	$3.91	1.82%
2,400	7%	$123.62	$127.71	$4.09	3.31%	$99.81	$99.81	$0.00	0.00%	$223.43	$227.52	$4.09	1.83%
2,500	7%	$127.49	$131.74	$4.25	3.33%	$103.97	$103.97	$0.00	0.00%	$231.46	$235.71	$4.25	1.84%
2,600	7%	$131.35	$135.77	$4.42	3.37%	$108.13	$108.13	$0.00	0.00%	$239.48	$243.90	$4.42	1.85%
2,700	7%	$135.21	$139.80	$4.59	3.39%	$112.29	$112.29	$0.00	0.00%	$247.50	$252.09	$4.59	1.85%
2,800	7%	$139.07	$143.84	$4.77	3.43%	$116.45	$116.45	$0.00	0.00%	$255.52	$260.29	$4.77	1.87%
2,900	7%	$142.94	$147.87	$4.93	3.45%	$120.60	$120.60	$0.00	0.00%	$263.54	$268.47	$4.93	1.87%
3,000	7%	$146.80	$151.90	$5.10	3.47%	$124.76	$124.76	$0.00	0.00%	$271.56	$276.66	$5.10	1.88%
3,100	7%	$150.66	$155.93	$5.27	3.50%	$128.92	$128.92	$0.00	0.00%	$279.58	$284.85	$5.27	1.88%
3,200	7%	$154.52	$159.97	$5.45	3.53%	$133.08	$133.08	$0.00	0.00%	$287.60	$293.05	$5.45	1.89%
3,300	7%	$158.39	$164.00	$5.61	3.54%	$137.24	$137.24	$0.00	0.00%	$295.63	$301.24	$5.61	1.90%
3,400	7%	$162.25	$168.03	$5.78	3.56%	$141.40	$141.40	$0.00	0.00%	$303.65	$309.43	$5.78	1.90%
3,500	7%	$166.11	$172.06	$5.95	3.58%	$145.56	$145.56	$0.00	0.00%	$311.67	$317.62	$5.95	1.91%
3,600	7%	$169.97	$176.10	$6.13	3.61%	$149.72	$149.72	$0.00	0.00%	$319.69	$325.82	$6.13	1.92%
3,700	7%	$173.84	$180.13	$6.29	3.62%	$153.87	$153.87	$0.00	0.00%	$327.71	$334.00	$6.29	1.92%
3,900	7%	$181.56	$188.19	$6.63	3.65%	$162.19	$162.19	$0.00	0.00%	$343.75	$350.38	$6.63	1.93%
4,200	7%	$193.15	$200.29	$7.14	3.70%	$174.67	$174.67	$0.00	0.00%	$367.82	$374.96	$7.14	1.94%
4,500	7%	$204.73	$212.39	$7.66	3.74%	$187.14	$187.14	$0.00	0.00%	$391.87	$399.53	$7.66	1.95%

Current

Customer Charge			$30.00
T&D Energy Charge		kWh x	$0.03042
Revenue Decoupling Mechanism		kWh x	$0.00000
Legacy Transition Charge		kWh x	$0.001189
Commodity On Peak	7%	kWh x	$0.05350
Commodity Shoulder Peak	12%	kWh x	$0.04610
Commodity Off Peak	81%	kWh x	$0.03247
Transmission Revenue Adjustment Charg		kWh x	$0.00000
Systems Benefits Charge (SBC/CES)		kWh x	$0.005701
Incremental State Assessment Surcharge		kWh x	$0.000000
Merchant Function Charge		kWh x	$0.00197
DLM Surcharge		kWh x	$0.00016
CES Supply Charge		kWh x	$0.00363
CES Delivery Charge		kWh x	$0.00000
Gross Receipts Tax			
Commodity		Bill /	0.9900
Delivery		Bill /	0.9700

Proposed

Customer Charge		$30.00
T&D Energy Charge	kWh x	$0.03207
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001189
Commodity On Peak	kWh x	$0.05350
Commodity Shoulder Peak	kWh x	$0.04610
Commodity Off Peak	kWh x	$0.03247
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00197
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge,Merchant Function Charge, CES Supply Charge and Commodity GRT

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
150	$30.73	$31.40	$0.67	2.18%	$6.70	$6.70	$0.00	0.00%	$37.43	$38.10	$0.67	1.79%
250	$37.07	$38.18	$1.11	2.99%	$11.17	$11.17	$0.00	0.00%	$48.24	$49.35	$1.11	2.30%
350	$43.40	$44.96	$1.56	3.59%	$15.64	$15.64	$0.00	0.00%	$59.04	$60.60	$1.56	2.64%
450	$49.74	$51.74	$2.00	4.02%	$20.11	$20.11	$0.00	0.00%	$69.85	$71.85	$2.00	2.86%
550	$56.07	$58.52	$2.45	4.37%	$24.58	$24.58	$0.00	0.00%	$80.65	$83.10	$2.45	3.04%
650	$62.41	$65.30	$2.89	4.63%	$29.05	$29.05	$0.00	0.00%	$91.46	$94.35	$2.89	3.16%
750	$68.74	$72.08	$3.34	4.86%	$33.52	$33.52	$0.00	0.00%	$102.26	$105.60	$3.34	3.27%
850	$75.08	$78.86	$3.78	5.03%	$37.99	$37.99	$0.00	0.00%	$113.07	$116.85	$3.78	3.34%
950	$81.41	$85.64	$4.23	5.20%	$42.46	$42.46	$0.00	0.00%	$123.87	$128.10	$4.23	3.41%
1,050	$87.75	$92.41	$4.66	5.31%	$46.93	$46.93	$0.00	0.00%	$134.68	$139.34	$4.66	3.46%
1,150	$94.08	$99.19	$5.11	5.43%	$51.39	$51.39	$0.00	0.00%	$145.47	$150.58	$5.11	3.51%
1,250	$100.42	$105.97	$5.55	5.53%	$55.86	$55.86	$0.00	0.00%	$156.28	$161.83	$5.55	3.55%
1,350	$106.75	$112.75	$6.00	5.62%	$60.33	$60.33	$0.00	0.00%	$167.08	$173.08	$6.00	3.59%
1,450	$113.09	$119.53	$6.44	5.69%	$64.80	$64.80	$0.00	0.00%	$177.89	$184.33	$6.44	3.62%
1,550	$119.42	$126.31	$6.89	5.77%	$69.27	$69.27	$0.00	0.00%	$188.69	$195.58	$6.89	3.65%
1,650	$125.76	$133.09	$7.33	5.83%	$73.74	$73.74	$0.00	0.00%	$199.50	$206.83	$7.33	3.67%
1,750	$132.09	$139.87	$7.78	5.89%	$78.21	$78.21	$0.00	0.00%	$210.30	$218.08	$7.78	3.70%
1,850	$138.43	$146.65	$8.22	5.94%	$82.68	$82.68	$0.00	0.00%	$221.11	$229.33	$8.22	3.72%
1,950	$144.76	$153.43	$8.67	5.99%	$87.15	$87.15	$0.00	0.00%	$231.91	$240.58	$8.67	3.74%
2,050	$151.10	$160.21	$9.11	6.03%	$91.62	$91.62	$0.00	0.00%	$242.72	$251.83	$9.11	3.75%

Current

Customer Charge		$21.02
T&D Energy Charge	kWh x	$0.05567
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001189
Electricity Supply Rate Mechanism	kWh x	$0.001460
Commodity Energy Charge	kWh x	$0.03719
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00197
Incremental State Assessment Surcharge	kWh x	$0.00000
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$21.02
T&D Energy Charge	kWh x	$0.06007
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001189
Electricity Supply Rate Mechanism	kWh x	$0.001460
Commodity Energy Charge	kWh x	$0.03719
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00197
Incremental State Assessment Surcharge	kWh x	$0.00000
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$135.39	$141.40	$6.01	4.44%	$40.64	$40.64	$0.00	0.00%	$176.03	$182.04	$6.01	3.41%
1,512	7.0	$138.90	$144.91	$6.01	4.33%	$60.97	$60.97	$0.00	0.00%	$199.87	$205.88	$6.01	3.01%
2,016	7.0	$142.40	$148.41	$6.01	4.22%	$81.29	$81.29	$0.00	0.00%	$223.69	$229.70	$6.01	2.69%
2,520	7.0	$145.91	$151.92	$6.01	4.12%	$101.61	$101.61	$0.00	0.00%	$247.52	$253.53	$6.01	2.43%
2,160	15.0	$229.49	$242.37	$12.88	5.61%	$87.09	$87.09	$0.00	0.00%	$316.58	$329.46	$12.88	4.07%
3,240	15.0	$237.00	$249.88	$12.88	5.43%	$130.64	$130.64	$0.00	0.00%	$367.64	$380.52	$12.88	3.50%
4,320	15.0	$244.52	$257.40	$12.88	5.27%	$174.19	$174.19	$0.00	0.00%	$418.71	$431.59	$12.88	3.08%
5,400	15.0	$252.04	$264.92	$12.88	5.11%	$217.74	$217.74	$0.00	0.00%	$469.78	$482.66	$12.88	2.74%
3,600	25.0	$347.11	$368.58	$21.47	6.19%	$145.16	$145.16	$0.00	0.00%	$492.27	$513.74	$21.47	4.36%
5,400	25.0	$359.64	$381.10	$21.46	5.97%	$217.74	$217.74	$0.00	0.00%	$577.38	$598.84	$21.46	3.72%
7,000	25.0	$370.77	$392.24	$21.47	5.79%	$282.25	$282.25	$0.00	0.00%	$653.02	$674.49	$21.47	3.29%
9,000	25.0	$384.69	$406.16	$21.47	5.58%	$362.89	$362.89	$0.00	0.00%	$747.58	$769.05	$21.47	2.87%
5,760	40.0	$523.55	$557.89	$34.34	6.56%	$232.25	$232.25	$0.00	0.00%	$755.80	$790.14	$34.34	4.54%
8,640	40.0	$543.59	$577.94	$34.35	6.32%	$348.38	$348.38	$0.00	0.00%	$891.97	$926.32	$34.35	3.85%
11,520	40.0	$563.64	$597.98	$34.34	6.09%	$464.50	$464.50	$0.00	0.00%	$1,028.14	$1,062.48	$34.34	3.34%
14,400	40.0	$583.68	$618.02	$34.34	5.88%	$580.63	$580.63	$0.00	0.00%	$1,164.31	$1,198.65	$34.34	2.95%
8,640	60.0	$758.80	$810.31	$51.51	6.79%	$348.38	$348.38	$0.00	0.00%	$1,107.18	$1,158.69	$51.51	4.65%
12,960	60.0	$788.86	$840.38	$51.52	6.53%	$522.57	$522.57	$0.00	0.00%	$1,311.43	$1,362.95	$51.52	3.93%
17,280	60.0	$818.93	$870.44	$51.51	6.29%	$696.75	$696.75	$0.00	0.00%	$1,515.68	$1,567.19	$51.51	3.40%
21,600	60.0	$848.99	$900.51	$51.52	6.07%	$870.94	$870.94	$0.00	0.00%	$1,719.93	$1,771.45	$51.52	3.00%
11,520	80.0	$994.05	$1,062.74	$68.69	6.91%	$464.50	$464.50	$0.00	0.00%	$1,458.55	$1,527.24	$68.69	4.71%
17,280	80.0	$1,034.13	$1,102.82	$68.69	6.64%	$696.75	$696.75	$0.00	0.00%	$1,730.88	$1,799.57	$68.69	3.97%
23,040	80.0	$1,074.22	$1,142.91	$68.69	6.39%	$929.01	$929.01	$0.00	0.00%	$2,003.23	$2,071.92	$68.69	3.43%
28,800	80.0	$1,114.31	$1,182.99	$68.68	6.16%	$1,161.26	$1,161.26	$0.00	0.00%	$2,275.57	$2,344.25	$68.68	3.02%
14,400	100.0	$1,229.30	$1,315.16	$85.86	6.98%	$580.63	$580.63	$0.00	0.00%	$1,809.93	$1,895.79	$85.86	4.74%
21,600	100.0	$1,279.41	$1,365.26	$85.85	6.71%	$870.94	$870.94	$0.00	0.00%	$2,150.35	$2,236.20	$85.85	3.99%
28,800	100.0	$1,329.51	$1,415.37	$85.86	6.46%	$1,161.26	$1,161.26	$0.00	0.00%	$2,490.77	$2,576.63	$85.86	3.45%
36,000	100.0	$1,379.62	$1,465.48	$85.86	6.22%	$1,451.57	$1,451.57	$0.00	0.00%	$2,831.19	$2,917.05	$85.86	3.03%

Current

Customer Charge		$52.52
T&D Demand Charge	kW x	$10.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03565
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$52.52
T&D Demand Charge	kW x	$11.46
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03565
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,564.34	$1,671.41	$107.07	6.84%	$1,148.75	$1,148.75	$0.00	0.00%	$2,713.09	$2,820.16	$107.07	3.95%
36,000	100.0	$1,614.45	$1,721.52	$107.07	6.63%	$1,435.94	$1,435.94	$0.00	0.00%	$3,050.39	$3,157.46	$107.07	3.51%
43,200	100.0	$1,664.56	$1,771.63	$107.07	6.43%	$1,723.12	$1,723.12	$0.00	0.00%	$3,387.68	$3,494.75	$107.07	3.16%
57,600	100.0	$1,764.77	$1,871.85	$107.07	6.07%	$2,297.50	$2,297.50	$0.00	0.00%	$4,062.27	$4,169.35	$107.07	2.64%
57,600	200.0	$2,800.40	$2,948.89	$148.48	5.30%	$2,297.50	$2,297.50	$0.00	0.00%	$5,097.90	$5,246.39	$148.48	2.91%
72,000	200.0	$2,900.62	$3,049.10	$148.48	5.12%	$2,871.87	$2,871.87	$0.00	0.00%	$5,772.49	$5,920.97	$148.48	2.57%
86,400	200.0	$3,000.83	$3,149.32	$148.48	4.95%	$3,446.24	$3,446.24	$0.00	0.00%	$6,447.07	$6,595.56	$148.48	2.30%
115,200	200.0	$3,201.27	$3,349.75	$148.48	4.64%	$4,594.99	$4,594.99	$0.00	0.00%	$7,796.26	$7,944.74	$148.48	1.90%
72,000	250.0	$3,418.43	$3,587.62	$169.19	4.95%	$2,871.87	$2,871.87	$0.00	0.00%	$6,290.30	$6,459.49	$169.19	2.69%
90,000	250.0	$3,543.70	$3,712.89	$169.19	4.77%	$3,589.84	$3,589.84	$0.00	0.00%	$7,133.54	$7,302.73	$169.19	2.37%
100,000	250.0	$3,613.30	$3,782.49	$169.19	4.68%	$3,988.71	$3,988.71	$0.00	0.00%	$7,602.01	$7,771.20	$169.19	2.23%
144,000	250.0	$3,919.51	$4,088.70	$169.19	4.32%	$5,743.74	$5,743.74	$0.00	0.00%	$9,663.25	$9,832.44	$169.19	1.75%
144,000	500.0	$6,508.58	$6,781.31	$272.73	4.19%	$5,743.74	$5,743.74	$0.00	0.00%	$12,252.32	$12,525.05	$272.73	2.23%
180,000	500.0	$6,759.12	$7,031.85	$272.73	4.03%	$7,179.68	$7,179.68	$0.00	0.00%	$13,938.80	$14,211.53	$272.73	1.96%
216,000	500.0	$7,009.66	$7,282.39	$272.73	3.89%	$8,615.61	$8,615.61	$0.00	0.00%	$15,625.27	$15,898.00	$272.73	1.75%
288,000	500.0	$7,510.74	$7,783.47	$272.73	3.63%	$11,487.48	$11,487.48	$0.00	0.00%	$18,998.22	$19,270.95	$272.73	1.44%
216,000	750.0	$9,598.73	$9,974.99	$376.26	3.92%	$8,615.61	$8,615.61	$0.00	0.00%	$18,214.34	$18,590.60	$376.26	2.07%
270,000	750.0	$9,974.54	$10,350.80	$376.26	3.77%	$10,769.51	$10,769.51	$0.00	0.00%	$20,744.05	$21,120.31	$376.26	1.81%
324,000	750.0	$10,350.35	$10,726.61	$376.26	3.64%	$12,923.42	$12,923.42	$0.00	0.00%	$23,273.77	$23,650.03	$376.26	1.62%
432,000	750.0	$11,101.97	$11,478.23	$376.26	3.39%	$17,231.22	$17,231.22	$0.00	0.00%	$28,333.19	$28,709.45	$376.26	1.33%
432,000	1,500.0	$18,869.17	$19,556.04	$686.87	3.64%	$17,231.22	$17,231.22	$0.00	0.00%	$36,100.39	$36,787.26	$686.87	1.90%
540,000	1,500.0	$19,620.80	$20,307.66	$686.87	3.50%	$21,539.03	$21,539.03	$0.00	0.00%	$41,159.83	$41,846.69	$686.87	1.67%
648,000	1,500.0	$20,372.42	$21,059.29	$686.87	3.37%	$25,846.83	$25,846.83	$0.00	0.00%	$46,219.25	$46,906.12	$686.87	1.49%
864,000	1,500.0	$21,875.66	$22,562.53	$686.87	3.14%	$34,462.44	$34,462.44	$0.00	0.00%	$56,338.10	$57,024.97	$686.87	1.22%
576,000	2,000.0	$25,049.47	$25,943.41	$893.94	3.57%	$22,974.96	$22,974.96	$0.00	0.00%	$48,024.43	$48,918.37	$893.94	1.86%
720,000	2,000.0	$26,051.63	$26,945.57	$893.94	3.43%	$28,718.70	$28,718.70	$0.00	0.00%	$54,770.33	$55,664.27	$893.94	1.63%
864,000	2,000.0	$27,053.79	$27,947.73	$893.94	3.30%	$34,462.44	$34,462.44	$0.00	0.00%	$61,516.23	$62,410.17	$893.94	1.45%
1,152,000	2,000.0	$29,058.12	$29,952.06	$893.94	3.08%	$45,949.93	$45,949.93	$0.00	0.00%	$75,008.05	$75,901.99	$893.94	1.19%

Current

Customer Charge		$325.00
T&D Demand Charge	kW x	$10.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03522
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$390.00
T&D Demand Charge	kW x	$10.62
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03522
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,515.55	$1,576.16	$60.61	4.00%	$1,114.71	$1,114.71	$0.00	0.00%	$2,630.26	$2,690.87	$60.61	2.30%
36,000	100.0	$1,565.66	$1,626.27	$60.61	3.87%	$1,393.39	$1,393.39	$0.00	0.00%	$2,959.05	$3,019.66	$60.61	2.05%
43,200	100.0	$1,615.77	$1,676.38	$60.61	3.75%	$1,672.07	$1,672.07	$0.00	0.00%	$3,287.84	$3,348.45	$60.61	1.84%
57,600	100.0	$1,715.99	$1,776.59	$60.61	3.53%	$2,229.42	$2,229.42	$0.00	0.00%	$3,945.41	$4,006.01	$60.61	1.54%
57,600	200.0	$2,590.00	$2,711.21	$121.21	4.68%	$2,229.42	$2,229.42	$0.00	0.00%	$4,819.42	$4,940.63	$121.21	2.52%
72,000	200.0	$2,690.21	$2,811.43	$121.21	4.51%	$2,786.78	$2,786.78	$0.00	0.00%	$5,476.99	$5,598.21	$121.21	2.21%
86,400	200.0	$2,790.43	$2,911.64	$121.21	4.34%	$3,344.14	$3,344.14	$0.00	0.00%	$6,134.57	$6,255.78	$121.21	1.98%
115,200	200.0	$2,990.86	$3,112.07	$121.21	4.05%	$4,458.85	$4,458.85	$0.00	0.00%	$7,449.71	$7,570.92	$121.21	1.63%
72,000	250.0	$3,127.22	$3,278.73	$151.52	4.85%	$2,786.78	$2,786.78	$0.00	0.00%	$5,914.00	$6,065.51	$151.52	2.56%
90,000	250.0	$3,252.49	$3,404.00	$151.52	4.66%	$3,483.47	$3,483.47	$0.00	0.00%	$6,735.96	$6,887.47	$151.52	2.25%
108,000	250.0	$3,377.76	$3,529.27	$151.52	4.49%	$4,180.17	$4,180.17	$0.00	0.00%	$7,557.93	$7,709.44	$151.52	2.00%
144,000	250.0	$3,628.30	$3,779.82	$151.52	4.18%	$5,573.56	$5,573.56	$0.00	0.00%	$9,201.86	$9,353.38	$151.52	1.65%
144,000	500.0	$5,813.33	$6,116.36	$303.03	5.21%	$5,573.56	$5,573.56	$0.00	0.00%	$11,386.89	$11,689.92	$303.03	2.66%
180,000	500.0	$6,063.87	$6,366.90	$303.03	5.00%	$6,966.95	$6,966.95	$0.00	0.00%	$13,030.82	$13,333.85	$303.03	2.33%
225,000	500.0	$6,377.04	$6,680.07	$303.03	4.75%	$8,708.69	$8,708.69	$0.00	0.00%	$15,085.73	$15,388.76	$303.03	2.01%
288,000	500.0	$6,815.49	$7,118.52	$303.03	4.45%	$11,147.12	$11,147.12	$0.00	0.00%	$17,962.61	$18,265.64	$303.03	1.69%
216,000	750.0	$8,499.44	$8,953.98	$454.55	5.35%	$8,360.34	$8,360.34	$0.00	0.00%	$16,859.78	$17,314.32	$454.55	2.70%
270,000	750.0	$8,875.25	$9,329.79	$454.55	5.12%	$10,450.42	$10,450.42	$0.00	0.00%	$19,325.67	$19,780.21	$454.55	2.35%
324,000	750.0	$9,251.06	$9,705.60	$454.55	4.91%	$12,540.51	$12,540.51	$0.00	0.00%	$21,791.57	$22,246.11	$454.55	2.09%
432,000	750.0	$10,002.68	$10,457.22	$454.55	4.54%	$16,720.68	$16,720.68	$0.00	0.00%	$26,723.36	$27,177.90	$454.55	1.70%
432,000	1,500.0	$16,557.76	$17,466.85	$909.09	5.49%	$16,720.68	$16,720.68	$0.00	0.00%	$33,278.44	$34,187.53	$909.09	2.73%
540,000	1,500.0	$17,309.38	$18,218.47	$909.09	5.25%	$20,900.85	$20,900.85	$0.00	0.00%	$38,210.23	$39,119.32	$909.09	2.38%
648,000	1,500.0	$18,061.00	$18,970.09	$909.09	5.03%	$25,081.02	$25,081.02	$0.00	0.00%	$43,142.02	$44,051.11	$909.09	2.11%
864,000	1,500.0	$19,564.25	$20,473.34	$909.09	4.65%	$33,441.35	$33,441.35	$0.00	0.00%	$53,005.60	$53,914.69	$909.09	1.72%
576,000	2,000.0	$21,929.98	$23,142.10	$1,212.12	5.53%	$22,294.24	$22,294.24	$0.00	0.00%	$44,224.22	$45,436.34	$1,212.12	2.74%
720,000	2,000.0	$22,932.14	$24,144.26	$1,212.12	5.29%	$27,867.80	$27,867.80	$0.00	0.00%	$50,799.94	$52,012.06	$1,212.12	2.39%
864,000	2,000.0	$23,934.30	$25,146.42	$1,212.12	5.06%	$33,441.35	$33,441.35	$0.00	0.00%	$57,375.65	$58,587.77	$1,212.12	2.11%
1,152,000	2,000.0	$25,938.62	$27,150.74	$1,212.12	4.67%	$44,588.47	$44,588.47	$0.00	0.00%	$70,527.09	$71,739.21	$1,212.12	1.72%

Current

Customer Charge		$436.70
T&D Demand Charge	kW x	$8.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03405
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$436.70
T&D Demand Charge	kW x	$9.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03405
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GRT

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,120.91	$1,208.79	$87.88	7.84%	$1,091.15	$1,091.15	$0.00	0.00%	$2,212.06	$2,299.94	$87.88	3.97%
36,000	100.0	$1,171.02	$1,258.89	$87.88	7.50%	$1,363.94	$1,363.94	$0.00	0.00%	$2,534.96	$2,622.83	$87.88	3.47%
43,200	100.0	$1,221.12	$1,309.00	$87.88	7.20%	$1,636.72	$1,636.72	$0.00	0.00%	$2,857.84	$2,945.72	$87.88	3.08%
57,600	100.0	$1,321.34	$1,409.22	$87.88	6.65%	$2,182.30	$2,182.30	$0.00	0.00%	$3,503.64	$3,591.52	$87.88	2.51%
57,600	200.0	$1,596.36	$1,698.38	$102.02	6.39%	$2,182.30	$2,182.30	$0.00	0.00%	$3,778.66	$3,880.68	$102.02	2.70%
72,000	200.0	$1,696.58	$1,798.60	$102.02	6.01%	$2,727.87	$2,727.87	$0.00	0.00%	$4,424.45	$4,526.47	$102.02	2.31%
86,400	200.0	$1,796.79	$1,898.81	$102.02	5.68%	$3,273.44	$3,273.44	$0.00	0.00%	$5,070.23	$5,172.25	$102.02	2.01%
115,200	200.0	$1,997.23	$2,099.25	$102.02	5.11%	$4,364.59	$4,364.59	$0.00	0.00%	$6,361.82	$6,463.84	$102.02	1.60%
72,000	250.0	$1,834.09	$1,943.18	$109.09	5.95%	$2,727.87	$2,727.87	$0.00	0.00%	$4,561.96	$4,671.05	$109.09	2.39%
90,000	250.0	$1,959.36	$2,068.45	$109.09	5.57%	$3,409.84	$3,409.84	$0.00	0.00%	$5,369.20	$5,478.29	$109.09	2.03%
108,000	250.0	$2,084.63	$2,193.72	$109.09	5.23%	$4,091.81	$4,091.81	$0.00	0.00%	$6,176.44	$6,285.53	$109.09	1.77%
144,000	250.0	$2,335.17	$2,444.26	$109.09	4.67%	$5,455.74	$5,455.74	$0.00	0.00%	$7,790.91	$7,900.00	$109.09	1.40%
144,000	500.0	$3,022.72	$3,167.17	$144.44	4.78%	$5,455.74	$5,455.74	$0.00	0.00%	$8,478.46	$8,622.91	$144.44	1.70%
180,000	500.0	$3,273.26	$3,417.71	$144.44	4.41%	$6,819.68	$6,819.68	$0.00	0.00%	$10,092.94	$10,237.39	$144.44	1.43%
216,000	500.0	$3,523.80	$3,668.25	$144.44	4.10%	$8,183.61	$8,183.61	$0.00	0.00%	$11,707.41	$11,851.86	$144.44	1.23%
288,000	500.0	$4,024.88	$4,169.33	$144.44	3.59%	$10,911.48	$10,911.48	$0.00	0.00%	$14,936.36	$15,080.81	$144.44	0.97%
216,000	800.0	$4,348.87	$4,535.73	$186.87	4.30%	$8,183.61	$8,183.61	$0.00	0.00%	$12,532.48	$12,719.34	$186.87	1.49%
270,000	800.0	$4,724.68	$4,911.54	$186.87	3.96%	$10,229.51	$10,229.51	$0.00	0.00%	$14,954.19	$15,141.05	$186.87	1.25%
320,000	800.0	$5,072.65	$5,259.52	$186.87	3.68%	$12,123.87	$12,123.87	$0.00	0.00%	$17,196.52	$17,383.39	$186.87	1.09%
432,000	800.0	$5,852.11	$6,038.98	$186.87	3.19%	$16,367.22	$16,367.22	$0.00	0.00%	$22,219.33	$22,406.20	$186.87	0.84%
432,000	1,500.0	$7,777.26	$8,063.11	$285.86	3.68%	$16,367.22	$16,367.22	$0.00	0.00%	$24,144.48	$24,430.33	$285.86	1.18%
540,000	1,500.0	$8,528.88	$8,814.73	$285.86	3.35%	$20,459.03	$20,459.03	$0.00	0.00%	$28,987.91	$29,273.76	$285.86	0.99%
648,000	1,500.0	$9,280.50	$9,566.36	$285.86	3.08%	$24,550.83	$24,550.83	$0.00	0.00%	$33,831.33	$34,117.19	$285.86	0.84%
864,000	1,500.0	$10,783.74	$11,069.60	$285.86	2.65%	$32,734.44	$32,734.44	$0.00	0.00%	$43,518.18	$43,804.04	$285.86	0.66%
576,000	2,000.0	$10,154.52	$10,511.09	$356.57	3.51%	$21,822.96	$21,822.96	$0.00	0.00%	$31,977.48	$32,334.05	$356.57	1.12%
720,000	2,000.0	$11,156.68	$11,513.25	$356.57	3.20%	$27,278.70	$27,278.70	$0.00	0.00%	$38,435.38	$38,791.95	$356.57	0.93%
864,000	2,000.0	$12,158.85	$12,515.41	$356.57	2.93%	$32,734.44	$32,734.44	$0.00	0.00%	$44,893.29	$45,249.85	$356.57	0.79%
1,152,000	2,000.0	$14,163.17	$14,519.73	$356.57	2.52%	$43,645.93	$43,645.93	$0.00	0.00%	$57,809.10	$58,165.66	$356.57	0.62%

Current

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03324
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03324
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,120.91	$1,208.79	$87.88	7.84%	$1,102.78	$1,102.78	$0.00	0.00%	$2,223.69	$2,311.57	$87.88	3.95%
36,000	100.0	$1,171.02	$1,258.89	$87.88	7.50%	$1,378.48	$1,378.48	$0.00	0.00%	$2,549.50	$2,637.37	$87.88	3.45%
43,200	100.0	$1,221.12	$1,309.00	$87.88	7.20%	$1,654.18	$1,654.18	$0.00	0.00%	$2,875.30	$2,963.18	$87.88	3.06%
57,600	100.0	$1,321.34	$1,409.22	$87.88	6.65%	$2,205.57	$2,205.57	$0.00	0.00%	$3,526.91	$3,614.79	$87.88	2.49%
57,600	200.0	$1,596.36	$1,698.38	$102.02	6.39%	$2,205.57	$2,205.57	$0.00	0.00%	$3,801.93	$3,903.95	$102.02	2.68%
72,000	200.0	$1,696.58	$1,798.60	$102.02	6.01%	$2,756.96	$2,756.96	$0.00	0.00%	$4,453.54	$4,555.56	$102.02	2.29%
86,400	200.0	$1,796.79	$1,898.81	$102.02	5.68%	$3,308.35	$3,308.35	$0.00	0.00%	$5,105.14	$5,207.16	$102.02	2.00%
115,200	200.0	$1,997.23	$2,099.25	$102.02	5.11%	$4,411.14	$4,411.14	$0.00	0.00%	$6,408.37	$6,510.39	$102.02	1.59%
72,000	250.0	$1,834.09	$1,943.18	$109.09	5.95%	$2,756.96	$2,756.96	$0.00	0.00%	$4,591.05	$4,700.14	$109.09	2.38%
90,000	250.0	$1,959.36	$2,068.45	$109.09	5.57%	$3,446.20	$3,446.20	$0.00	0.00%	$5,405.56	$5,514.65	$109.09	2.02%
108,000	250.0	$2,084.63	$2,193.72	$109.09	5.23%	$4,135.44	$4,135.44	$0.00	0.00%	$6,220.07	$6,329.16	$109.09	1.75%
144,000	250.0	$2,335.17	$2,444.26	$109.09	4.67%	$5,513.92	$5,513.92	$0.00	0.00%	$7,849.09	$7,958.18	$109.09	1.39%
144,000	500.0	$3,022.72	$3,167.17	$144.44	4.78%	$5,513.92	$5,513.92	$0.00	0.00%	$8,536.64	$8,681.09	$144.44	1.69%
180,000	500.0	$3,273.26	$3,417.71	$144.44	4.41%	$6,892.40	$6,892.40	$0.00	0.00%	$10,165.66	$10,310.11	$144.44	1.42%
216,000	500.0	$3,523.80	$3,668.25	$144.44	4.10%	$8,270.88	$8,270.88	$0.00	0.00%	$11,794.68	$11,939.13	$144.44	1.22%
288,000	500.0	$4,024.88	$4,169.33	$144.44	3.59%	$11,027.85	$11,027.85	$0.00	0.00%	$15,052.73	$15,197.18	$144.44	0.96%
216,000	800.0	$4,348.87	$4,535.73	$186.87	4.30%	$8,270.88	$8,270.88	$0.00	0.00%	$12,619.75	$12,806.61	$186.87	1.48%
270,000	800.0	$4,724.68	$4,911.54	$186.87	3.96%	$10,338.60	$10,338.60	$0.00	0.00%	$15,063.28	$15,250.14	$186.87	1.24%
320,000	800.0	$5,072.65	$5,259.52	$186.87	3.68%	$12,253.16	$12,253.16	$0.00	0.00%	$17,325.81	$17,512.68	$186.87	1.08%
432,000	800.0	$5,852.11	$6,038.98	$186.87	3.19%	$16,541.77	$16,541.77	$0.00	0.00%	$22,393.88	$22,580.75	$186.87	0.83%
432,000	1,500.0	$7,777.26	$8,063.11	$285.86	3.68%	$16,541.77	$16,541.77	$0.00	0.00%	$24,319.03	$24,604.88	$285.86	1.18%
540,000	1,500.0	$8,528.88	$8,814.73	$285.86	3.35%	$20,677.21	$20,677.21	$0.00	0.00%	$29,206.09	$29,491.94	$285.86	0.98%
648,000	1,500.0	$9,280.50	$9,566.36	$285.86	3.08%	$24,812.65	$24,812.65	$0.00	0.00%	$34,093.15	$34,379.01	$285.86	0.84%
864,000	1,500.0	$10,783.74	$11,069.60	$285.86	2.65%	$33,083.54	$33,083.54	$0.00	0.00%	$43,867.28	$44,153.14	$285.86	0.65%
576,000	2,000.0	$10,154.52	$10,511.09	$356.57	3.51%	$22,055.69	$22,055.69	$0.00	0.00%	$32,210.21	$32,566.78	$356.57	1.11%
720,000	2,000.0	$11,156.68	$11,513.25	$356.57	3.20%	$27,569.61	$27,569.61	$0.00	0.00%	$38,726.29	$39,082.86	$356.57	0.92%
864,000	2,000.0	$12,158.85	$12,515.41	$356.57	2.93%	$33,083.54	$33,083.54	$0.00	0.00%	$45,242.39	$45,598.95	$356.57	0.79%
1,152,000	2,000.0	$14,163.17	$14,519.73	$356.57	2.52%	$44,111.38	$44,111.38	$0.00	0.00%	$58,274.55	$58,631.11	$356.57	0.61%

Current

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03364
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.003628
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03364
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.003628
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$28,922.34	$28,922.34	$0.00	0.00%	$59,579.71	$61,254.81	$1,675.09	2.81%
720,000	50%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$27,485.98	$27,485.98	$0.00	0.00%	$58,143.35	$59,818.45	$1,675.09	2.88%
720,000	40%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$26,049.61	$26,049.61	$0.00	0.00%	$56,706.98	$58,382.08	$1,675.09	2.95%
1,250,000	60%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$50,212.40	$50,212.40	$0.00	0.00%	$84,558.29	$86,233.38	$1,675.09	1.98%
1,250,000	50%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$47,718.71	$47,718.71	$0.00	0.00%	$82,064.60	$83,739.69	$1,675.09	2.04%
1,250,000	40%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$45,225.02	$45,225.02	$0.00	0.00%	$79,570.91	$81,246.00	$1,675.09	2.11%
1,440,000	60%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$57,844.68	$57,844.68	$0.00	0.00%	$93,512.86	$95,187.95	$1,675.09	1.79%
1,440,000	50%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$54,971.95	$54,971.95	$0.00	0.00%	$90,640.13	$92,315.22	$1,675.09	1.85%
1,440,000	40%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$52,099.23	$52,099.23	$0.00	0.00%	$87,767.41	$89,442.50	$1,675.09	1.91%
1,008,000	60%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$40,491.28	$40,491.28	$0.00	0.00%	$82,872.89	$85,083.33	$2,210.44	2.67%
1,008,000	50%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$38,480.37	$38,480.37	$0.00	0.00%	$80,861.98	$83,072.42	$2,210.44	2.73%
1,008,000	40%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$36,469.46	$36,469.46	$0.00	0.00%	$78,851.07	$81,061.51	$2,210.44	2.80%
1,512,000	60%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$60,736.92	$60,736.92	$0.00	0.00%	$106,626.09	$108,836.54	$2,210.44	2.07%
1,512,000	50%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$57,720.55	$57,720.55	$0.00	0.00%	$103,609.72	$105,820.17	$2,210.44	2.13%
1,512,000	40%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$54,704.19	$54,704.19	$0.00	0.00%	$100,593.36	$102,803.81	$2,210.44	2.20%
2,016,000	60%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$80,982.55	$80,982.55	$0.00	0.00%	$130,379.29	$132,589.73	$2,210.44	1.70%
2,016,000	50%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$76,960.74	$76,960.74	$0.00	0.00%	$126,357.48	$128,567.92	$2,210.44	1.75%
2,016,000	40%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$72,938.92	$72,938.92	$0.00	0.00%	$122,335.66	$124,546.10	$2,210.44	1.81%
1,152,000	60%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$46,275.74	$46,275.74	$0.00	0.00%	$94,519.46	$96,997.58	$2,478.12	2.62%
1,152,000	50%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$43,977.56	$43,977.56	$0.00	0.00%	$92,221.28	$94,699.40	$2,478.12	2.69%
1,152,000	40%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$41,679.38	$41,679.38	$0.00	0.00%	$89,923.10	$92,401.22	$2,478.12	2.76%
1,728,000	60%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$69,413.62	$69,413.62	$0.00	0.00%	$121,665.99	$124,144.11	$2,478.12	2.04%
1,728,000	50%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$65,966.34	$65,966.34	$0.00	0.00%	$118,218.71	$120,696.83	$2,478.12	2.10%
1,728,000	40%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$62,519.07	$62,519.07	$0.00	0.00%	$114,771.44	$117,249.56	$2,478.12	2.16%
2,304,000	60%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$92,551.49	$92,551.49	$0.00	0.00%	$148,812.50	$151,290.63	$2,478.12	1.67%
2,304,000	50%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$87,955.13	$87,955.13	$0.00	0.00%	$144,216.14	$146,694.27	$2,478.12	1.72%
2,304,000	40%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$83,358.76	$83,358.76	$0.00	0.00%	$139,619.77	$142,097.90	$2,478.12	1.77%
3,888,000	60%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$156,180.64	$156,180.64	$0.00	0.00%	$315,804.55	$323,368.53	$7,563.98	2.40%
3,888,000	50%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$148,424.28	$148,424.28	$0.00	0.00%	$308,048.19	$315,612.17	$7,563.98	2.46%
3,888,000	40%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$140,667.91	$140,667.91	$0.00	0.00%	$300,291.82	$307,855.80	$7,563.98	2.52%
5,832,000	60%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$234,270.96	$234,270.96	$0.00	0.00%	$407,424.05	$414,988.03	$7,563.98	1.86%
5,832,000	50%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$222,636.41	$222,636.41	$0.00	0.00%	$395,789.50	$403,353.48	$7,563.98	1.91%
5,832,000	40%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$211,001.87	$211,001.87	$0.00	0.00%	$384,154.96	$391,718.94	$7,563.98	1.97%
7,776,000	60%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$312,361.28	$312,361.28	$0.00	0.00%	$499,043.56	$506,607.54	$7,563.98	1.52%
7,776,000	50%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$296,848.55	$296,848.55	$0.00	0.00%	$483,530.83	$491,094.81	$7,563.98	1.56%
7,776,000	40%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$281,335.82	$281,335.82	$0.00	0.00%	$468,018.10	$475,582.08	$7,563.98	1.62%

Current

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04340
Commodity Energy Charge Off Peak	kWh x	$0.02365
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04340
Commodity Energy Charge Off Peak	kWh x	$0.02365
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$28,261.98	$28,261.98	$0.00	0.00%	$58,919.35	$60,594.45	$1,675.09	2.84%
720,000	50%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$26,875.07	$26,875.07	$0.00	0.00%	$57,532.44	$59,207.54	$1,675.09	2.91%
720,000	40%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$25,488.16	$25,488.16	$0.00	0.00%	$56,145.53	$57,820.63	$1,675.09	2.98%
1,250,000	60%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$49,065.93	$49,065.93	$0.00	0.00%	$83,411.82	$85,086.91	$1,675.09	2.01%
1,250,000	50%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$46,658.10	$46,658.10	$0.00	0.00%	$81,003.99	$82,679.08	$1,675.09	2.07%
1,250,000	40%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$44,250.28	$44,250.28	$0.00	0.00%	$78,596.17	$80,271.26	$1,675.09	2.13%
1,440,000	60%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$56,523.95	$56,523.95	$0.00	0.00%	$92,192.13	$93,867.22	$1,675.09	1.82%
1,440,000	50%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$53,750.14	$53,750.14	$0.00	0.00%	$89,418.32	$91,093.41	$1,675.09	1.87%
1,440,000	40%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$50,976.32	$50,976.32	$0.00	0.00%	$86,644.50	$88,319.59	$1,675.09	1.93%
1,008,000	60%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$39,566.77	$39,566.77	$0.00	0.00%	$81,948.38	$84,158.82	$2,210.44	2.70%
1,008,000	50%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$37,625.09	$37,625.09	$0.00	0.00%	$80,006.70	$82,217.14	$2,210.44	2.76%
1,008,000	40%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$35,683.42	$35,683.42	$0.00	0.00%	$78,065.03	$80,275.47	$2,210.44	2.83%
1,512,000	60%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$59,350.15	$59,350.15	$0.00	0.00%	$105,239.32	$107,449.77	$2,210.44	2.10%
1,512,000	50%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$56,437.64	$56,437.64	$0.00	0.00%	$102,326.81	$104,537.26	$2,210.44	2.16%
1,512,000	40%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$53,525.13	$53,525.13	$0.00	0.00%	$99,414.30	$101,624.75	$2,210.44	2.22%
2,016,000	60%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$79,133.54	$79,133.54	$0.00	0.00%	$128,530.28	$130,740.72	$2,210.44	1.72%
2,016,000	50%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$75,250.19	$75,250.19	$0.00	0.00%	$124,646.93	$126,857.37	$2,210.44	1.77%
2,016,000	40%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$71,366.84	$71,366.84	$0.00	0.00%	$120,763.58	$122,974.02	$2,210.44	1.83%
1,152,000	60%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$45,219.16	$45,219.16	$0.00	0.00%	$93,462.88	$95,941.00	$2,478.12	2.65%
1,152,000	50%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$43,000.11	$43,000.11	$0.00	0.00%	$91,243.83	$93,721.95	$2,478.12	2.72%
1,152,000	40%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$40,781.05	$40,781.05	$0.00	0.00%	$89,024.77	$91,502.89	$2,478.12	2.78%
1,728,000	60%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$67,828.74	$67,828.74	$0.00	0.00%	$120,081.11	$122,559.23	$2,478.12	2.06%
1,728,000	50%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$64,500.16	$64,500.16	$0.00	0.00%	$116,752.53	$119,230.65	$2,478.12	2.12%
1,728,000	40%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$61,171.58	$61,171.58	$0.00	0.00%	$113,423.95	$115,902.07	$2,478.12	2.18%
2,304,000	60%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$90,438.33	$90,438.33	$0.00	0.00%	$146,699.34	$149,177.47	$2,478.12	1.69%
2,304,000	50%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$86,000.22	$86,000.22	$0.00	0.00%	$142,261.23	$144,739.36	$2,478.12	1.74%
2,304,000	40%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$81,562.11	$81,562.11	$0.00	0.00%	$137,823.12	$140,301.25	$2,478.12	1.80%
3,888,000	60%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$152,614.68	$152,614.68	$0.00	0.00%	$312,238.59	$319,802.57	$7,563.98	2.42%
3,888,000	50%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$145,125.37	$145,125.37	$0.00	0.00%	$304,749.28	$312,313.26	$7,563.98	2.48%
3,888,000	40%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$137,636.06	$137,636.06	$0.00	0.00%	$297,259.97	$304,823.95	$7,563.98	2.54%
5,832,000	60%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$228,922.01	$228,922.01	$0.00	0.00%	$402,075.10	$409,639.08	$7,563.98	1.88%
5,832,000	50%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$217,688.05	$217,688.05	$0.00	0.00%	$390,841.14	$398,405.12	$7,563.98	1.94%
5,832,000	40%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$206,454.09	$206,454.09	$0.00	0.00%	$379,607.18	$387,171.16	$7,563.98	1.99%
7,776,000	60%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$305,229.35	$305,229.35	$0.00	0.00%	$491,911.63	$499,475.61	$7,563.98	1.54%
7,776,000	50%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$290,250.73	$290,250.73	$0.00	0.00%	$476,933.01	$484,496.99	$7,563.98	1.59%
7,776,000	40%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$275,272.11	$275,272.11	$0.00	0.00%	$461,954.39	$469,518.37	$7,563.98	1.64%

Current

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04222
Commodity Energy Charge Off Peak	kWh x	$0.02315
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04222
Commodity Energy Charge Off Peak	kWh x	$0.02315
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,592.39	$16,106.54	$514.14	3.30%	$27,774.70	$27,774.70	$0.00	0.00%	$43,367.09	$43,881.24	$514.14	1.19%
720,000	50%	2,500.0	$15,592.39	$16,106.54	$514.14	3.30%	$26,431.43	$26,431.43	$0.00	0.00%	$42,023.82	$42,537.97	$514.14	1.22%
720,000	40%	2,500.0	$15,592.39	$16,106.54	$514.14	3.30%	$25,088.16	$25,088.16	$0.00	0.00%	$40,680.55	$41,194.70	$514.14	1.26%
1,080,000	60%	2,500.0	$18,097.80	$18,611.94	$514.14	2.84%	$41,662.06	$41,662.06	$0.00	0.00%	$59,759.86	$60,274.00	$514.14	0.86%
1,080,000	50%	2,500.0	$18,097.80	$18,611.94	$514.14	2.84%	$39,647.15	$39,647.15	$0.00	0.00%	$57,744.95	$58,259.09	$514.14	0.89%
1,080,000	40%	2,500.0	$18,097.80	$18,611.94	$514.14	2.84%	$37,632.24	$37,632.24	$0.00	0.00%	$55,730.04	$56,244.18	$514.14	0.92%
1,440,000	60%	2,500.0	$20,603.20	$21,117.34	$514.14	2.50%	$55,549.41	$55,549.41	$0.00	0.00%	$76,152.61	$76,666.75	$514.14	0.68%
1,440,000	50%	2,500.0	$20,603.20	$21,117.34	$514.14	2.50%	$52,862.86	$52,862.86	$0.00	0.00%	$73,466.06	$73,980.20	$514.14	0.70%
1,440,000	40%	2,500.0	$20,603.20	$21,117.34	$514.14	2.50%	$50,176.32	$50,176.32	$0.00	0.00%	$70,779.52	$71,293.66	$514.14	0.73%
1,008,000	60%	3,500.0	$21,124.71	$21,705.51	$580.81	2.75%	$38,884.59	$38,884.59	$0.00	0.00%	$60,009.30	$60,590.10	$580.81	0.97%
1,008,000	50%	3,500.0	$21,124.71	$21,705.51	$580.81	2.75%	$37,004.00	$37,004.00	$0.00	0.00%	$58,128.71	$58,709.51	$580.81	1.00%
1,008,000	40%	3,500.0	$21,124.71	$21,705.51	$580.81	2.75%	$35,123.42	$35,123.42	$0.00	0.00%	$56,248.13	$56,828.93	$580.81	1.03%
1,512,000	60%	3,500.0	$24,632.27	$25,213.08	$580.81	2.36%	$58,326.88	$58,326.88	$0.00	0.00%	$82,959.15	$83,539.96	$580.81	0.70%
1,512,000	50%	3,500.0	$24,632.27	$25,213.08	$580.81	2.36%	$55,506.01	$55,506.01	$0.00	0.00%	$80,138.28	$80,719.09	$580.81	0.72%
1,512,000	40%	3,500.0	$24,632.27	$25,213.08	$580.81	2.36%	$52,685.13	$52,685.13	$0.00	0.00%	$77,317.40	$77,898.21	$580.81	0.75%
2,016,000	60%	3,500.0	$28,139.84	$28,720.65	$580.81	2.06%	$77,769.17	$77,769.17	$0.00	0.00%	$105,909.01	$106,489.82	$580.81	0.55%
2,016,000	50%	3,500.0	$28,139.84	$28,720.65	$580.81	2.06%	$74,008.01	$74,008.01	$0.00	0.00%	$102,147.85	$102,728.66	$580.81	0.57%
2,016,000	40%	3,500.0	$28,139.84	$28,720.65	$580.81	2.06%	$70,246.84	$70,246.84	$0.00	0.00%	$98,386.68	$98,967.49	$580.81	0.59%
1,152,000	60%	4,000.0	$23,890.86	$24,505.00	$614.14	2.57%	$44,439.53	$44,439.53	$0.00	0.00%	$68,330.39	$68,944.53	$614.14	0.90%
1,152,000	50%	4,000.0	$23,890.86	$24,505.00	$614.14	2.57%	$42,290.29	$42,290.29	$0.00	0.00%	$66,181.15	$66,795.29	$614.14	0.93%
1,152,000	40%	4,000.0	$23,890.86	$24,505.00	$614.14	2.57%	$40,141.05	$40,141.05	$0.00	0.00%	$64,031.91	$64,646.05	$614.14	0.96%
2,000,000	60%	4,000.0	$29,792.48	$30,406.62	$614.14	2.06%	$77,151.96	$77,151.96	$0.00	0.00%	$106,944.44	$107,558.58	$614.14	0.57%
2,000,000	50%	4,000.0	$29,792.48	$30,406.62	$614.14	2.06%	$73,420.64	$73,420.64	$0.00	0.00%	$103,213.12	$103,827.26	$614.14	0.60%
2,000,000	40%	4,000.0	$29,792.48	$30,406.62	$614.14	2.06%	$69,689.33	$69,689.33	$0.00	0.00%	$99,481.81	$100,095.95	$614.14	0.62%
2,304,000	60%	4,000.0	$31,908.16	$32,522.30	$614.14	1.92%	$88,879.05	$88,879.05	$0.00	0.00%	$120,787.21	$121,401.35	$614.14	0.51%
2,304,000	50%	4,000.0	$31,908.16	$32,522.30	$614.14	1.92%	$84,580.58	$84,580.58	$0.00	0.00%	$116,488.74	$117,102.88	$614.14	0.53%
2,304,000	40%	4,000.0	$31,908.16	$32,522.30	$614.14	1.92%	$80,282.11	$80,282.11	$0.00	0.00%	$112,190.27	$112,804.41	$614.14	0.55%
3,888,000	60%	13,500.0	$76,447.82	$77,695.30	$1,247.47	1.63%	$149,983.40	$149,983.40	$0.00	0.00%	$226,431.22	$227,678.70	$1,247.47	0.55%
3,888,000	50%	13,500.0	$76,447.82	$77,695.30	$1,247.47	1.63%	$142,729.73	$142,729.73	$0.00	0.00%	$219,177.55	$220,425.03	$1,247.47	0.57%
3,888,000	40%	13,500.0	$76,447.82	$77,695.30	$1,247.47	1.63%	$135,476.06	$135,476.06	$0.00	0.00%	$211,923.88	$213,171.36	$1,247.47	0.59%
5,832,000	60%	13,500.0	$89,977.00	$91,224.48	$1,247.47	1.39%	$224,975.10	$224,975.10	$0.00	0.00%	$314,952.10	$316,199.58	$1,247.47	0.40%
5,832,000	50%	13,500.0	$89,977.00	$91,224.48	$1,247.47	1.39%	$214,094.59	$214,094.59	$0.00	0.00%	$304,071.59	$305,319.07	$1,247.47	0.41%
5,832,000	40%	13,500.0	$89,977.00	$91,224.48	$1,247.47	1.39%	$203,214.09	$203,214.09	$0.00	0.00%	$293,191.09	$294,438.57	$1,247.47	0.43%
7,776,000	60%	13,500.0	$103,506.19	$104,753.66	$1,247.47	1.21%	$299,966.80	$299,966.80	$0.00	0.00%	$403,472.99	$404,720.46	$1,247.47	0.31%
7,776,000	50%	13,500.0	$103,506.19	$104,753.66	$1,247.47	1.21%	$285,459.46	$285,459.46	$0.00	0.00%	$388,965.65	$390,213.12	$1,247.47	0.32%
7,776,000	40%	13,500.0	$103,506.19	$104,753.66	$1,247.47	1.21%	$270,952.11	$270,952.11	$0.00	0.00%	$374,458.30	$375,705.77	$1,247.47	0.33%

Current

Customer Charge		$1,744.00
T&D Demand Charge	kW x	$3.45
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04131
Commodity Energy Charge Off Peak	kWh x	$0.02284
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$2,088.00
T&D Demand Charge	kW x	$3.52
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04131
Commodity Energy Charge Off Peak	kWh x	$0.02284
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$16,666.13	$18,056.03	$1,389.90	8.34%	$26,906.34	$26,906.34	$0.00	0.00%	$43,572.47	$44,962.37	$1,389.90	3.19%
720,000	50%	2,500.0	$16,666.13	$18,056.03	$1,389.90	8.34%	$25,638.70	$25,638.70	$0.00	0.00%	$42,304.83	$43,694.73	$1,389.90	3.29%
720,000	40%	2,500.0	$16,666.13	$18,056.03	$1,389.90	8.34%	$24,371.07	$24,371.07	$0.00	0.00%	$41,037.20	$42,427.10	$1,389.90	3.39%
1,080,000	60%	2,500.0	$19,171.54	$20,561.44	$1,389.90	7.25%	$40,359.51	$40,359.51	$0.00	0.00%	$59,531.05	$60,920.95	$1,389.90	2.33%
1,080,000	50%	2,500.0	$19,171.54	$20,561.44	$1,389.90	7.25%	$38,458.06	$38,458.06	$0.00	0.00%	$57,629.60	$59,019.50	$1,389.90	2.41%
1,080,000	40%	2,500.0	$19,171.54	$20,561.44	$1,389.90	7.25%	$36,556.60	$36,556.60	$0.00	0.00%	$55,728.14	$57,118.04	$1,389.90	2.49%
1,440,000	60%	2,500.0	$21,676.94	$23,066.84	$1,389.90	6.41%	$53,812.68	$53,812.68	$0.00	0.00%	$75,489.62	$76,879.52	$1,389.90	1.84%
1,440,000	50%	2,500.0	$21,676.94	$23,066.84	$1,389.90	6.41%	$51,277.41	$51,277.41	$0.00	0.00%	$72,954.35	$74,344.25	$1,389.90	1.91%
1,440,000	40%	2,500.0	$21,676.94	$23,066.84	$1,389.90	6.41%	$48,742.14	$48,742.14	$0.00	0.00%	$70,419.08	$71,808.98	$1,389.90	1.97%
1,008,000	60%	3,500.0	$21,713.60	$23,455.01	$1,741.41	8.02%	$37,668.88	$37,668.88	$0.00	0.00%	$59,382.48	$61,123.89	$1,741.41	2.93%
1,008,000	50%	3,500.0	$21,713.60	$23,455.01	$1,741.41	8.02%	$35,894.19	$35,894.19	$0.00	0.00%	$57,607.79	$59,349.20	$1,741.41	3.02%
1,008,000	40%	3,500.0	$21,713.60	$23,455.01	$1,741.41	8.02%	$34,119.49	$34,119.49	$0.00	0.00%	$55,833.09	$57,574.50	$1,741.41	3.12%
1,512,000	60%	3,500.0	$25,221.16	$26,962.58	$1,741.41	6.90%	$56,503.32	$56,503.32	$0.00	0.00%	$81,724.48	$83,465.90	$1,741.41	2.13%
1,512,000	50%	3,500.0	$25,221.16	$26,962.58	$1,741.41	6.90%	$53,841.28	$53,841.28	$0.00	0.00%	$79,062.44	$80,803.86	$1,741.41	2.20%
1,512,000	40%	3,500.0	$25,221.16	$26,962.58	$1,741.41	6.90%	$51,179.24	$51,179.24	$0.00	0.00%	$76,400.40	$78,141.82	$1,741.41	2.28%
2,016,000	60%	3,500.0	$28,728.73	$30,470.14	$1,741.41	6.06%	$75,337.75	$75,337.75	$0.00	0.00%	$104,066.48	$105,807.89	$1,741.41	1.67%
2,016,000	50%	3,500.0	$28,728.73	$30,470.14	$1,741.41	6.06%	$71,788.37	$71,788.37	$0.00	0.00%	$100,517.10	$102,258.51	$1,741.41	1.73%
2,016,000	40%	3,500.0	$28,728.73	$30,470.14	$1,741.41	6.06%	$68,238.99	$68,238.99	$0.00	0.00%	$96,967.72	$98,709.13	$1,741.41	1.80%
1,152,000	60%	4,000.0	$24,237.33	$26,154.50	$1,917.17	7.91%	$43,050.14	$43,050.14	$0.00	0.00%	$67,287.47	$69,204.64	$1,917.17	2.85%
1,152,000	50%	4,000.0	$24,237.33	$26,154.50	$1,917.17	7.91%	$41,021.93	$41,021.93	$0.00	0.00%	$65,259.26	$67,176.43	$1,917.17	2.94%
1,152,000	40%	4,000.0	$24,237.33	$26,154.50	$1,917.17	7.91%	$38,993.71	$38,993.71	$0.00	0.00%	$63,231.04	$65,148.21	$1,917.17	3.03%
1,728,000	60%	4,000.0	$28,245.97	$30,163.15	$1,917.17	6.79%	$64,575.22	$64,575.22	$0.00	0.00%	$92,821.19	$94,738.37	$1,917.17	2.07%
1,728,000	50%	4,000.0	$28,245.97	$30,163.15	$1,917.17	6.79%	$61,532.89	$61,532.89	$0.00	0.00%	$89,778.86	$91,696.04	$1,917.17	2.14%
1,728,000	40%	4,000.0	$28,245.97	$30,163.15	$1,917.17	6.79%	$58,490.56	$58,490.56	$0.00	0.00%	$86,736.53	$88,653.71	$1,917.17	2.21%
2,304,000	60%	4,000.0	$32,254.62	$34,171.79	$1,917.17	5.94%	$86,100.29	$86,100.29	$0.00	0.00%	$118,354.91	$120,272.08	$1,917.17	1.62%
2,304,000	50%	4,000.0	$32,254.62	$34,171.79	$1,917.17	5.94%	$82,043.85	$82,043.85	$0.00	0.00%	$114,298.47	$116,215.64	$1,917.17	1.68%
2,304,000	40%	4,000.0	$32,254.62	$34,171.79	$1,917.17	5.94%	$77,987.42	$77,987.42	$0.00	0.00%	$110,242.04	$112,159.21	$1,917.17	1.74%
3,888,000	60%	11,500.0	$66,101.95	$70,655.48	$4,553.54	6.89%	$145,294.24	$145,294.24	$0.00	0.00%	$211,396.19	$215,949.72	$4,553.54	2.15%
3,888,000	50%	11,500.0	$66,101.95	$70,655.48	$4,553.54	6.89%	$138,449.00	$138,449.00	$0.00	0.00%	$204,550.95	$209,104.48	$4,553.54	2.23%
3,888,000	40%	11,500.0	$66,101.95	$70,655.48	$4,553.54	6.89%	$131,603.77	$131,603.77	$0.00	0.00%	$197,705.72	$202,259.25	$4,553.54	2.30%
6,300,000	60%	12,000.0	$84,409.72	$89,139.02	$4,729.29	5.60%	$235,430.48	$235,430.48	$0.00	0.00%	$319,840.20	$324,569.50	$4,729.29	1.48%
6,300,000	50%	12,000.0	$84,409.72	$89,139.02	$4,729.29	5.60%	$224,338.66	$224,338.66	$0.00	0.00%	$308,748.38	$313,477.68	$4,729.29	1.53%
6,300,000	40%	12,000.0	$84,409.72	$89,139.02	$4,729.29	5.60%	$213,246.84	$213,246.84	$0.00	0.00%	$297,656.56	$302,385.86	$4,729.29	1.59%
7,776,000	60%	13,500.0	$99,246.59	$104,503.16	$5,256.57	5.30%	$290,588.48	$290,588.48	$0.00	0.00%	$389,835.07	$395,091.64	$5,256.57	1.35%
7,776,000	50%	13,500.0	$99,246.59	$104,503.16	$5,256.57	5.30%	$276,898.00	$276,898.00	$0.00	0.00%	$376,144.59	$381,401.16	$5,256.57	1.40%
7,776,000	40%	13,500.0	$99,246.59	$104,503.16	$5,256.57	5.30%	$263,207.53	$263,207.53	$0.00	0.00%	$362,454.12	$367,710.69	$5,256.57	1.45%

Current

Customer Charge		$4,007.00
T&D Demand Charge	kW x	$2.97
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.03970
Commodity Energy Charge Off Peak	kWh x	$0.02227
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		$4,513.00
T&D Demand Charge	kW x	$3.32
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.03970
Commodity Energy Charge Off Peak	kWh x	$0.02227
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$23.96	$24.50	$0.54	2.25%	$4.26	$4.26	$0.00	0.00%	$28.22	$28.76	$0.54	1.91%
200	$30.39	$31.47	$1.08	3.55%	$8.52	$8.52	$0.00	0.00%	$38.91	$39.99	$1.08	2.78%
300	$36.82	$38.45	$1.63	4.43%	$12.78	$12.78	$0.00	0.00%	$49.60	$51.23	$1.63	3.29%
400	$43.26	$45.42	$2.16	4.99%	$17.04	$17.04	$0.00	0.00%	$60.30	$62.46	$2.16	3.58%
500	$49.69	$52.40	$2.71	5.45%	$21.30	$21.30	$0.00	0.00%	$70.99	$73.70	$2.71	3.82%
600	$56.12	$59.37	$3.25	5.79%	$25.56	$25.56	$0.00	0.00%	$81.68	$84.93	$3.25	3.98%
700	$62.56	$66.34	$3.78	6.04%	$29.81	$29.81	$0.00	0.00%	$92.37	$96.15	$3.78	4.09%
800	$68.99	$73.32	$4.33	6.28%	$34.07	$34.07	$0.00	0.00%	$103.06	$107.39	$4.33	4.20%
900	$75.42	$80.29	$4.87	6.46%	$38.33	$38.33	$0.00	0.00%	$113.75	$118.62	$4.87	4.28%
1,000	$81.85	$87.27	$5.42	6.62%	$42.59	$42.59	$0.00	0.00%	$124.44	$129.86	$5.42	4.36%
1,100	$88.29	$94.24	$5.95	6.74%	$46.85	$46.85	$0.00	0.00%	$135.14	$141.09	$5.95	4.40%
1,200	$94.72	$101.21	$6.49	6.85%	$51.11	$51.11	$0.00	0.00%	$145.83	$152.32	$6.49	4.45%
1,300	$101.15	$108.19	$7.04	6.96%	$55.37	$55.37	$0.00	0.00%	$156.52	$163.56	$7.04	4.50%
1,400	$107.59	$115.16	$7.57	7.04%	$59.63	$59.63	$0.00	0.00%	$167.22	$174.79	$7.57	4.53%
1,500	$114.02	$122.14	$8.12	7.12%	$63.89	$63.89	$0.00	0.00%	$177.91	$186.03	$8.12	4.56%
1,600	$120.45	$129.11	$8.66	7.19%	$68.15	$68.15	$0.00	0.00%	$188.60	$197.26	$8.66	4.59%
1,700	$126.88	$136.08	$9.20	7.25%	$72.41	$72.41	$0.00	0.00%	$199.29	$208.49	$9.20	4.62%
1,800	$133.32	$143.06	$9.74	7.31%	$76.67	$76.67	$0.00	0.00%	$209.99	$219.73	$9.74	4.64%
1,900	$139.75	$150.03	$10.28	7.36%	$80.93	$80.93	$0.00	0.00%	$220.68	$230.96	$10.28	4.66%
2,000	$146.18	$157.01	$10.83	7.41%	$85.19	$85.19	$0.00	0.00%	$231.37	$242.20	$10.83	4.68%
2,200	$159.05	$170.95	$11.90	7.48%	$93.70	$93.70	$0.00	0.00%	$252.75	$264.65	$11.90	4.71%
2,400	$171.91	$184.90	$12.99	7.56%	$102.22	$102.22	$0.00	0.00%	$274.13	$287.12	$12.99	4.74%
2,600	$184.78	$198.85	$14.07	7.61%	$110.74	$110.74	$0.00	0.00%	$295.52	$309.59	$14.07	4.76%
2,800	$197.64	$212.80	$15.16	7.67%	$119.26	$119.26	$0.00	0.00%	$316.90	$332.06	$15.16	4.78%
3,000	$210.51	$226.75	$16.24	7.71%	$127.78	$127.78	$0.00	0.00%	$338.29	$354.53	$16.24	4.80%
3,200	$223.38	$240.70	$17.32	7.75%	$136.30	$136.30	$0.00	0.00%	$359.68	$377.00	$17.32	4.82%
3,400	$236.24	$254.64	$18.40	7.79%	$144.82	$144.82	$0.00	0.00%	$381.06	$399.46	$18.40	4.83%
3,600	$249.11	$268.59	$19.48	7.82%	$153.33	$153.33	$0.00	0.00%	$402.44	$421.92	$19.48	4.84%
3,800	$261.97	$282.54	$20.57	7.85%	$161.85	$161.85	$0.00	0.00%	$423.82	$444.39	$20.57	4.85%
4,000	$274.84	$296.49	$21.65	7.88%	$170.37	$170.37	$0.00	0.00%	$445.21	$466.86	$21.65	4.86%

Current

Customer Charge		$17.00
T&D Energy Charge	kWh x	$0.05533
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001212
Electricity Supply Rate Mechanism	kWh x	$0.000460
Commodity Energy Charge	kWh x	$0.03565
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00198
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		$17.00
T&D Energy Charge	kWh x	$0.06058
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001212
Electricity Supply Rate Mechanism	kWh x	$0.000460
Commodity Energy Charge	kWh x	$0.03565
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00198
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

TYPICAL BILL IMPACTS
SC-1C RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

On-Peak		Delivery				Commodity				Total			
kWh Usage	Percentage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
500	7%	$51.10	$52.34	$1.24	2.43%	$21.33	$21.33	$0.00	0.00%	$72.43	$73.67	$1.24	1.71%
600	7%	$55.14	$56.63	$1.49	2.70%	$25.60	$25.60	$0.00	0.00%	$80.74	$82.23	$1.49	1.85%
700	7%	$59.17	$60.91	$1.74	2.94%	$29.86	$29.86	$0.00	0.00%	$89.03	$90.77	$1.74	1.95%
800	7%	$63.21	$65.19	$1.98	3.13%	$34.13	$34.13	$0.00	0.00%	$97.34	$99.32	$1.98	2.03%
900	7%	$67.24	$69.48	$2.24	3.33%	$38.40	$38.40	$0.00	0.00%	$105.64	$107.88	$2.24	2.12%
1,000	7%	$71.28	$73.76	$2.48	3.48%	$42.66	$42.66	$0.00	0.00%	$113.94	$116.42	$2.48	2.18%
1,100	7%	$75.31	$78.04	$2.73	3.63%	$46.93	$46.93	$0.00	0.00%	$122.24	$124.97	$2.73	2.23%
1,200	7%	$79.35	$82.33	$2.98	3.76%	$51.19	$51.19	$0.00	0.00%	$130.54	$133.52	$2.98	2.28%
1,300	7%	$83.38	$86.61	$3.23	3.87%	$55.46	$55.46	$0.00	0.00%	$138.84	$142.07	$3.23	2.33%
1,400	7%	$87.42	$90.89	$3.47	3.97%	$59.73	$59.73	$0.00	0.00%	$147.15	$150.62	$3.47	2.36%
1,500	7%	$91.45	$95.18	$3.73	4.08%	$63.99	$63.99	$0.00	0.00%	$155.44	$159.17	$3.73	2.40%
1,600	7%	$95.49	$99.46	$3.97	4.16%	$68.26	$68.26	$0.00	0.00%	$163.75	$167.72	$3.97	2.42%
1,700	7%	$99.52	$103.74	$4.22	4.24%	$72.53	$72.53	$0.00	0.00%	$172.05	$176.27	$4.22	2.45%
1,800	7%	$103.56	$108.03	$4.47	4.32%	$76.79	$76.79	$0.00	0.00%	$180.35	$184.82	$4.47	2.48%
1,900	7%	$107.59	$112.31	$4.72	4.39%	$81.06	$81.06	$0.00	0.00%	$188.65	$193.37	$4.72	2.50%
2,000	7%	$111.63	$116.59	$4.96	4.44%	$85.32	$85.32	$0.00	0.00%	$196.95	$201.91	$4.96	2.52%
2,100	7%	$115.66	$120.88	$5.22	4.51%	$89.59	$89.59	$0.00	0.00%	$205.25	$210.47	$5.22	2.54%
2,200	7%	$119.69	$125.16	$5.47	4.57%	$93.86	$93.86	$0.00	0.00%	$213.55	$219.02	$5.47	2.56%
2,300	7%	$123.73	$129.44	$5.71	4.61%	$98.12	$98.12	$0.00	0.00%	$221.85	$227.56	$5.71	2.57%
2,400	7%	$127.76	$133.73	$5.97	4.67%	$102.39	$102.39	$0.00	0.00%	$230.15	$236.12	$5.97	2.59%
2,500	7%	$131.80	$138.01	$6.21	4.71%	$106.66	$106.66	$0.00	0.00%	$238.46	$244.67	$6.21	2.60%
2,600	7%	$135.83	$142.29	$6.46	4.76%	$110.92	$110.92	$0.00	0.00%	$246.75	$253.21	$6.46	2.62%
2,700	7%	$139.87	$146.58	$6.71	4.80%	$115.19	$115.19	$0.00	0.00%	$255.06	$261.77	$6.71	2.63%
2,800	7%	$143.90	$150.86	$6.96	4.84%	$119.45	$119.45	$0.00	0.00%	$263.35	$270.31	$6.96	2.64%
2,900	7%	$147.94	$155.14	$7.20	4.87%	$123.72	$123.72	$0.00	0.00%	$271.66	$278.86	$7.20	2.65%
3,000	7%	$151.97	$159.43	$7.46	4.91%	$127.99	$127.99	$0.00	0.00%	$279.96	$287.42	$7.46	2.66%
3,100	7%	$156.01	$163.71	$7.70	4.94%	$132.25	$132.25	$0.00	0.00%	$288.26	$295.96	$7.70	2.67%
3,200	7%	$160.04	$167.99	$7.95	4.97%	$136.52	$136.52	$0.00	0.00%	$296.56	$304.51	$7.95	2.68%
3,300	7%	$164.08	$172.28	$8.20	5.00%	$140.79	$140.79	$0.00	0.00%	$304.87	$313.07	$8.20	2.69%
3,400	7%	$168.11	$176.56	$8.45	5.03%	$145.05	$145.05	$0.00	0.00%	$313.16	$321.61	$8.45	2.70%
3,500	7%	$172.15	$180.84	$8.69	5.05%	$149.32	$149.32	$0.00	0.00%	$321.47	$330.16	$8.69	2.70%
3,600	7%	$176.18	$185.13	$8.95	5.08%	$153.58	$153.58	$0.00	0.00%	$329.76	$338.71	$8.95	2.71%
3,700	7%	$180.22	$189.41	$9.19	5.10%	$157.85	$157.85	$0.00	0.00%	$338.07	$347.26	$9.19	2.72%
3,900	7%	$188.29	$197.98	$9.69	5.15%	$166.38	$166.38	$0.00	0.00%	$354.67	$364.36	$9.69	2.73%
4,200	7%	$200.39	$210.83	$10.44	5.21%	$179.18	$179.18	$0.00	0.00%	$379.57	$390.01	$10.44	2.75%
4,500	7%	$212.50	$223.68	$11.18	5.26%	$191.98	$191.98	$0.00	0.00%	$404.48	$415.66	$11.18	2.76%

Current

Customer Charge			$30.00
T&D Energy Charge		kWh x	$0.03207
Revenue Decoupling Mechanism		kWh x	$0.00000
Legacy Transition Charge		kWh x	$0.001212
Commodity On Peak	7%	kWh x	$0.05500
Commodity Shoulder Peak	12%	kWh x	$0.04740
Commodity Off Peak	81%	kWh x	$0.03289
Transmission Revenue Adjustment Charg		kWh x	$0.00000
Systems Benefits Charge (SBC/CES)		kWh x	$0.005701
Incremental State Assessment Surcharge		kWh x	$0.000000
Merchant Function Charge		kWh x	$0.00198
DLM Surcharge		kWh x	$0.00016
CES Supply Charge		kWh x	$0.00408
CES Delivery Charge		kWh x	$0.00000
Gross Receipts Tax			
Commodity		Bill /	0.9900
Delivery		Bill /	0.9700

Proposed

Customer Charge		$30.00
T&D Energy Charge	kWh x	$0.03448
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001212
Commodity On Peak	kWh x	$0.05500
Commodity Shoulder Peak	kWh x	$0.04740
Commodity Off Peak	kWh x	$0.03289
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00198
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge,Merchant Function Charge, CES Supply Charge and Commodity GRT

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
150	$31.40	$32.34	$0.94	2.99%	$6.71	$6.71	$0.00	0.00%	$38.11	$39.05	$0.94	2.47%
250	$38.19	$39.75	$1.56	4.08%	$11.18	$11.18	$0.00	0.00%	$49.37	$50.93	$1.56	3.16%
350	$44.97	$47.16	$2.19	4.87%	$15.65	$15.65	$0.00	0.00%	$60.62	$62.81	$2.19	3.61%
450	$51.75	$54.57	$2.82	5.45%	$20.12	$20.12	$0.00	0.00%	$71.87	$74.69	$2.82	3.92%
550	$58.53	$61.98	$3.45	5.89%	$24.59	$24.59	$0.00	0.00%	$83.12	$86.57	$3.45	4.15%
650	$65.31	$69.38	$4.07	6.23%	$29.06	$29.06	$0.00	0.00%	$94.37	$98.44	$4.07	4.31%
750	$72.09	$76.79	$4.70	6.52%	$33.53	$33.53	$0.00	0.00%	$105.62	$110.32	$4.70	4.45%
850	$78.88	$84.20	$5.32	6.74%	$38.00	$38.00	$0.00	0.00%	$116.88	$122.20	$5.32	4.55%
950	$85.66	$91.61	$5.95	6.95%	$42.47	$42.47	$0.00	0.00%	$128.13	$134.08	$5.95	4.64%
1,050	$92.44	$99.02	$6.58	7.12%	$46.94	$46.94	$0.00	0.00%	$139.38	$145.96	$6.58	4.72%
1,150	$99.22	$106.42	$7.20	7.26%	$51.41	$51.41	$0.00	0.00%	$150.63	$157.83	$7.20	4.78%
1,250	$106.00	$113.83	$7.83	7.39%	$55.88	$55.88	$0.00	0.00%	$161.88	$169.71	$7.83	4.84%
1,350	$112.78	$121.24	$8.46	7.50%	$60.35	$60.35	$0.00	0.00%	$173.13	$181.59	$8.46	4.89%
1,450	$119.57	$128.65	$9.08	7.59%	$64.82	$64.82	$0.00	0.00%	$184.39	$193.47	$9.08	4.92%
1,550	$126.35	$136.05	$9.70	7.68%	$69.29	$69.29	$0.00	0.00%	$195.64	$205.34	$9.70	4.96%
1,650	$133.13	$143.46	$10.33	7.76%	$73.76	$73.76	$0.00	0.00%	$206.89	$217.22	$10.33	4.99%
1,750	$139.91	$150.87	$10.96	7.83%	$78.23	$78.23	$0.00	0.00%	$218.14	$229.10	$10.96	5.02%
1,850	$146.69	$158.28	$11.59	7.90%	$82.70	$82.70	$0.00	0.00%	$229.39	$240.98	$11.59	5.05%
1,950	$153.47	$165.69	$12.22	7.96%	$87.17	$87.17	$0.00	0.00%	$240.64	$252.86	$12.22	5.08%
2,050	$160.26	$173.09	$12.83	8.01%	$91.64	$91.64	$0.00	0.00%	$251.90	$264.73	$12.83	5.09%

Current

Customer Charge		$21.02
T&D Energy Charge	kWh x	$0.06007
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001212
Electricity Supply Rate Mechanism	kWh x	$0.000460
Commodity Energy Charge	kWh x	$0.03774
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00198
Incremental State Assessment Surcharge	kWh x	$0.00000
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$21.02
T&D Energy Charge	kWh x	$0.06627
Revenue Decoupling Mechanism	kWh x	$0.00000
Legacy Transition Charge	kWh x	$0.001212
Electricity Supply Rate Mechanism	kWh x	$0.000460
Commodity Energy Charge	kWh x	$0.03774
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00198
Incremental State Assessment Surcharge	kWh x	$0.00000
DLM Surcharge	kWh x	$0.00016
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$141.42	$147.79	$6.37	4.50%	$41.59	$41.59	$0.00	0.00%	$183.01	$189.38	$6.37	3.48%
1,512	7.0	$144.94	$151.30	$6.36	4.39%	$62.39	$62.39	$0.00	0.00%	$207.33	$213.69	$6.36	3.07%
2,016	7.0	$148.46	$154.82	$6.36	4.28%	$83.19	$83.19	$0.00	0.00%	$231.65	$238.01	$6.36	2.75%
2,520	7.0	$151.98	$158.34	$6.36	4.18%	$103.98	$103.98	$0.00	0.00%	$255.96	$262.32	$6.36	2.48%
2,160	15.0	$242.42	$256.05	$13.63	5.62%	$89.13	$89.13	$0.00	0.00%	$331.55	$345.18	$13.63	4.11%
3,240	15.0	$249.96	$263.60	$13.64	5.46%	$133.69	$133.69	$0.00	0.00%	$383.65	$397.29	$13.64	3.56%
4,320	15.0	$257.50	$271.14	$13.64	5.30%	$178.26	$178.26	$0.00	0.00%	$435.76	$449.40	$13.64	3.13%
5,400	15.0	$265.04	$278.68	$13.64	5.15%	$222.82	$222.82	$0.00	0.00%	$487.86	$501.50	$13.64	2.80%
3,600	25.0	$368.66	$391.39	$22.73	6.17%	$148.55	$148.55	$0.00	0.00%	$517.21	$539.94	$22.73	4.39%
5,400	25.0	$381.23	$403.96	$22.73	5.96%	$222.82	$222.82	$0.00	0.00%	$604.05	$626.78	$22.73	3.76%
7,000	25.0	$392.40	$415.13	$22.73	5.79%	$288.84	$288.84	$0.00	0.00%	$681.24	$703.97	$22.73	3.34%
9,000	25.0	$406.37	$429.10	$22.73	5.59%	$371.37	$371.37	$0.00	0.00%	$777.74	$800.47	$22.73	2.92%
5,760	40.0	$558.03	$594.39	$36.36	6.52%	$237.68	$237.68	$0.00	0.00%	$795.71	$832.07	$36.36	4.57%
8,640	40.0	$578.14	$614.50	$36.36	6.29%	$356.52	$356.52	$0.00	0.00%	$934.66	$971.02	$36.36	3.89%
11,520	40.0	$598.25	$634.61	$36.36	6.08%	$475.36	$475.36	$0.00	0.00%	$1,073.61	$1,109.97	$36.36	3.39%
14,400	40.0	$618.36	$654.73	$36.37	5.88%	$594.19	$594.19	$0.00	0.00%	$1,212.55	$1,248.92	$36.37	3.00%
8,640	60.0	$810.52	$865.06	$54.54	6.73%	$356.52	$356.52	$0.00	0.00%	$1,167.04	$1,221.58	$54.54	4.67%
12,960	60.0	$840.68	$895.23	$54.55	6.49%	$534.77	$534.77	$0.00	0.00%	$1,375.45	$1,430.00	$54.55	3.97%
17,280	60.0	$870.85	$925.40	$54.55	6.26%	$713.03	$713.03	$0.00	0.00%	$1,583.88	$1,638.43	$54.55	3.44%
21,600	60.0	$901.02	$955.56	$54.54	6.05%	$891.29	$891.29	$0.00	0.00%	$1,792.31	$1,846.85	$54.54	3.04%
11,520	80.0	$1,063.01	$1,135.73	$72.72	6.84%	$475.36	$475.36	$0.00	0.00%	$1,538.37	$1,611.09	$72.72	4.73%
17,280	80.0	$1,103.23	$1,175.96	$72.73	6.59%	$713.03	$713.03	$0.00	0.00%	$1,816.26	$1,888.99	$72.73	4.00%
23,040	80.0	$1,143.45	$1,216.18	$72.73	6.36%	$950.71	$950.71	$0.00	0.00%	$2,094.16	$2,166.89	$72.73	3.47%
28,800	80.0	$1,183.67	$1,256.40	$72.73	6.14%	$1,188.39	$1,188.39	$0.00	0.00%	$2,372.06	$2,444.79	$72.73	3.07%
14,400	100.0	$1,315.50	$1,406.40	$90.90	6.91%	$594.19	$594.19	$0.00	0.00%	$1,909.69	$2,000.59	$90.90	4.76%
21,600	100.0	$1,365.77	$1,456.68	$90.91	6.66%	$891.29	$891.29	$0.00	0.00%	$2,257.06	$2,347.97	$90.91	4.03%
28,800	100.0	$1,416.05	$1,506.96	$90.91	6.42%	$1,188.39	$1,188.39	$0.00	0.00%	$2,604.44	$2,695.35	$90.91	3.49%
36,000	100.0	$1,466.33	$1,557.24	$90.91	6.20%	$1,485.49	$1,485.49	$0.00	0.00%	$2,951.82	$3,042.73	$90.91	3.08%

Current

Customer Charge		$52.52
T&D Demand Charge	kW x	$11.46
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03612
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$52.52
T&D Demand Charge	kW x	$12.36
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03612
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,672.09	$1,785.22	$113.13	6.77%	$1,174.42	$1,174.42	$0.00	0.00%	$2,846.51	$2,959.64	$113.13	3.97%
36,000	100.0	$1,722.37	$1,835.50	$113.13	6.57%	$1,468.03	$1,468.03	$0.00	0.00%	$3,190.40	$3,303.53	$113.13	3.55%
43,200	100.0	$1,772.65	$1,885.78	$113.13	6.38%	$1,761.64	$1,761.64	$0.00	0.00%	$3,534.29	$3,647.42	$113.13	3.20%
57,600	100.0	$1,873.20	$1,986.33	$113.13	6.04%	$2,348.85	$2,348.85	$0.00	0.00%	$4,222.05	$4,335.18	$113.13	2.68%
57,600	200.0	$2,950.24	$3,110.85	$160.61	5.44%	$2,348.85	$2,348.85	$0.00	0.00%	$5,299.09	$5,459.70	$160.61	3.03%
72,000	200.0	$3,050.80	$3,211.40	$160.61	5.26%	$2,936.06	$2,936.06	$0.00	0.00%	$5,986.86	$6,147.46	$160.61	2.68%
86,400	200.0	$3,151.35	$3,311.96	$160.61	5.10%	$3,523.27	$3,523.27	$0.00	0.00%	$6,674.62	$6,835.23	$160.61	2.41%
115,200	200.0	$3,352.46	$3,513.07	$160.61	4.79%	$4,697.70	$4,697.70	$0.00	0.00%	$8,050.16	$8,210.77	$160.61	2.00%
72,000	250.0	$3,589.32	$3,773.66	$184.34	5.14%	$2,936.06	$2,936.06	$0.00	0.00%	$6,525.38	$6,709.72	$184.34	2.83%
90,000	250.0	$3,715.01	$3,899.36	$184.34	4.96%	$3,670.08	$3,670.08	$0.00	0.00%	$7,385.09	$7,569.44	$184.34	2.50%
100,000	250.0	$3,784.84	$3,969.19	$184.34	4.87%	$4,077.86	$4,077.86	$0.00	0.00%	$7,862.70	$8,047.05	$184.34	2.34%
144,000	250.0	$4,092.09	$4,276.44	$184.34	4.50%	$5,872.12	$5,872.12	$0.00	0.00%	$9,964.21	$10,148.56	$184.34	1.85%
144,000	500.0	$6,784.70	$7,087.73	$303.03	4.47%	$5,872.12	$5,872.12	$0.00	0.00%	$12,656.82	$12,959.85	$303.03	2.39%
180,000	500.0	$7,036.08	$7,339.11	$303.03	4.31%	$7,340.15	$7,340.15	$0.00	0.00%	$14,376.23	$14,679.26	$303.03	2.11%
216,000	500.0	$7,287.47	$7,590.50	$303.03	4.16%	$8,808.19	$8,808.19	$0.00	0.00%	$16,095.66	$16,398.69	$303.03	1.88%
288,000	500.0	$7,790.25	$8,093.28	$303.03	3.89%	$11,744.25	$11,744.25	$0.00	0.00%	$19,534.50	$19,837.53	$303.03	1.55%
216,000	750.0	$9,980.08	$10,401.79	$421.72	4.23%	$8,808.19	$8,808.19	$0.00	0.00%	$18,788.27	$19,209.98	$421.72	2.24%
270,000	750.0	$10,357.16	$10,778.87	$421.72	4.07%	$11,010.23	$11,010.23	$0.00	0.00%	$21,367.39	$21,789.10	$421.72	1.97%
324,000	750.0	$10,734.24	$11,155.96	$421.72	3.93%	$13,212.28	$13,212.28	$0.00	0.00%	$23,946.52	$24,368.24	$421.72	1.76%
432,000	750.0	$11,488.40	$11,910.12	$421.72	3.67%	$17,616.37	$17,616.37	$0.00	0.00%	$29,104.77	$29,526.49	$421.72	1.45%
432,000	1,500.0	$19,566.21	$20,343.99	$777.78	3.98%	$17,616.37	$17,616.37	$0.00	0.00%	$37,182.58	$37,960.36	$777.78	2.09%
540,000	1,500.0	$20,320.37	$21,098.15	$777.78	3.83%	$22,020.46	$22,020.46	$0.00	0.00%	$42,340.83	$43,118.61	$777.78	1.84%
648,000	1,500.0	$21,074.54	$21,852.32	$777.78	3.69%	$26,424.56	$26,424.56	$0.00	0.00%	$47,499.10	$48,276.88	$777.78	1.64%
864,000	1,500.0	$22,582.86	$23,360.64	$777.78	3.44%	$35,232.74	$35,232.74	$0.00	0.00%	$57,815.60	$58,593.38	$777.78	1.35%
576,000	2,000.0	$25,956.97	$26,972.12	$1,015.15	3.91%	$23,488.49	$23,488.49	$0.00	0.00%	$49,445.46	$50,460.61	$1,015.15	2.05%
720,000	2,000.0	$26,962.52	$27,977.67	$1,015.15	3.77%	$29,360.62	$29,360.62	$0.00	0.00%	$56,323.14	$57,338.29	$1,015.15	1.80%
864,000	2,000.0	$27,968.07	$28,983.22	$1,015.15	3.63%	$35,232.74	$35,232.74	$0.00	0.00%	$63,200.81	$64,215.96	$1,015.15	1.61%
1,152,000	2,000.0	$29,979.17	$30,994.32	$1,015.15	3.39%	$46,976.99	$46,976.99	$0.00	0.00%	$76,956.16	$77,971.31	$1,015.15	1.32%

Current

Customer Charge		$390.00
T&D Demand Charge	kW x	$10.62
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03564
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$455.00
T&D Demand Charge	kW x	$11.09
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03564
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,576.84	$1,635.42	$58.59	3.72%	$1,139.22	$1,139.22	$0.00	0.00%	$2,716.06	$2,774.64	$58.59	2.16%
36,000	100.0	$1,627.12	$1,685.70	$58.59	3.60%	$1,424.03	$1,424.03	$0.00	0.00%	$3,051.15	$3,109.73	$58.59	1.92%
43,200	100.0	$1,677.39	$1,735.98	$58.59	3.49%	$1,708.84	$1,708.84	$0.00	0.00%	$3,386.23	$3,444.82	$58.59	1.73%
57,600	100.0	$1,777.95	$1,836.53	$58.59	3.30%	$2,278.45	$2,278.45	$0.00	0.00%	$4,056.40	$4,114.98	$58.59	1.44%
57,600	200.0	$2,712.57	$2,829.74	$117.17	4.32%	$2,278.45	$2,278.45	$0.00	0.00%	$4,991.02	$5,108.19	$117.17	2.35%
72,000	200.0	$2,813.12	$2,930.29	$117.17	4.17%	$2,848.06	$2,848.06	$0.00	0.00%	$5,661.18	$5,778.35	$117.17	2.07%
86,400	200.0	$2,913.68	$3,030.85	$117.17	4.02%	$3,417.67	$3,417.67	$0.00	0.00%	$6,331.35	$6,448.52	$117.17	1.85%
115,200	200.0	$3,114.79	$3,231.96	$117.17	3.76%	$4,556.90	$4,556.90	$0.00	0.00%	$7,671.69	$7,788.86	$117.17	1.53%
72,000	250.0	$3,280.43	$3,426.89	$146.46	4.46%	$2,848.06	$2,848.06	$0.00	0.00%	$6,128.49	$6,274.95	$146.46	2.39%
90,000	250.0	$3,406.12	$3,552.59	$146.46	4.30%	$3,560.08	$3,560.08	$0.00	0.00%	$6,966.20	$7,112.67	$146.46	2.10%
108,000	250.0	$3,531.82	$3,678.28	$146.46	4.15%	$4,272.09	$4,272.09	$0.00	0.00%	$7,803.91	$7,950.37	$146.46	1.88%
144,000	250.0	$3,783.20	$3,929.67	$146.46	3.87%	$5,696.12	$5,696.12	$0.00	0.00%	$9,479.32	$9,625.79	$146.46	1.55%
144,000	500.0	$6,119.75	$6,412.68	$292.93	4.79%	$5,696.12	$5,696.12	$0.00	0.00%	$11,815.87	$12,108.80	$292.93	2.48%
180,000	500.0	$6,371.13	$6,664.06	$292.93	4.60%	$7,120.15	$7,120.15	$0.00	0.00%	$13,491.28	$13,784.21	$292.93	2.17%
225,000	500.0	$6,685.37	$6,978.30	$292.93	4.38%	$8,900.19	$8,900.19	$0.00	0.00%	$15,585.56	$15,878.49	$292.93	1.88%
288,000	500.0	$7,125.30	$7,418.23	$292.93	4.11%	$11,392.25	$11,392.25	$0.00	0.00%	$18,517.55	$18,810.48	$292.93	1.58%
216,000	750.0	$8,959.07	$9,398.46	$439.39	4.90%	$8,544.19	$8,544.19	$0.00	0.00%	$17,503.26	$17,942.65	$439.39	2.51%
270,000	750.0	$9,336.15	$9,775.54	$439.39	4.71%	$10,680.23	$10,680.23	$0.00	0.00%	$20,016.38	$20,455.77	$439.39	2.20%
324,000	750.0	$9,713.23	$10,152.62	$439.39	4.52%	$12,816.28	$12,816.28	$0.00	0.00%	$22,529.51	$22,968.90	$439.39	1.95%
432,000	750.0	$10,467.39	$10,906.79	$439.39	4.20%	$17,088.37	$17,088.37	$0.00	0.00%	$27,555.76	$27,995.16	$439.39	1.59%
432,000	1,500.0	$17,477.02	$18,355.81	$878.79	5.03%	$17,088.37	$17,088.37	$0.00	0.00%	$34,565.39	$35,444.18	$878.79	2.54%
540,000	1,500.0	$18,231.18	$19,109.97	$878.79	4.82%	$21,360.46	$21,360.46	$0.00	0.00%	$39,591.64	$40,470.43	$878.79	2.22%
648,000	1,500.0	$18,985.35	$19,864.13	$878.79	4.63%	$25,632.56	$25,632.56	$0.00	0.00%	$44,617.91	$45,496.69	$878.79	1.97%
864,000	1,500.0	$20,493.67	$21,372.46	$878.79	4.29%	$34,176.74	$34,176.74	$0.00	0.00%	$54,670.41	$55,549.20	$878.79	1.61%
576,000	2,000.0	$23,155.65	$24,327.37	$1,171.72	5.06%	$22,784.49	$22,784.49	$0.00	0.00%	$45,940.14	$47,111.86	$1,171.72	2.55%
720,000	2,000.0	$24,161.21	$25,332.92	$1,171.72	4.85%	$28,480.62	$28,480.62	$0.00	0.00%	$52,641.83	$53,813.54	$1,171.72	2.23%
864,000	2,000.0	$25,166.76	$26,338.47	$1,171.72	4.66%	$34,176.74	$34,176.74	$0.00	0.00%	$59,343.50	$60,515.21	$1,171.72	1.97%
1,152,000	2,000.0	$27,177.86	$28,349.58	$1,171.72	4.31%	$45,568.99	$45,568.99	$0.00	0.00%	$72,746.85	$73,918.57	$1,171.72	1.61%

Current

Customer Charge		$436.70
T&D Demand Charge	kW x	$9.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03443
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$436.70
T&D Demand Charge	kW x	$9.79
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03443
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GRT

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,209.46	$1,298.35	$88.89	7.35%	$1,115.08	$1,115.08	$0.00	0.00%	$2,324.54	$2,413.43	$88.89	3.82%
36,000	100.0	$1,259.74	$1,348.63	$88.89	7.06%	$1,393.85	$1,393.85	$0.00	0.00%	$2,653.59	$2,742.48	$88.89	3.35%
43,200	100.0	$1,310.02	$1,398.91	$88.89	6.79%	$1,672.62	$1,672.62	$0.00	0.00%	$2,982.64	$3,071.53	$88.89	2.98%
57,600	100.0	$1,410.57	$1,499.46	$88.89	6.30%	$2,230.16	$2,230.16	$0.00	0.00%	$3,640.73	$3,729.62	$88.89	2.44%
57,600	200.0	$1,699.74	$1,802.77	$103.03	6.06%	$2,230.16	$2,230.16	$0.00	0.00%	$3,929.90	$4,032.93	$103.03	2.62%
72,000	200.0	$1,800.29	$1,903.32	$103.03	5.72%	$2,787.70	$2,787.70	$0.00	0.00%	$4,587.99	$4,691.02	$103.03	2.25%
86,400	200.0	$1,900.85	$2,003.88	$103.03	5.42%	$3,345.24	$3,345.24	$0.00	0.00%	$5,246.09	$5,349.12	$103.03	1.96%
115,200	200.0	$2,101.96	$2,204.99	$103.03	4.90%	$4,460.32	$4,460.32	$0.00	0.00%	$6,562.28	$6,665.31	$103.03	1.57%
72,000	250.0	$1,944.87	$2,054.97	$110.10	5.66%	$2,787.70	$2,787.70	$0.00	0.00%	$4,732.57	$4,842.67	$110.10	2.33%
90,000	250.0	$2,070.57	$2,180.67	$110.10	5.32%	$3,484.62	$3,484.62	$0.00	0.00%	$5,555.19	$5,665.29	$110.10	1.98%
108,000	250.0	$2,196.26	$2,306.36	$110.10	5.01%	$4,181.55	$4,181.55	$0.00	0.00%	$6,377.81	$6,487.91	$110.10	1.73%
144,000	250.0	$2,447.65	$2,557.75	$110.10	4.50%	$5,575.40	$5,575.40	$0.00	0.00%	$8,023.05	$8,133.15	$110.10	1.37%
144,000	500.0	$3,170.56	$3,316.01	$145.45	4.59%	$5,575.40	$5,575.40	$0.00	0.00%	$8,745.96	$8,891.41	$145.45	1.66%
180,000	500.0	$3,421.94	$3,567.40	$145.45	4.25%	$6,969.25	$6,969.25	$0.00	0.00%	$10,391.19	$10,536.65	$145.45	1.40%
216,000	500.0	$3,673.33	$3,818.79	$145.45	3.96%	$8,363.09	$8,363.09	$0.00	0.00%	$12,036.42	$12,181.88	$145.45	1.21%
288,000	500.0	$4,176.11	$4,321.56	$145.45	3.48%	$11,150.79	$11,150.79	$0.00	0.00%	$15,326.90	$15,472.35	$145.45	0.95%
216,000	800.0	$4,540.82	$4,728.70	$187.88	4.14%	$8,363.09	$8,363.09	$0.00	0.00%	$12,903.91	$13,091.79	$187.88	1.46%
270,000	800.0	$4,917.90	$5,105.78	$187.88	3.82%	$10,453.87	$10,453.87	$0.00	0.00%	$15,371.77	$15,559.65	$187.88	1.22%
320,000	800.0	$5,267.05	$5,454.93	$187.88	3.57%	$12,389.77	$12,389.77	$0.00	0.00%	$17,656.82	$17,844.70	$187.88	1.06%
432,000	800.0	$6,049.14	$6,237.02	$187.88	3.11%	$16,726.19	$16,726.19	$0.00	0.00%	$22,775.33	$22,963.21	$187.88	0.82%
432,000	1,500.0	$8,073.28	$8,360.15	$286.87	3.55%	$16,726.19	$16,726.19	$0.00	0.00%	$24,799.47	$25,086.34	$286.87	1.16%
540,000	1,500.0	$8,827.44	$9,114.31	$286.87	3.25%	$20,907.74	$20,907.74	$0.00	0.00%	$29,735.18	$30,022.05	$286.87	0.96%
648,000	1,500.0	$9,581.61	$9,868.48	$286.87	2.99%	$25,089.28	$25,089.28	$0.00	0.00%	$34,670.89	$34,957.76	$286.87	0.83%
864,000	1,500.0	$11,089.93	$11,376.80	$286.87	2.59%	$33,452.38	$33,452.38	$0.00	0.00%	$44,542.31	$44,829.18	$286.87	0.64%
576,000	2,000.0	$10,524.64	$10,882.22	$357.58	3.40%	$22,301.59	$22,301.59	$0.00	0.00%	$32,826.23	$33,183.81	$357.58	1.09%
720,000	2,000.0	$11,530.20	$11,887.77	$357.58	3.10%	$27,876.98	$27,876.98	$0.00	0.00%	$39,407.18	$39,764.75	$357.58	0.91%
864,000	2,000.0	$12,535.75	$12,893.32	$357.58	2.85%	$33,452.38	$33,452.38	$0.00	0.00%	$45,988.13	$46,345.70	$357.58	0.78%
1,152,000	2,000.0	$14,546.85	$14,904.42	$357.58	2.46%	$44,603.17	$44,603.17	$0.00	0.00%	$59,150.02	$59,507.59	$357.58	0.60%

Current

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03360
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$786.00
T&D Demand Charge	kW x	$2.96
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03360
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,209.46	$1,298.35	$88.89	7.35%	$1,128.75	$1,128.75	$0.00	0.00%	$2,338.21	$2,427.10	$88.89	3.80%
36,000	100.0	$1,259.74	$1,348.63	$88.89	7.06%	$1,410.94	$1,410.94	$0.00	0.00%	$2,670.68	$2,759.57	$88.89	3.33%
43,200	100.0	$1,310.02	$1,398.91	$88.89	6.79%	$1,693.13	$1,693.13	$0.00	0.00%	$3,003.15	$3,092.04	$88.89	2.96%
57,600	100.0	$1,410.57	$1,499.46	$88.89	6.30%	$2,257.50	$2,257.50	$0.00	0.00%	$3,668.07	$3,756.96	$88.89	2.42%
57,600	200.0	$1,699.74	$1,802.77	$103.03	6.06%	$2,257.50	$2,257.50	$0.00	0.00%	$3,957.24	$4,060.27	$103.03	2.60%
72,000	200.0	$1,800.29	$1,903.32	$103.03	5.72%	$2,821.88	$2,821.88	$0.00	0.00%	$4,622.17	$4,725.20	$103.03	2.23%
86,400	200.0	$1,900.85	$2,003.88	$103.03	5.42%	$3,386.26	$3,386.26	$0.00	0.00%	$5,287.11	$5,390.14	$103.03	1.95%
115,200	200.0	$2,101.96	$2,204.99	$103.03	4.90%	$4,515.01	$4,515.01	$0.00	0.00%	$6,616.97	$6,720.00	$103.03	1.56%
72,000	250.0	$1,944.87	$2,054.97	$110.10	5.66%	$2,821.88	$2,821.88	$0.00	0.00%	$4,766.75	$4,876.85	$110.10	2.31%
90,000	250.0	$2,070.57	$2,180.67	$110.10	5.32%	$3,527.35	$3,527.35	$0.00	0.00%	$5,597.92	$5,708.02	$110.10	1.97%
108,000	250.0	$2,196.26	$2,306.36	$110.10	5.01%	$4,232.82	$4,232.82	$0.00	0.00%	$6,429.08	$6,539.18	$110.10	1.71%
144,000	250.0	$2,447.65	$2,557.75	$110.10	4.50%	$5,643.76	$5,643.76	$0.00	0.00%	$8,091.41	$8,201.51	$110.10	1.36%
144,000	500.0	$3,170.56	$3,316.01	$145.45	4.59%	$5,643.76	$5,643.76	$0.00	0.00%	$8,814.32	$8,959.77	$145.45	1.65%
180,000	500.0	$3,421.94	$3,567.40	$145.45	4.25%	$7,054.70	$7,054.70	$0.00	0.00%	$10,476.64	$10,622.10	$145.45	1.39%
216,000	500.0	$3,673.33	$3,818.79	$145.45	3.96%	$8,465.64	$8,465.64	$0.00	0.00%	$12,138.97	$12,284.43	$145.45	1.20%
288,000	500.0	$4,176.11	$4,321.56	$145.45	3.48%	$11,287.52	$11,287.52	$0.00	0.00%	$15,463.63	$15,609.08	$145.45	0.94%
216,000	800.0	$4,540.82	$4,728.70	$187.88	4.14%	$8,465.64	$8,465.64	$0.00	0.00%	$13,006.46	$13,194.34	$187.88	1.44%
270,000	800.0	$4,917.90	$5,105.78	$187.88	3.82%	$10,582.05	$10,582.05	$0.00	0.00%	$15,499.95	$15,687.83	$187.88	1.21%
320,000	800.0	$5,267.05	$5,454.93	$187.88	3.57%	$12,541.69	$12,541.69	$0.00	0.00%	$17,808.74	$17,996.62	$187.88	1.05%
432,000	800.0	$6,049.14	$6,237.02	$187.88	3.11%	$16,931.28	$16,931.28	$0.00	0.00%	$22,980.42	$23,168.30	$187.88	0.82%
432,000	1,500.0	$8,073.28	$8,360.15	$286.87	3.55%	$16,931.28	$16,931.28	$0.00	0.00%	$25,004.56	$25,291.43	$286.87	1.15%
540,000	1,500.0	$8,827.44	$9,114.31	$286.87	3.25%	$21,164.10	$21,164.10	$0.00	0.00%	$29,991.54	$30,278.41	$286.87	0.96%
648,000	1,500.0	$9,581.61	$9,868.48	$286.87	2.99%	$25,396.92	$25,396.92	$0.00	0.00%	$34,978.53	$35,265.40	$286.87	0.82%
864,000	1,500.0	$11,089.93	$11,376.80	$286.87	2.59%	$33,862.56	$33,862.56	$0.00	0.00%	$44,952.49	$45,239.36	$286.87	0.64%
576,000	2,000.0	$10,524.64	$10,882.22	$357.58	3.40%	$22,575.04	$22,575.04	$0.00	0.00%	$33,099.68	$33,457.26	$357.58	1.08%
720,000	2,000.0	$11,530.20	$11,887.77	$357.58	3.10%	$28,218.80	$28,218.80	$0.00	0.00%	$39,749.00	$40,106.57	$357.58	0.90%
864,000	2,000.0	$12,535.75	$12,893.32	$357.58	2.85%	$33,862.56	$33,862.56	$0.00	0.00%	$46,398.31	$46,755.88	$357.58	0.77%
1,152,000	2,000.0	$14,546.85	$14,904.42	$357.58	2.46%	$45,150.08	$45,150.08	$0.00	0.00%	$59,696.93	$60,054.50	$357.58	0.60%

Current

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03407
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.004080
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$786.00
T&D Demand Charge	kW x	$2.96
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03407
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.004080
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$29,540.98	$29,540.98	$0.00	0.00%	$61,890.39	$63,615.98	$1,725.59	2.79%
720,000	50%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$28,066.07	$28,066.07	$0.00	0.00%	$60,415.48	$62,141.07	$1,725.59	2.86%
720,000	40%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$26,591.16	$26,591.16	$0.00	0.00%	$58,940.57	$60,666.16	$1,725.59	2.93%
1,250,000	60%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$51,286.43	$51,286.43	$0.00	0.00%	$87,336.83	$89,062.41	$1,725.59	1.98%
1,250,000	50%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$48,725.82	$48,725.82	$0.00	0.00%	$84,776.22	$86,501.80	$1,725.59	2.04%
1,250,000	40%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$46,165.21	$46,165.21	$0.00	0.00%	$82,215.61	$83,941.19	$1,725.59	2.10%
1,440,000	60%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$59,081.96	$59,081.96	$0.00	0.00%	$96,459.13	$98,184.71	$1,725.59	1.79%
1,440,000	50%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$56,132.14	$56,132.14	$0.00	0.00%	$93,509.31	$95,234.89	$1,725.59	1.85%
1,440,000	40%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$53,182.33	$53,182.33	$0.00	0.00%	$90,559.50	$92,285.08	$1,725.59	1.91%
1,008,000	60%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$41,357.37	$41,357.37	$0.00	0.00%	$85,973.14	$88,254.29	$2,281.14	2.65%
1,008,000	50%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$39,292.50	$39,292.50	$0.00	0.00%	$83,908.27	$86,189.42	$2,281.14	2.72%
1,008,000	40%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$37,227.63	$37,227.63	$0.00	0.00%	$81,843.40	$84,124.55	$2,281.14	2.79%
1,512,000	60%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$62,036.06	$62,036.06	$0.00	0.00%	$110,171.26	$112,452.40	$2,281.14	2.07%
1,512,000	50%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$58,938.75	$58,938.75	$0.00	0.00%	$107,073.95	$109,355.09	$2,281.14	2.13%
1,512,000	40%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$55,841.44	$55,841.44	$0.00	0.00%	$103,976.64	$106,257.78	$2,281.14	2.19%
2,016,000	60%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$82,714.75	$82,714.75	$0.00	0.00%	$134,369.38	$136,650.52	$2,281.14	1.70%
2,016,000	50%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$78,585.00	$78,585.00	$0.00	0.00%	$130,239.63	$132,520.77	$2,281.14	1.75%
2,016,000	40%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$74,455.26	$74,455.26	$0.00	0.00%	$126,109.89	$128,391.03	$2,281.14	1.81%
1,152,000	60%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$47,265.57	$47,265.57	$0.00	0.00%	$98,014.53	$100,573.45	$2,558.92	2.61%
1,152,000	50%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$44,905.72	$44,905.72	$0.00	0.00%	$95,654.68	$98,213.60	$2,558.92	2.68%
1,152,000	40%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$42,545.86	$42,545.86	$0.00	0.00%	$93,294.82	$95,853.74	$2,558.92	2.74%
1,728,000	60%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$70,898.36	$70,898.36	$0.00	0.00%	$125,669.52	$128,228.44	$2,558.92	2.04%
1,728,000	50%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$67,358.57	$67,358.57	$0.00	0.00%	$122,129.73	$124,688.65	$2,558.92	2.10%
1,728,000	40%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$63,818.79	$63,818.79	$0.00	0.00%	$118,589.95	$121,148.87	$2,558.92	2.16%
2,304,000	60%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$94,531.14	$94,531.14	$0.00	0.00%	$153,324.50	$155,883.42	$2,558.92	1.67%
2,304,000	50%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$89,811.43	$89,811.43	$0.00	0.00%	$148,604.79	$151,163.71	$2,558.92	1.72%
2,304,000	40%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$85,091.72	$85,091.72	$0.00	0.00%	$143,885.08	$146,444.00	$2,558.92	1.78%
3,888,000	60%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$159,521.30	$159,521.30	$0.00	0.00%	$326,800.70	$334,637.40	$7,836.70	2.40%
3,888,000	50%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$151,556.79	$151,556.79	$0.00	0.00%	$318,836.19	$326,672.89	$7,836.70	2.46%
3,888,000	40%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$143,592.28	$143,592.28	$0.00	0.00%	$310,871.68	$318,708.38	$7,836.70	2.52%
5,832,000	60%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$239,281.95	$239,281.95	$0.00	0.00%	$420,136.29	$427,972.99	$7,836.70	1.87%
5,832,000	50%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$227,335.19	$227,335.19	$0.00	0.00%	$408,189.53	$416,026.23	$7,836.70	1.92%
5,832,000	40%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$215,388.42	$215,388.42	$0.00	0.00%	$396,242.76	$404,079.46	$7,836.70	1.98%
7,776,000	60%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$319,042.60	$319,042.60	$0.00	0.00%	$513,471.88	$521,308.58	$7,836.70	1.53%
7,776,000	50%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$303,113.58	$303,113.58	$0.00	0.00%	$497,542.86	$505,379.56	$7,836.70	1.58%
7,776,000	40%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$287,184.56	$287,184.56	$0.00	0.00%	$481,613.84	$489,450.54	$7,836.70	1.63%

Current

Customer Charge		$1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04400
Commodity Energy Charge Off Peak	kWh x	$0.02372
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$2,000.00
T&D Demand Charge	kW x	$10.66
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04400
Commodity Energy Charge Off Peak	kWh x	$0.02372
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$28,868.98	$28,868.98	$0.00	0.00%	$61,218.39	$62,943.98	$1,725.59	2.82%
720,000	50%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$27,444.25	$27,444.25	$0.00	0.00%	$59,793.66	$61,519.25	$1,725.59	2.89%
720,000	40%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$26,019.53	$26,019.53	$0.00	0.00%	$58,368.94	$60,094.53	$1,725.59	2.96%
1,250,000	60%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$50,119.76	$50,119.76	$0.00	0.00%	$86,170.16	$87,895.74	$1,725.59	2.00%
1,250,000	50%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$47,646.27	$47,646.27	$0.00	0.00%	$83,696.67	$85,422.25	$1,725.59	2.06%
1,250,000	40%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$45,172.79	$45,172.79	$0.00	0.00%	$81,223.19	$82,948.77	$1,725.59	2.12%
1,440,000	60%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$57,737.96	$57,737.96	$0.00	0.00%	$95,115.13	$96,840.71	$1,725.59	1.81%
1,440,000	50%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$54,888.51	$54,888.51	$0.00	0.00%	$92,265.68	$93,991.26	$1,725.59	1.87%
1,440,000	40%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$52,039.05	$52,039.05	$0.00	0.00%	$89,416.22	$91,141.80	$1,725.59	1.93%
1,008,000	60%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$40,416.57	$40,416.57	$0.00	0.00%	$85,032.34	$87,313.49	$2,281.14	2.68%
1,008,000	50%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$38,421.96	$38,421.96	$0.00	0.00%	$83,037.73	$85,318.88	$2,281.14	2.75%
1,008,000	40%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$36,427.34	$36,427.34	$0.00	0.00%	$81,043.11	$83,324.26	$2,281.14	2.81%
1,512,000	60%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$60,624.86	$60,624.86	$0.00	0.00%	$108,760.06	$111,041.20	$2,281.14	2.10%
1,512,000	50%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$57,632.93	$57,632.93	$0.00	0.00%	$105,768.13	$108,049.27	$2,281.14	2.16%
1,512,000	40%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$54,641.01	$54,641.01	$0.00	0.00%	$102,776.21	$105,057.35	$2,281.14	2.22%
2,016,000	60%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$80,833.15	$80,833.15	$0.00	0.00%	$132,487.78	$134,768.92	$2,281.14	1.72%
2,016,000	50%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$76,843.91	$76,843.91	$0.00	0.00%	$128,498.54	$130,779.68	$2,281.14	1.78%
2,016,000	40%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$72,854.68	$72,854.68	$0.00	0.00%	$124,509.31	$126,790.45	$2,281.14	1.83%
1,152,000	60%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$46,190.37	$46,190.37	$0.00	0.00%	$96,939.33	$99,498.25	$2,558.92	2.64%
1,152,000	50%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$43,910.81	$43,910.81	$0.00	0.00%	$94,659.77	$97,218.69	$2,558.92	2.70%
1,152,000	40%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$41,631.24	$41,631.24	$0.00	0.00%	$92,380.20	$94,939.12	$2,558.92	2.77%
1,728,000	60%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$69,285.56	$69,285.56	$0.00	0.00%	$124,056.72	$126,615.64	$2,558.92	2.06%
1,728,000	50%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$65,866.21	$65,866.21	$0.00	0.00%	$120,637.37	$123,196.29	$2,558.92	2.12%
1,728,000	40%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$62,446.86	$62,446.86	$0.00	0.00%	$117,218.02	$119,776.94	$2,558.92	2.18%
2,304,000	60%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$92,380.74	$92,380.74	$0.00	0.00%	$151,174.10	$153,733.02	$2,558.92	1.69%
2,304,000	50%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$87,821.61	$87,821.61	$0.00	0.00%	$146,614.97	$149,173.89	$2,558.92	1.75%
2,304,000	40%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$83,262.49	$83,262.49	$0.00	0.00%	$142,055.85	$144,614.77	$2,558.92	1.80%
3,888,000	60%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$155,892.50	$155,892.50	$0.00	0.00%	$323,171.90	$331,008.60	$7,836.70	2.42%
3,888,000	50%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$148,198.97	$148,198.97	$0.00	0.00%	$315,478.37	$323,315.07	$7,836.70	2.48%
3,888,000	40%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$140,505.45	$140,505.45	$0.00	0.00%	$307,784.85	$315,621.55	$7,836.70	2.55%
5,832,000	60%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$233,838.75	$233,838.75	$0.00	0.00%	$414,693.09	$422,529.79	$7,836.70	1.89%
5,832,000	50%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$222,298.46	$222,298.46	$0.00	0.00%	$403,152.80	$410,989.50	$7,836.70	1.94%
5,832,000	40%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$210,758.17	$210,758.17	$0.00	0.00%	$391,612.51	$399,449.21	$7,836.70	2.00%
7,776,000	60%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$311,785.00	$311,785.00	$0.00	0.00%	$506,214.28	$514,050.98	$7,836.70	1.55%
7,776,000	50%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$296,397.94	$296,397.94	$0.00	0.00%	$490,827.22	$498,663.92	$7,836.70	1.60%
7,776,000	40%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$281,010.89	$281,010.89	$0.00	0.00%	$475,440.17	$483,276.87	$7,836.70	1.65%

Current

Customer Charge		$1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04280
Commodity Energy Charge Off Peak	kWh x	$0.02321
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$2,000.00
T&D Demand Charge	kW x	$10.66
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04280
Commodity Energy Charge Off Peak	kWh x	$0.02321
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$16,133.58	$16,842.17	$708.59	4.39%	$28,367.16	$28,367.16	$0.00	0.00%	$44,500.74	$45,209.33	$708.59	1.59%
720,000	50%	2,500.0	$16,133.58	$16,842.17	$708.59	4.39%	$26,989.71	$26,989.71	$0.00	0.00%	$43,123.29	$43,831.88	$708.59	1.64%
720,000	40%	2,500.0	$16,133.58	$16,842.17	$708.59	4.39%	$25,612.25	$25,612.25	$0.00	0.00%	$41,745.83	$42,454.42	$708.59	1.70%
1,080,000	60%	2,500.0	$18,647.46	$19,356.05	$708.59	3.80%	$42,550.74	$42,550.74	$0.00	0.00%	$61,198.20	$61,906.79	$708.59	1.16%
1,080,000	50%	2,500.0	$18,647.46	$19,356.05	$708.59	3.80%	$40,484.56	$40,484.56	$0.00	0.00%	$59,132.02	$59,840.61	$708.59	1.20%
1,080,000	40%	2,500.0	$18,647.46	$19,356.05	$708.59	3.80%	$38,418.38	$38,418.38	$0.00	0.00%	$57,065.84	$57,774.43	$708.59	1.24%
1,440,000	60%	2,500.0	$21,161.34	$21,869.92	$708.59	3.35%	$56,734.33	$56,734.33	$0.00	0.00%	$77,895.67	$78,604.25	$708.59	0.91%
1,440,000	50%	2,500.0	$21,161.34	$21,869.92	$708.59	3.35%	$53,979.42	$53,979.42	$0.00	0.00%	$75,140.76	$75,849.34	$708.59	0.94%
1,440,000	40%	2,500.0	$21,161.34	$21,869.92	$708.59	3.35%	$51,224.51	$51,224.51	$0.00	0.00%	$72,385.85	$73,094.43	$708.59	0.98%
1,008,000	60%	3,500.0	$21,743.38	$22,596.41	$853.03	3.92%	$39,714.03	$39,714.03	$0.00	0.00%	$61,457.41	$62,310.44	$853.03	1.39%
1,008,000	50%	3,500.0	$21,743.38	$22,596.41	$853.03	3.92%	$37,785.59	$37,785.59	$0.00	0.00%	$59,528.97	$60,382.00	$853.03	1.43%
1,008,000	40%	3,500.0	$21,743.38	$22,596.41	$853.03	3.92%	$35,857.16	$35,857.16	$0.00	0.00%	$57,600.54	$58,453.57	$853.03	1.48%
1,512,000	60%	3,500.0	$25,262.81	$26,115.84	$853.03	3.38%	$59,571.04	$59,571.04	$0.00	0.00%	$84,833.85	$85,686.88	$853.03	1.01%
1,512,000	50%	3,500.0	$25,262.81	$26,115.84	$853.03	3.38%	$56,678.39	$56,678.39	$0.00	0.00%	$81,941.20	$82,794.23	$853.03	1.04%
1,512,000	40%	3,500.0	$25,262.81	$26,115.84	$853.03	3.38%	$53,785.73	$53,785.73	$0.00	0.00%	$79,048.54	$79,901.57	$853.03	1.08%
2,016,000	60%	3,500.0	$28,782.24	$29,635.27	$853.03	2.96%	$79,428.06	$79,428.06	$0.00	0.00%	$108,210.30	$109,063.33	$853.03	0.79%
2,016,000	50%	3,500.0	$28,782.24	$29,635.27	$853.03	2.96%	$75,571.18	$75,571.18	$0.00	0.00%	$104,353.42	$105,206.45	$853.03	0.82%
2,016,000	40%	3,500.0	$28,782.24	$29,635.27	$853.03	2.96%	$71,714.31	$71,714.31	$0.00	0.00%	$100,496.55	$101,349.58	$853.03	0.85%
1,152,000	60%	4,000.0	$24,548.28	$25,473.53	$925.25	3.77%	$45,387.46	$45,387.46	$0.00	0.00%	$69,935.74	$70,860.99	$925.25	1.32%
1,152,000	50%	4,000.0	$24,548.28	$25,473.53	$925.25	3.77%	$43,183.53	$43,183.53	$0.00	0.00%	$67,731.81	$68,657.06	$925.25	1.37%
1,152,000	40%	4,000.0	$24,548.28	$25,473.53	$925.25	3.77%	$40,979.61	$40,979.61	$0.00	0.00%	$65,527.89	$66,453.14	$925.25	1.41%
2,000,000	60%	4,000.0	$30,469.86	$31,395.11	$925.25	3.04%	$78,797.68	$78,797.68	$0.00	0.00%	$109,267.54	$110,192.79	$925.25	0.85%
2,000,000	50%	4,000.0	$30,469.86	$31,395.11	$925.25	3.04%	$74,971.41	$74,971.41	$0.00	0.00%	$105,441.27	$106,366.52	$925.25	0.88%
2,000,000	40%	4,000.0	$30,469.86	$31,395.11	$925.25	3.04%	$71,145.15	$71,145.15	$0.00	0.00%	$101,615.01	$102,540.26	$925.25	0.91%
2,304,000	60%	4,000.0	$32,592.69	$33,517.94	$925.25	2.84%	$90,774.92	$90,774.92	$0.00	0.00%	$123,367.61	$124,292.86	$925.25	0.75%
2,304,000	50%	4,000.0	$32,592.69	$33,517.94	$925.25	2.84%	$86,367.07	$86,367.07	$0.00	0.00%	$118,959.76	$119,885.01	$925.25	0.78%
2,304,000	40%	4,000.0	$32,592.69	$33,517.94	$925.25	2.84%	$81,959.21	$81,959.21	$0.00	0.00%	$114,551.90	$115,477.15	$925.25	0.81%
3,888,000	60%	13,500.0	$77,841.35	$80,138.83	$2,297.47	2.95%	$153,182.68	$153,182.68	$0.00	0.00%	$231,024.03	$233,321.51	$2,297.47	0.99%
3,888,000	50%	13,500.0	$77,841.35	$80,138.83	$2,297.47	2.95%	$145,744.43	$145,744.43	$0.00	0.00%	$223,585.78	$225,883.26	$2,297.47	1.03%
3,888,000	40%	13,500.0	$77,841.35	$80,138.83	$2,297.47	2.95%	$138,306.17	$138,306.17	$0.00	0.00%	$216,147.52	$218,445.00	$2,297.47	1.06%
5,832,000	60%	13,500.0	$91,416.29	$93,713.76	$2,297.47	2.51%	$229,774.02	$229,774.02	$0.00	0.00%	$321,190.31	$323,487.78	$2,297.47	0.72%
5,832,000	50%	13,500.0	$91,416.29	$93,713.76	$2,297.47	2.51%	$218,616.64	$218,616.64	$0.00	0.00%	$310,032.93	$312,330.40	$2,297.47	0.74%
5,832,000	40%	13,500.0	$91,416.29	$93,713.76	$2,297.47	2.51%	$207,459.26	$207,459.26	$0.00	0.00%	$298,875.55	$301,173.02	$2,297.47	0.77%
7,776,000	60%	13,500.0	$104,991.23	$107,288.70	$2,297.47	2.19%	$306,365.36	$306,365.36	$0.00	0.00%	$411,356.59	$413,654.06	$2,297.47	0.56%
7,776,000	50%	13,500.0	$104,991.23	$107,288.70	$2,297.47	2.19%	$291,488.85	$291,488.85	$0.00	0.00%	$396,480.08	$398,777.55	$2,297.47	0.58%
7,776,000	40%	13,500.0	$104,991.23	$107,288.70	$2,297.47	2.19%	$276,612.34	$276,612.34	$0.00	0.00%	$381,603.57	$383,901.04	$2,297.47	0.60%

Current

Customer Charge		$2,088.00
T&D Demand Charge	kW x	$3.52
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04185
Commodity Energy Charge Off Peak	kWh x	$0.02291
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$2,432.00
T&D Demand Charge	kW x	$3.66
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04185
Commodity Energy Charge Off Peak	kWh x	$0.02291
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$18,078.03	$18,681.06	$603.03	3.34%	$27,476.98	$27,476.98	$0.00	0.00%	$45,555.01	$46,158.04	$603.03	1.32%
720,000	50%	2,500.0	$18,078.03	$18,681.06	$603.03	3.34%	$26,178.80	$26,178.80	$0.00	0.00%	$44,256.83	$44,859.86	$603.03	1.36%
720,000	40%	2,500.0	$18,078.03	$18,681.06	$603.03	3.34%	$24,880.62	$24,880.62	$0.00	0.00%	$42,958.65	$43,561.68	$603.03	1.40%
1,080,000	60%	2,500.0	$20,591.91	$21,194.94	$603.03	2.93%	$41,215.47	$41,215.47	$0.00	0.00%	$61,807.38	$62,410.41	$603.03	0.98%
1,080,000	50%	2,500.0	$20,591.91	$21,194.94	$603.03	2.93%	$39,268.20	$39,268.20	$0.00	0.00%	$59,860.11	$60,463.14	$603.03	1.01%
1,080,000	40%	2,500.0	$20,591.91	$21,194.94	$603.03	2.93%	$37,320.93	$37,320.93	$0.00	0.00%	$57,912.84	$58,515.87	$603.03	1.04%
1,440,000	60%	2,500.0	$23,105.78	$23,708.81	$603.03	2.61%	$54,953.96	$54,953.96	$0.00	0.00%	$78,059.74	$78,662.77	$603.03	0.77%
1,440,000	50%	2,500.0	$23,105.78	$23,708.81	$603.03	2.61%	$52,357.60	$52,357.60	$0.00	0.00%	$75,463.38	$76,066.41	$603.03	0.80%
1,440,000	40%	2,500.0	$23,105.78	$23,708.81	$603.03	2.61%	$49,761.24	$49,761.24	$0.00	0.00%	$72,867.02	$73,470.05	$603.03	0.83%
1,008,000	60%	3,500.0	$23,485.81	$24,125.20	$639.39	2.72%	$38,467.77	$38,467.77	$0.00	0.00%	$61,953.58	$62,592.97	$639.39	1.03%
1,008,000	50%	3,500.0	$23,485.81	$24,125.20	$639.39	2.72%	$36,650.32	$36,650.32	$0.00	0.00%	$60,136.13	$60,775.52	$639.39	1.06%
1,008,000	40%	3,500.0	$23,485.81	$24,125.20	$639.39	2.72%	$34,832.86	$34,832.86	$0.00	0.00%	$58,318.67	$58,958.06	$639.39	1.10%
1,512,000	60%	3,500.0	$27,005.23	$27,644.63	$639.39	2.37%	$57,701.66	$57,701.66	$0.00	0.00%	$84,706.89	$85,346.29	$639.39	0.75%
1,512,000	50%	3,500.0	$27,005.23	$27,644.63	$639.39	2.37%	$54,975.48	$54,975.48	$0.00	0.00%	$81,980.71	$82,620.11	$639.39	0.78%
1,512,000	40%	3,500.0	$27,005.23	$27,644.63	$639.39	2.37%	$52,249.30	$52,249.30	$0.00	0.00%	$79,254.53	$79,893.93	$639.39	0.81%
2,016,000	60%	3,500.0	$30,524.66	$31,164.06	$639.39	2.09%	$76,935.55	$76,935.55	$0.00	0.00%	$107,460.21	$108,099.61	$639.39	0.60%
2,016,000	50%	3,500.0	$30,524.66	$31,164.06	$639.39	2.09%	$73,300.64	$73,300.64	$0.00	0.00%	$103,825.30	$104,464.70	$639.39	0.62%
2,016,000	40%	3,500.0	$30,524.66	$31,164.06	$639.39	2.09%	$69,665.73	$69,665.73	$0.00	0.00%	$100,190.39	$100,829.79	$639.39	0.64%
1,152,000	60%	4,000.0	$26,189.69	$26,847.27	$657.58	2.51%	$43,963.17	$43,963.17	$0.00	0.00%	$70,152.86	$70,810.44	$657.58	0.94%
1,152,000	50%	4,000.0	$26,189.69	$26,847.27	$657.58	2.51%	$41,886.08	$41,886.08	$0.00	0.00%	$68,075.77	$68,733.35	$657.58	0.97%
1,152,000	40%	4,000.0	$26,189.69	$26,847.27	$657.58	2.51%	$39,808.99	$39,808.99	$0.00	0.00%	$65,998.68	$66,656.26	$657.58	1.00%
1,728,000	60%	4,000.0	$30,211.90	$30,869.47	$657.58	2.18%	$65,944.76	$65,944.76	$0.00	0.00%	$96,156.66	$96,814.23	$657.58	0.68%
1,728,000	50%	4,000.0	$30,211.90	$30,869.47	$657.58	2.18%	$62,829.12	$62,829.12	$0.00	0.00%	$93,041.02	$93,698.59	$657.58	0.71%
1,728,000	40%	4,000.0	$30,211.90	$30,869.47	$657.58	2.18%	$59,713.48	$59,713.48	$0.00	0.00%	$89,925.38	$90,582.95	$657.58	0.73%
2,304,000	60%	4,000.0	$34,234.10	$34,891.68	$657.58	1.92%	$87,926.34	$87,926.34	$0.00	0.00%	$122,160.44	$122,818.02	$657.58	0.54%
2,304,000	50%	4,000.0	$34,234.10	$34,891.68	$657.58	1.92%	$83,772.16	$83,772.16	$0.00	0.00%	$118,006.26	$118,663.84	$657.58	0.56%
2,304,000	40%	4,000.0	$34,234.10	$34,891.68	$657.58	1.92%	$79,617.98	$79,617.98	$0.00	0.00%	$113,852.08	$114,509.66	$657.58	0.58%
3,888,000	60%	11,500.0	$70,770.22	$71,700.53	$930.30	1.31%	$148,375.70	$148,375.70	$0.00	0.00%	$219,145.92	$220,076.23	$930.30	0.42%
3,888,000	50%	11,500.0	$70,770.22	$71,700.53	$930.30	1.31%	$141,365.52	$141,365.52	$0.00	0.00%	$212,135.74	$213,066.05	$930.30	0.44%
3,888,000	40%	11,500.0	$70,770.22	$71,700.53	$930.30	1.31%	$134,355.34	$134,355.34	$0.00	0.00%	$205,125.56	$206,055.87	$930.30	0.45%
6,300,000	60%	12,000.0	$89,311.54	$90,260.02	$948.48	1.06%	$240,423.59	$240,423.59	$0.00	0.00%	$329,735.13	$330,683.61	$948.48	0.29%
6,300,000	50%	12,000.0	$89,311.54	$90,260.02	$948.48	1.06%	$229,064.50	$229,064.50	$0.00	0.00%	$318,376.04	$319,324.52	$948.48	0.30%
6,300,000	40%	12,000.0	$89,311.54	$90,260.02	$948.48	1.06%	$217,705.41	$217,705.41	$0.00	0.00%	$307,016.95	$307,965.43	$948.48	0.31%
7,776,000	60%	13,500.0	$104,713.45	$105,716.48	$1,003.03	0.96%	$296,751.40	$296,751.40	$0.00	0.00%	$401,464.85	$402,467.88	$1,003.03	0.25%
7,776,000	50%	13,500.0	$104,713.45	$105,716.48	$1,003.03	0.96%	$282,731.04	$282,731.04	$0.00	0.00%	$387,444.49	$388,447.52	$1,003.03	0.26%
7,776,000	40%	13,500.0	$104,713.45	$105,716.48	$1,003.03	0.96%	$268,710.67	$268,710.67	$0.00	0.00%	$373,424.12	$374,427.15	$1,003.03	0.27%

Current

Customer Charge		$4,513.00
T&D Demand Charge	kW x	$3.32
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04019
Commodity Energy Charge Off Peak	kWh x	$0.02234
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		$5,020.00
T&D Demand Charge	kW x	$3.36
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04019
Commodity Energy Charge Off Peak	kWh x	$0.02234
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GRT.
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$131.62	$134.57	$2.95	2.24%	$39.63	$39.72	$0.09	0.23%	$171.25	$174.29	$3.04	1.78%
1,512	7.0	$134.44	$137.66	$3.22	2.40%	$59.44	$59.58	$0.14	0.24%	$193.88	$197.24	$3.36	1.73%
2,016	7.0	$137.27	$140.76	$3.49	2.54%	$79.25	$79.44	$0.19	0.24%	$216.52	$220.20	$3.68	1.70%
2,520	7.0	$140.09	$143.85	$3.76	2.68%	$99.06	$99.30	$0.24	0.24%	$239.15	$243.15	$4.00	1.67%
2,160	15.0	$221.41	$227.72	$6.31	2.85%	$84.91	$85.11	$0.20	0.24%	$306.32	$312.83	$6.51	2.13%
3,240	15.0	$227.46	$234.36	$6.90	3.03%	$127.37	$127.67	$0.30	0.24%	$354.83	$362.03	$7.20	2.03%
4,320	15.0	$233.52	$240.99	$7.47	3.20%	$169.82	$170.22	$0.40	0.24%	$403.34	$411.21	$7.87	1.95%
5,400	15.0	$239.57	$247.63	$8.06	3.36%	$212.28	$212.78	$0.50	0.24%	$451.85	$460.41	$8.56	1.89%
3,600	25.0	$333.65	$344.17	$10.52	3.15%	$141.52	$141.85	$0.33	0.23%	$475.17	$486.02	$10.85	2.28%
5,400	25.0	$343.74	$355.23	$11.49	3.34%	$212.28	$212.78	$0.50	0.24%	$556.02	$568.01	$11.99	2.16%
7,000	25.0	$352.71	$365.06	$12.35	3.50%	$275.17	$275.82	$0.65	0.24%	$627.88	$640.88	$13.00	2.07%
9,000	25.0	$363.92	$377.35	$13.43	3.69%	$353.80	$354.63	$0.83	0.23%	$717.72	$731.98	$14.26	1.99%
5,760	40.0	$502.01	$518.85	$16.84	3.35%	$226.43	$226.96	$0.53	0.23%	$728.44	$745.81	$17.37	2.38%
8,640	40.0	$518.15	$536.54	$18.39	3.55%	$339.64	$340.45	$0.81	0.24%	$857.79	$876.99	$19.20	2.24%
11,520	40.0	$534.29	$554.23	$19.94	3.73%	$452.86	$453.93	$1.07	0.24%	$987.15	$1,008.16	$21.01	2.13%
14,400	40.0	$550.43	$571.93	$21.50	3.91%	$566.07	$567.41	$1.34	0.24%	$1,116.50	$1,139.34	$22.84	2.05%
8,640	60.0	$726.49	$751.75	$25.26	3.48%	$339.64	$340.45	$0.81	0.24%	$1,066.13	$1,092.20	$26.07	2.45%
12,960	60.0	$750.70	$778.29	$27.59	3.68%	$509.47	$510.67	$1.20	0.24%	$1,260.17	$1,288.96	$28.79	2.28%
17,280	60.0	$774.91	$804.83	$29.92	3.86%	$679.29	$680.89	$1.60	0.24%	$1,454.20	$1,485.72	$31.52	2.17%
21,600	60.0	$799.13	$831.36	$32.23	4.03%	$849.11	$851.12	$2.01	0.24%	$1,648.24	$1,682.48	$34.24	2.08%
11,520	80.0	$950.97	$984.65	$33.68	3.54%	$452.86	$453.93	$1.07	0.24%	$1,403.83	$1,438.58	$34.75	2.48%
17,280	80.0	$983.25	$1,020.03	$36.78	3.74%	$679.29	$680.89	$1.60	0.24%	$1,662.54	$1,700.92	$38.38	2.31%
23,040	80.0	$1,015.54	$1,055.42	$39.88	3.93%	$905.72	$907.86	$2.14	0.24%	$1,921.26	$1,963.28	$42.02	2.19%
28,800	80.0	$1,047.82	$1,090.80	$42.98	4.10%	$1,132.15	$1,134.82	$2.67	0.24%	$2,179.97	$2,225.62	$45.65	2.09%
14,400	100.0	$1,175.45	$1,217.55	$42.10	3.58%	$566.07	$567.41	$1.34	0.24%	$1,741.52	$1,784.96	$43.44	2.49%
21,600	100.0	$1,215.80	$1,261.78	$45.98	3.78%	$849.11	$851.12	$2.01	0.24%	$2,064.91	$2,112.90	$47.99	2.32%
28,800	100.0	$1,256.16	$1,306.01	$49.85	3.97%	$1,132.15	$1,134.82	$2.67	0.24%	$2,388.31	$2,440.83	$52.52	2.20%
36,000	100.0	$1,296.51	$1,350.24	$53.73	4.14%	$1,415.18	$1,418.53	$3.35	0.24%	$2,711.69	$2,768.77	$57.08	2.10%

Current

Customer Charge		52.52
T&D Demand Charge	kW x	$10.27
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03511
Transmission Revenue Adjustment Charge	kWh x	($0.00312)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Merchant Function Charge	kWh x	$0.00051
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		52.52
T&D Demand Charge	kW x	$10.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03511
Transmission Revenue Adjustment Charge	kWh x	($0.00078)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Merchant Function Charge	kWh x	$0.00060
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,457.22	$1,543.34	$86.12	5.91%	$1,124.58	$1,127.26	$2.68	0.24%	$2,581.80	$2,670.60	$88.80	3.44%
36,000	100.0	$1,501.47	$1,588.32	$86.85	5.78%	$1,405.73	$1,409.07	$3.34	0.24%	$2,907.20	$2,997.39	$90.19	3.10%
43,200	100.0	$1,545.72	$1,633.30	$87.58	5.67%	$1,686.87	$1,690.89	$4.02	0.24%	$3,232.59	$3,324.19	$91.60	2.83%
57,600	100.0	$1,634.22	$1,723.26	$89.04	5.45%	$2,249.16	$2,254.52	$5.36	0.24%	$3,883.38	$3,977.78	$94.40	2.43%
57,600	200.0	$2,651.66	$2,758.40	$106.73	4.03%	$2,249.16	$2,254.52	$5.36	0.24%	$4,900.82	$5,012.92	$112.09	2.29%
72,000	200.0	$2,740.16	$2,848.36	$108.19	3.95%	$2,811.45	$2,818.15	$6.70	0.24%	$5,551.61	$5,666.51	$114.89	2.07%
86,400	200.0	$2,828.66	$2,938.32	$109.65	3.88%	$3,373.75	$3,381.78	$8.03	0.24%	$6,202.41	$6,320.10	$117.68	1.90%
115,200	200.0	$3,005.66	$3,118.24	$112.58	3.75%	$4,498.33	$4,509.04	$10.71	0.24%	$7,503.99	$7,627.28	$123.29	1.64%
72,000	250.0	$3,248.89	$3,365.92	$117.04	3.60%	$2,811.45	$2,818.15	$6.70	0.24%	$6,060.34	$6,184.07	$123.74	2.04%
90,000	250.0	$3,359.51	$3,478.37	$118.86	3.54%	$3,514.32	$3,522.68	$8.36	0.24%	$6,873.83	$7,001.05	$127.22	1.85%
100,000	250.0	$3,420.97	$3,540.85	$119.88	3.50%	$3,904.80	$3,914.09	$9.29	0.24%	$7,325.77	$7,454.94	$129.17	1.76%
144,000	250.0	$3,691.38	$3,815.72	$124.34	3.37%	$5,622.91	$5,636.29	$13.38	0.24%	$9,314.29	$9,452.01	$137.72	1.48%
144,000	500.0	$6,234.99	$6,403.56	$168.57	2.70%	$5,622.91	$5,636.29	$13.38	0.24%	$11,857.90	$12,039.85	$181.95	1.53%
180,000	500.0	$6,456.24	$6,628.47	$172.22	2.67%	$7,028.64	$7,045.37	$16.73	0.24%	$13,484.88	$13,673.84	$188.95	1.40%
216,000	500.0	$6,677.49	$6,853.37	$175.88	2.63%	$8,434.36	$8,454.44	$20.08	0.24%	$15,111.85	$15,307.81	$195.96	1.30%
288,000	500.0	$7,119.99	$7,303.17	$183.18	2.57%	$11,245.82	$11,272.59	$26.77	0.24%	$18,365.81	$18,575.76	$209.95	1.14%
216,000	750.0	$9,221.10	$9,441.21	$220.10	2.39%	$8,434.36	$8,454.44	$20.08	0.24%	$17,655.46	$17,895.65	$240.18	1.36%
270,000	750.0	$9,552.97	$9,778.56	$225.58	2.36%	$10,542.95	$10,568.05	$25.10	0.24%	$20,095.92	$20,346.61	$250.68	1.25%
324,000	750.0	$9,884.85	$10,115.91	$231.06	2.34%	$12,651.55	$12,681.66	$30.11	0.24%	$22,536.40	$22,797.57	$261.17	1.16%
432,000	750.0	$10,548.59	$10,790.61	$242.02	2.29%	$16,868.73	$16,908.88	$40.15	0.24%	$27,417.32	$27,699.49	$282.17	1.03%
432,000	1,500.0	$18,179.43	$18,554.13	$374.70	2.06%	$16,868.73	$16,908.88	$40.15	0.24%	$35,048.16	$35,463.01	$414.85	1.18%
540,000	1,500.0	$18,843.17	$19,228.83	$385.66	2.05%	$21,085.91	$21,136.10	$50.19	0.24%	$39,929.08	$40,364.93	$435.85	1.09%
648,000	1,500.0	$19,506.91	$19,903.53	$396.62	2.03%	$25,303.09	$25,363.32	$60.23	0.24%	$44,810.00	$45,266.85	$456.85	1.02%
864,000	1,500.0	$20,834.40	$21,252.93	$418.53	2.01%	$33,737.45	$33,817.77	$80.32	0.24%	$54,571.85	$55,070.70	$498.85	0.91%
576,000	2,000.0	$24,151.65	$24,629.41	$477.76	1.98%	$22,491.64	$22,545.18	$53.54	0.24%	$46,643.29	$47,174.59	$531.30	1.14%
720,000	2,000.0	$25,036.64	$25,529.01	$492.38	1.97%	$28,114.55	$28,181.47	$66.92	0.24%	$53,151.19	$53,710.48	$559.30	1.05%
864,000	2,000.0	$25,921.63	$26,428.61	$506.99	1.96%	$33,737.45	$33,817.77	$80.32	0.24%	$59,659.08	$60,246.38	$587.31	0.98%
1,152,000	2,000.0	$27,691.61	$28,227.82	$536.21	1.94%	$44,983.27	$45,090.35	$107.08	0.24%	$72,674.88	$73,318.17	$643.29	0.89%

Current

Customer Charge		260.15
T&D Demand Charge	kW x	$10.03
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03485
Transmission Revenue Adjustment Charge	kWh x	($0.00254)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007459
Merchant Function Charge	kWh x	$0.00051
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		325.00
T&D Demand Charge	kW x	$10.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03485
Transmission Revenue Adjustment Charge	kWh x	($0.00064)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005661
NYPA ETIP Credit	kW x	($0.005)
Merchant Function Charge	kWh x	$0.00060
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,449.61	$1,488.20	$38.59	2.66%	$1,092.87	$1,095.55	$2.68	0.25%	$2,542.48	$2,583.75	$41.27	1.62%
36,000	100.0	$1,494.85	$1,532.30	$37.46	2.51%	$1,366.09	$1,369.44	$3.35	0.25%	$2,860.94	$2,901.74	$40.81	1.43%
43,200	100.0	$1,540.08	$1,576.41	$36.32	2.36%	$1,639.31	$1,643.32	$4.01	0.24%	$3,179.39	$3,219.73	$40.33	1.27%
57,600	100.0	$1,630.56	$1,664.62	$34.06	2.09%	$2,185.75	$2,191.10	$5.35	0.24%	$3,816.31	$3,855.72	$39.41	1.03%
57,600	200.0	$2,458.11	$2,535.29	$77.18	3.14%	$2,185.75	$2,191.10	$5.35	0.24%	$4,643.86	$4,726.39	$82.53	1.78%
72,000	200.0	$2,548.58	$2,623.50	$74.92	2.94%	$2,732.18	$2,738.87	$6.69	0.24%	$5,280.76	$5,362.37	$81.61	1.55%
86,400	200.0	$2,639.06	$2,711.71	$72.65	2.75%	$3,278.62	$3,286.65	$8.03	0.24%	$5,917.68	$5,998.36	$80.68	1.36%
115,200	200.0	$2,820.01	$2,888.12	$68.11	2.42%	$4,371.49	$4,382.20	$10.71	0.24%	$7,191.50	$7,270.32	$78.82	1.10%
72,000	250.0	$2,962.35	$3,058.83	$96.48	3.26%	$2,732.18	$2,738.87	$6.69	0.24%	$5,694.53	$5,797.70	$103.17	1.81%
90,000	250.0	$3,075.45	$3,169.09	$93.64	3.04%	$3,415.23	$3,423.59	$8.36	0.24%	$6,490.68	$6,592.68	$102.00	1.57%
108,000	250.0	$3,188.54	$3,279.35	$90.81	2.85%	$4,098.27	$4,108.31	$10.04	0.24%	$7,286.81	$7,387.66	$100.85	1.38%
144,000	250.0	$3,414.73	$3,499.87	$85.14	2.49%	$5,464.36	$5,477.75	$13.39	0.25%	$8,879.09	$8,977.62	$98.53	1.11%
144,000	500.0	$5,483.60	$5,676.55	$192.96	3.52%	$5,464.36	$5,477.75	$13.39	0.25%	$10,947.96	$11,154.30	$206.35	1.88%
180,000	500.0	$5,709.79	$5,897.08	$187.29	3.28%	$6,830.45	$6,847.19	$16.74	0.25%	$12,540.24	$12,744.27	$204.03	1.63%
225,000	500.0	$5,992.52	$6,172.73	$180.20	3.01%	$8,538.07	$8,558.98	$20.91	0.24%	$14,530.59	$14,731.71	$201.11	1.38%
288,000	500.0	$6,388.35	$6,558.64	$170.28	2.67%	$10,928.73	$10,955.50	$26.77	0.24%	$17,317.08	$17,514.14	$197.05	1.14%
216,000	750.0	$8,004.84	$8,294.28	$289.43	3.62%	$8,196.55	$8,216.62	$20.07	0.24%	$16,201.39	$16,510.90	$309.50	1.91%
270,000	750.0	$8,344.12	$8,625.06	$280.93	3.37%	$10,245.68	$10,270.78	$25.10	0.24%	$18,589.80	$18,895.84	$306.03	1.65%
324,000	750.0	$8,683.41	$8,955.84	$272.43	3.14%	$12,294.82	$12,324.93	$30.11	0.24%	$20,978.23	$21,280.77	$302.54	1.44%
432,000	750.0	$9,361.97	$9,617.40	$255.43	2.73%	$16,393.09	$16,433.25	$40.16	0.24%	$25,755.06	$26,050.65	$295.59	1.15%
432,000	1,500.0	$15,568.57	$16,147.44	$578.87	3.72%	$16,393.09	$16,433.25	$40.16	0.24%	$31,961.66	$32,580.69	$619.03	1.94%
540,000	1,500.0	$16,247.14	$16,809.00	$561.87	3.46%	$20,491.36	$20,541.56	$50.20	0.24%	$36,738.50	$37,350.56	$612.07	1.67%
648,000	1,500.0	$16,925.71	$17,470.57	$544.86	3.22%	$24,589.64	$24,649.87	$60.23	0.24%	$41,515.35	$42,120.44	$605.09	1.46%
864,000	1,500.0	$18,282.84	$18,793.69	$510.85	2.79%	$32,786.18	$32,866.49	$80.31	0.24%	$51,069.02	$51,660.18	$591.16	1.16%
576,000	2,000.0	$20,611.06	$21,382.88	$771.83	3.74%	$21,857.45	$21,911.00	$53.55	0.24%	$42,468.51	$43,293.88	$825.38	1.94%
720,000	2,000.0	$21,515.81	$22,264.97	$749.15	3.48%	$27,321.82	$27,388.74	$66.92	0.24%	$48,837.63	$49,653.71	$816.07	1.67%
864,000	2,000.0	$22,420.57	$23,147.05	$726.48	3.24%	$32,786.18	$32,866.49	$80.31	0.24%	$55,206.75	$56,013.54	$806.79	1.46%
1,152,000	2,000.0	$24,230.08	$24,911.22	$681.14	2.81%	$43,714.91	$43,821.99	$107.08	0.24%	$67,944.99	$68,733.21	$788.22	1.16%

Current

Customer Charge		436.70
T&D Demand Charge	kW x	$8.15
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03376
Transmission Revenue Adjustment Charge	kWh x	($0.00213)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007193
Merchant Function Charge	kWh x	$0.00051
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		436.70
T&D Demand Charge	kW x	$8.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03376
Transmission Revenue Adjustment Charge	kWh x	($0.00056)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005460
NYPA ETIP Credit	kW x	($0.03)
Merchant Function Charge	kWh x	$0.00060
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,011.82	$1,055.53	$43.71	4.32%	$1,071.35	$1,074.02	$2.67	0.25%	$2,083.17	$2,129.55	$46.38	2.23%
36,000	100.0	$1,051.01	$1,092.82	$41.81	3.98%	$1,339.18	$1,342.53	$3.35	0.25%	$2,390.19	$2,435.35	$45.16	1.89%
43,200	100.0	$1,090.20	$1,130.11	$39.92	3.66%	$1,607.02	$1,611.03	$4.01	0.25%	$2,697.22	$2,741.14	$43.93	1.63%
57,600	100.0	$1,168.58	$1,204.70	$36.12	3.09%	$2,142.69	$2,148.04	$5.35	0.25%	$3,311.27	$3,352.74	$41.47	1.25%
57,600	200.0	$1,452.69	$1,465.60	$12.91	0.89%	$2,142.69	$2,148.04	$5.35	0.25%	$3,595.38	$3,613.64	$18.26	0.51%
72,000	200.0	$1,531.08	$1,540.19	$9.11	0.60%	$2,678.36	$2,685.06	$6.70	0.25%	$4,209.44	$4,225.25	$15.81	0.38%
86,400	200.0	$1,609.46	$1,614.77	$5.32	0.33%	$3,214.04	$3,222.07	$8.03	0.25%	$4,823.50	$4,836.84	$13.35	0.28%
115,200	200.0	$1,766.23	$1,763.95	($2.28)	-0.13%	$4,285.38	$4,296.09	$10.71	0.25%	$6,051.61	$6,060.04	$8.43	0.14%
72,000	250.0	$1,673.13	$1,670.64	($2.49)	-0.15%	$2,678.36	$2,685.06	$6.70	0.25%	$4,351.49	$4,355.70	$4.21	0.10%
90,000	250.0	$1,771.11	$1,763.87	($7.24)	-0.41%	$3,347.95	$3,356.32	$8.37	0.25%	$5,119.06	$5,120.19	$1.13	0.02%
108,000	250.0	$1,869.09	$1,857.10	($11.99)	-0.64%	$4,017.55	$4,027.58	$10.03	0.25%	$5,886.64	$5,884.68	($1.96)	-0.03%
144,000	250.0	$2,065.05	$2,043.57	($21.48)	-1.04%	$5,356.73	$5,370.11	$13.38	0.25%	$7,421.78	$7,413.68	($8.10)	-0.11%
144,000	500.0	$2,775.33	$2,695.83	($79.50)	-2.86%	$5,356.73	$5,370.11	$13.38	0.25%	$8,132.06	$8,065.94	($66.12)	-0.81%
180,000	500.0	$2,971.28	$2,882.29	($88.99)	-3.00%	$6,695.91	$6,712.64	$16.73	0.25%	$9,667.19	$9,594.93	($72.26)	-0.75%
216,000	500.0	$3,167.24	$3,068.76	($98.49)	-3.11%	$8,035.09	$8,055.17	$20.08	0.25%	$11,202.33	$11,123.93	($78.41)	-0.70%
288,000	500.0	$3,559.15	$3,441.68	($117.47)	-3.30%	$10,713.45	$10,740.22	$26.77	0.25%	$14,272.60	$14,181.90	($90.70)	-0.64%
216,000	800.0	$4,019.58	$3,851.47	($168.11)	-4.18%	$8,035.09	$8,055.17	$20.08	0.25%	$12,054.67	$11,906.64	($148.03)	-1.23%
270,000	800.0	$4,313.51	$4,131.16	($182.35)	-4.23%	$10,043.86	$10,068.96	$25.10	0.25%	$14,357.37	$14,200.12	($157.25)	-1.10%
320,000	800.0	$4,585.67	$4,390.14	($195.53)	-4.26%	$11,903.84	$11,933.58	$29.74	0.25%	$16,489.51	$16,323.72	($165.79)	-1.01%
432,000	800.0	$5,195.32	$4,970.25	($225.07)	-4.33%	$16,070.18	$16,110.34	$40.16	0.25%	$21,265.50	$21,080.59	($184.91)	-0.87%
432,000	1,500.0	$7,184.10	$6,796.57	($387.53)	-5.39%	$16,070.18	$16,110.34	$40.16	0.25%	$23,254.28	$22,906.91	($347.37)	-1.49%
540,000	1,500.0	$7,771.97	$7,355.96	($416.01)	-5.35%	$20,087.73	$20,137.92	$50.19	0.25%	$27,859.70	$27,493.88	($365.82)	-1.31%
648,000	1,500.0	$8,359.84	$7,915.36	($444.49)	-5.32%	$24,105.27	$24,165.51	$60.24	0.25%	$32,465.11	$32,080.87	($384.25)	-1.18%
864,000	1,500.0	$9,535.58	$9,034.14	($501.44)	-5.26%	$32,140.36	$32,220.67	$80.31	0.25%	$41,675.94	$41,254.81	($421.13)	-1.01%
576,000	2,000.0	$9,388.49	$8,846.95	($541.54)	-5.77%	$21,426.91	$21,480.45	$53.54	0.25%	$30,815.40	$30,327.40	($488.00)	-1.58%
720,000	2,000.0	$10,172.32	$9,592.80	($579.51)	-5.70%	$26,783.64	$26,850.56	$66.92	0.25%	$36,955.96	$36,443.36	($512.59)	-1.39%
864,000	2,000.0	$10,956.14	$10,338.66	($617.49)	-5.64%	$32,140.36	$32,220.67	$80.31	0.25%	$43,096.50	$42,559.33	($537.18)	-1.25%
1,152,000	2,000.0	$12,523.80	$11,830.37	($693.43)	-5.54%	$42,853.82	$42,960.90	$107.08	0.25%	$55,377.62	$54,791.27	($586.35)	-1.06%

Current

Customer Charge		$565.23
T&D Demand Charge	kW x	$2.77
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03302
Transmission Revenue Adjustment Charge	kWh x	($0.00171)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005938
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03302
Transmission Revenue Adjustment Charge	kWh x	($0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	$0.004507
NYPA ETIP Credit	kW x	($0.14)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,000.48	$1,038.52	$38.05	3.80%	$1,076.58	$1,079.26	$2.68	0.25%	$2,077.06	$2,117.78	$40.73	1.96%
36,000	100.0	$1,036.83	$1,072.79	$35.96	3.47%	$1,345.73	$1,349.07	$3.34	0.25%	$2,382.56	$2,421.86	$39.30	1.65%
43,200	100.0	$1,073.19	$1,107.06	$33.87	3.16%	$1,614.87	$1,618.89	$4.02	0.25%	$2,688.06	$2,725.95	$37.89	1.41%
57,600	100.0	$1,145.90	$1,175.60	$29.70	2.59%	$2,153.16	$2,158.52	$5.36	0.25%	$3,299.06	$3,334.12	$35.06	1.06%
57,600	200.0	$1,430.01	$1,431.59	$1.58	0.11%	$2,153.16	$2,158.52	$5.36	0.25%	$3,583.17	$3,590.11	$6.94	0.19%
72,000	200.0	$1,502.73	$1,500.13	($2.59)	-0.17%	$2,691.45	$2,698.15	$6.70	0.25%	$4,194.18	$4,198.28	$4.11	0.10%
86,400	200.0	$1,575.44	$1,568.67	($6.77)	-0.43%	$3,229.75	$3,237.78	$8.03	0.25%	$4,805.19	$4,806.45	$1.26	0.03%
115,200	200.0	$1,720.86	$1,705.75	($15.11)	-0.88%	$4,306.33	$4,317.04	$10.71	0.25%	$6,027.19	$6,022.79	($4.40)	-0.07%
72,000	250.0	$1,644.78	$1,628.13	($16.66)	-1.01%	$2,691.45	$2,698.15	$6.70	0.25%	$4,336.23	$4,326.28	($9.96)	-0.23%
90,000	250.0	$1,735.67	$1,713.80	($21.87)	-1.26%	$3,364.32	$3,372.68	$8.36	0.25%	$5,099.99	$5,086.48	($13.51)	-0.26%
108,000	250.0	$1,826.56	$1,799.48	($27.09)	-1.48%	$4,037.18	$4,047.22	$10.04	0.25%	$5,863.74	$5,846.70	($17.05)	-0.29%
144,000	250.0	$2,008.34	$1,970.82	($37.52)	-1.87%	$5,382.91	$5,396.29	$13.38	0.25%	$7,391.25	$7,367.11	($24.14)	-0.33%
144,000	500.0	$2,718.62	$2,610.80	($107.83)	-3.97%	$5,382.91	$5,396.29	$13.38	0.25%	$8,101.53	$8,007.09	($94.45)	-1.17%
180,000	500.0	$2,900.40	$2,782.15	($118.26)	-4.08%	$6,728.64	$6,745.37	$16.73	0.25%	$9,629.04	$9,527.52	($101.53)	-1.05%
216,000	500.0	$3,082.19	$2,953.50	($128.69)	-4.18%	$8,074.36	$8,094.44	$20.08	0.25%	$11,156.55	$11,047.94	($108.61)	-0.97%
288,000	500.0	$3,445.75	$3,296.19	($149.55)	-4.34%	$10,765.82	$10,792.59	$26.77	0.25%	$14,211.57	$14,088.78	($122.78)	-0.86%
216,000	800.0	$3,934.52	$3,721.46	($213.06)	-5.42%	$8,074.36	$8,094.44	$20.08	0.25%	$12,008.88	$11,815.90	($192.98)	-1.61%
270,000	800.0	$4,207.19	$3,978.49	($228.71)	-5.44%	$10,092.95	$10,118.05	$25.10	0.25%	$14,300.14	$14,096.54	($203.61)	-1.42%
320,000	800.0	$4,459.67	$4,216.47	($243.19)	-5.45%	$11,962.02	$11,991.77	$29.75	0.25%	$16,421.69	$16,208.24	($213.44)	-1.30%
432,000	800.0	$5,025.21	$4,749.56	($275.65)	-5.49%	$16,148.73	$16,188.88	$40.15	0.25%	$21,173.94	$20,938.44	($235.50)	-1.11%
432,000	1,500.0	$7,013.99	$6,541.48	($472.51)	-6.74%	$16,148.73	$16,188.88	$40.15	0.25%	$23,162.72	$22,730.36	($432.36)	-1.87%
540,000	1,500.0	$7,559.33	$7,055.53	($503.80)	-6.66%	$20,185.91	$20,236.10	$50.19	0.25%	$27,745.24	$27,291.63	($453.61)	-1.63%
648,000	1,500.0	$8,104.68	$7,569.58	($535.10)	-6.60%	$24,223.09	$24,283.32	$60.23	0.25%	$32,327.77	$31,852.90	($474.87)	-1.47%
864,000	1,500.0	$9,195.36	$8,597.67	($597.69)	-6.50%	$32,297.45	$32,377.77	$80.32	0.25%	$41,492.81	$40,975.44	($517.37)	-1.25%
576,000	2,000.0	$9,161.68	$8,506.83	($654.85)	-7.15%	$21,531.64	$21,585.18	$53.54	0.25%	$30,693.32	$30,092.01	($601.31)	-1.96%
720,000	2,000.0	$9,888.80	$9,192.22	($696.58)	-7.04%	$26,914.55	$26,981.47	$66.92	0.25%	$36,803.35	$36,173.69	($629.66)	-1.71%
864,000	2,000.0	$10,615.92	$9,877.62	($738.30)	-6.95%	$32,297.45	$32,377.77	$80.32	0.25%	$42,913.37	$42,255.39	($657.98)	-1.53%
1,152,000	2,000.0	$12,070.17	$11,248.41	($821.76)	-6.81%	$43,063.27	$43,170.35	$107.08	0.25%	$55,133.44	$54,418.76	($714.68)	-1.30%

Current

Customer Charge		565.23
T&D Demand Charge	kW x	$2.77
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03320
Transmission Revenue Adjustment Charge	kWh x	($0.00155)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005390
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.003298
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge	kWh x	$0.03320
Transmission Revenue Adjustment Charge	kWh x	($0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	$0.004091
NYPA ETIP Credit	kW x	($0.19)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$28,854.01	$30,199.45	$1,345.43	4.66%	$28,354.55	$28,421.47	$66.92	0.24%	$57,208.56	$58,620.92	$1,412.35	2.47%
720,000	50%	2,500.0	$28,854.01	$30,199.45	$1,345.43	4.66%	$26,961.82	$27,028.74	$66.92	0.25%	$55,815.83	$57,228.19	$1,412.35	2.53%
720,000	40%	2,500.0	$28,854.01	$30,199.45	$1,345.43	4.66%	$25,569.09	$25,636.02	$66.93	0.26%	$54,423.10	$55,835.47	$1,412.36	2.60%
1,250,000	60%	2,500.0	$32,206.44	$33,550.87	$1,344.43	4.17%	$49,226.64	$49,342.83	$116.19	0.24%	$81,433.08	$82,893.70	$1,460.62	1.79%
1,250,000	50%	2,500.0	$32,206.44	$33,550.87	$1,344.43	4.17%	$46,808.71	$46,924.90	$116.19	0.25%	$79,015.15	$80,475.77	$1,460.62	1.85%
1,250,000	40%	2,500.0	$32,206.44	$33,550.87	$1,344.43	4.17%	$44,390.78	$44,506.97	$116.19	0.26%	$76,597.22	$78,057.84	$1,460.62	1.91%
1,440,000	60%	2,500.0	$33,408.25	$34,752.33	$1,344.07	4.02%	$56,709.09	$56,842.94	$133.85	0.24%	$90,117.34	$91,595.27	$1,477.92	1.64%
1,440,000	50%	2,500.0	$33,408.25	$34,752.33	$1,344.07	4.02%	$53,923.64	$54,057.49	$133.85	0.25%	$87,331.89	$88,809.82	$1,477.92	1.69%
1,440,000	40%	2,500.0	$33,408.25	$34,752.33	$1,344.07	4.02%	$51,138.18	$51,272.03	$133.85	0.26%	$84,546.43	$86,024.36	$1,477.92	1.75%
1,008,000	60%	3,500.0	$39,991.58	$41,740.51	$1,748.93	4.37%	$39,696.36	$39,790.06	$93.70	0.24%	$79,687.94	$81,530.57	$1,842.63	2.31%
1,008,000	50%	3,500.0	$39,991.58	$41,740.51	$1,748.93	4.37%	$37,746.55	$37,840.24	$93.69	0.25%	$77,738.13	$79,580.75	$1,842.62	2.37%
1,008,000	40%	3,500.0	$39,991.58	$41,740.51	$1,748.93	4.37%	$35,796.73	$35,890.42	$93.69	0.26%	$75,788.31	$77,630.93	$1,842.62	2.43%
1,512,000	60%	3,500.0	$43,179.55	$44,927.52	$1,747.97	4.05%	$59,544.55	$59,685.09	$140.54	0.24%	$102,724.10	$104,612.61	$1,888.51	1.84%
1,512,000	50%	3,500.0	$43,179.55	$44,927.52	$1,747.97	4.05%	$56,619.82	$56,760.36	$140.54	0.25%	$99,799.37	$101,687.88	$1,888.51	1.89%
1,512,000	40%	3,500.0	$43,179.55	$44,927.52	$1,747.97	4.05%	$53,695.09	$53,835.64	$140.55	0.26%	$96,874.64	$98,763.16	$1,888.52	1.95%
2,016,000	60%	3,500.0	$46,367.52	$48,114.54	$1,747.02	3.77%	$79,392.73	$79,580.12	$187.39	0.24%	$125,760.25	$127,694.66	$1,934.41	1.54%
2,016,000	50%	3,500.0	$46,367.52	$48,114.54	$1,747.02	3.77%	$75,493.09	$75,680.48	$187.39	0.25%	$121,860.61	$123,795.02	$1,934.41	1.59%
2,016,000	40%	3,500.0	$46,367.52	$48,114.54	$1,747.02	3.77%	$71,593.45	$71,780.85	$187.40	0.26%	$117,960.97	$119,895.39	$1,934.42	1.64%
1,152,000	60%	4,000.0	$45,560.36	$47,511.03	$1,950.68	4.28%	$45,367.27	$45,474.35	$107.08	0.24%	$90,927.63	$92,985.38	$2,057.76	2.26%
1,152,000	50%	4,000.0	$45,560.36	$47,511.03	$1,950.68	4.28%	$43,138.91	$43,245.99	$107.08	0.25%	$88,699.27	$90,757.02	$2,057.76	2.32%
1,152,000	40%	4,000.0	$45,560.36	$47,511.03	$1,950.68	4.28%	$40,910.55	$41,017.63	$107.08	0.26%	$86,470.91	$88,528.66	$2,057.76	2.38%
1,728,000	60%	4,000.0	$49,203.75	$51,153.34	$1,949.59	3.96%	$68,050.91	$68,211.53	$160.62	0.24%	$117,254.66	$119,364.87	$2,110.21	1.80%
1,728,000	50%	4,000.0	$49,203.75	$51,153.34	$1,949.59	3.96%	$64,708.36	$64,868.99	$160.63	0.25%	$113,912.11	$116,022.33	$2,110.22	1.85%
1,728,000	40%	4,000.0	$49,203.75	$51,153.34	$1,949.59	3.96%	$61,365.82	$61,526.44	$160.62	0.26%	$110,569.57	$112,679.78	$2,110.21	1.91%
2,304,000	60%	4,000.0	$52,847.15	$54,795.64	$1,948.49	3.69%	$90,734.55	$90,948.71	$214.16	0.24%	$143,581.70	$145,744.35	$2,162.65	1.51%
2,304,000	50%	4,000.0	$52,847.15	$54,795.64	$1,948.49	3.69%	$86,277.82	$86,491.98	$214.16	0.25%	$139,124.97	$141,287.62	$2,162.65	1.55%
2,304,000	40%	4,000.0	$52,847.15	$54,795.64	$1,948.49	3.69%	$81,821.09	$82,035.25	$214.16	0.26%	$134,668.24	$136,830.89	$2,162.65	1.61%
3,888,000	60%	13,500.0	$151,367.22	$157,151.10	$5,783.88	3.82%	$153,114.55	$153,475.95	$361.40	0.24%	$304,481.77	$310,627.05	$6,145.28	2.02%
3,888,000	50%	13,500.0	$151,367.22	$157,151.10	$5,783.88	3.82%	$145,593.82	$145,955.22	$361.40	0.25%	$296,961.04	$303,106.32	$6,145.28	2.07%
3,888,000	40%	13,500.0	$151,367.22	$157,151.10	$5,783.88	3.82%	$138,073.09	$138,434.49	$361.40	0.26%	$289,440.31	$295,585.59	$6,145.28	2.12%
5,832,000	60%	13,500.0	$163,663.67	$169,443.87	$5,780.20	3.53%	$229,671.82	$230,213.92	$542.10	0.24%	$393,335.49	$399,657.79	$6,322.30	1.61%
5,832,000	50%	13,500.0	$163,663.67	$169,443.87	$5,780.20	3.53%	$218,390.73	$218,932.83	$542.10	0.25%	$382,054.40	$388,376.70	$6,322.30	1.65%
5,832,000	40%	13,500.0	$163,663.67	$169,443.87	$5,780.20	3.53%	$207,109.64	$207,651.74	$542.10	0.26%	$370,773.31	$377,095.61	$6,322.30	1.71%
7,776,000	60%	13,500.0	$175,960.13	$181,736.65	$5,776.52	3.28%	$306,229.09	$306,951.89	$722.80	0.24%	$482,189.22	$488,688.54	$6,499.32	1.35%
7,776,000	50%	13,500.0	$175,960.13	$181,736.65	$5,776.52	3.28%	$291,187.64	$291,910.44	$722.80	0.25%	$467,147.77	$473,647.09	$6,499.32	1.39%
7,776,000	40%	13,500.0	$175,960.13	$181,736.65	$5,776.52	3.28%	$276,146.18	$276,868.98	$722.80	0.26%	$452,106.31	$458,605.63	$6,499.32	1.44%

Current

Customer Charge		1,000.00
T&D Demand Charge	kW x	$9.18
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04284
Commodity Energy Charge Off Peak	kWh x	$0.02369
Transmission Revenue Adjustment Charge	kWh x	($0.00241)
Systems Benefits Charge (CEF/EES)	kWh x	$0.007511
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04284
Commodity Energy Charge Off Peak	kWh x	$0.02369
Transmission Revenue Adjustment Charge	kWh x	($0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery G
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$27,844.34	$28,484.11	$639.77	2.30%	$27,720.36	$27,787.29	$66.93	0.24%	$55,564.70	$56,271.40	$706.70	1.27%
720,000	50%	2,500.0	$27,844.34	$28,484.11	$639.77	2.30%	$26,372.73	$26,439.65	$66.92	0.25%	$54,217.07	$54,923.76	$706.69	1.30%
720,000	40%	2,500.0	$27,844.34	$28,484.11	$639.77	2.30%	$25,025.09	$25,092.02	$66.93	0.27%	$52,869.43	$53,576.13	$706.70	1.34%
1,250,000	60%	2,500.0	$30,453.54	$31,004.75	$551.21	1.81%	$48,125.63	$48,241.82	$116.19	0.24%	$78,579.17	$79,246.57	$667.40	0.85%
1,250,000	50%	2,500.0	$30,453.54	$31,004.75	$551.21	1.81%	$45,785.98	$45,902.18	$116.20	0.25%	$76,239.52	$76,906.93	$667.41	0.88%
1,250,000	40%	2,500.0	$30,453.54	$31,004.75	$551.21	1.81%	$43,446.34	$43,562.53	$116.19	0.27%	$73,899.88	$74,567.28	$667.40	0.90%
1,440,000	60%	2,500.0	$31,388.91	$31,908.37	$519.46	1.65%	$55,440.73	$55,574.58	$133.85	0.24%	$86,829.64	$87,482.95	$653.31	0.75%
1,440,000	50%	2,500.0	$31,388.91	$31,908.37	$519.46	1.65%	$52,745.45	$52,879.31	$133.86	0.25%	$84,134.36	$84,787.68	$653.32	0.78%
1,440,000	40%	2,500.0	$31,388.91	$31,908.37	$519.46	1.65%	$50,050.18	$50,184.03	$133.85	0.27%	$81,439.09	$82,092.40	$653.31	0.80%
1,008,000	60%	3,500.0	$38,578.03	$39,339.03	$761.00	1.97%	$38,808.51	$38,902.21	$93.70	0.24%	$77,386.54	$78,241.24	$854.70	1.10%
1,008,000	50%	3,500.0	$38,578.03	$39,339.03	$761.00	1.97%	$36,921.82	$37,015.51	$93.69	0.25%	$75,499.85	$76,354.54	$854.69	1.13%
1,008,000	40%	3,500.0	$38,578.03	$39,339.03	$761.00	1.97%	$35,035.13	$35,128.82	$93.69	0.27%	$73,613.16	$74,467.85	$854.69	1.16%
1,512,000	60%	3,500.0	$41,059.23	$41,736.02	$676.78	1.65%	$58,212.76	$58,353.31	$140.55	0.24%	$99,271.99	$100,089.33	$817.33	0.82%
1,512,000	50%	3,500.0	$41,059.23	$41,736.02	$676.78	1.65%	$55,382.73	$55,523.27	$140.54	0.25%	$96,441.96	$97,259.29	$817.32	0.85%
1,512,000	40%	3,500.0	$41,059.23	$41,736.02	$676.78	1.65%	$52,552.69	$52,693.24	$140.55	0.27%	$93,611.92	$94,429.26	$817.33	0.87%
2,016,000	60%	3,500.0	$43,540.43	$44,133.00	$592.57	1.36%	$77,617.02	$77,804.41	$187.39	0.24%	$121,157.45	$121,937.41	$779.96	0.64%
2,016,000	50%	3,500.0	$43,540.43	$44,133.00	$592.57	1.36%	$73,843.64	$74,031.03	$187.39	0.25%	$117,384.07	$118,164.03	$779.96	0.66%
2,016,000	40%	3,500.0	$43,540.43	$44,133.00	$592.57	1.36%	$70,070.25	$70,257.65	$187.40	0.27%	$113,610.68	$114,390.65	$779.97	0.69%
1,152,000	60%	4,000.0	$43,944.88	$44,766.50	$821.62	1.87%	$44,352.58	$44,459.66	$107.08	0.24%	$88,297.46	$89,226.16	$928.70	1.05%
1,152,000	50%	4,000.0	$43,944.88	$44,766.50	$821.62	1.87%	$42,196.36	$42,303.45	$107.09	0.25%	$86,141.24	$87,069.95	$928.71	1.08%
1,152,000	40%	4,000.0	$43,944.88	$44,766.50	$821.62	1.87%	$40,040.15	$40,147.23	$107.08	0.27%	$83,985.03	$84,913.73	$928.70	1.11%
1,728,000	60%	4,000.0	$46,780.54	$47,505.90	$725.37	1.55%	$66,528.87	$66,689.49	$160.62	0.24%	$113,309.41	$114,195.39	$885.99	0.78%
1,728,000	50%	4,000.0	$46,780.54	$47,505.90	$725.37	1.55%	$63,294.55	$63,455.17	$160.62	0.25%	$110,075.09	$110,961.07	$885.99	0.80%
1,728,000	40%	4,000.0	$46,780.54	$47,505.90	$725.37	1.55%	$60,060.22	$60,220.84	$160.62	0.27%	$106,840.76	$107,726.74	$885.99	0.83%
2,304,000	60%	4,000.0	$49,616.19	$50,245.31	$629.12	1.27%	$88,705.16	$88,919.33	$214.17	0.24%	$138,321.35	$139,164.64	$843.29	0.61%
2,304,000	50%	4,000.0	$49,616.19	$50,245.31	$629.12	1.27%	$84,392.73	$84,606.89	$214.16	0.25%	$134,008.92	$134,852.20	$843.28	0.63%
2,304,000	40%	4,000.0	$49,616.19	$50,245.31	$629.12	1.27%	$80,080.29	$80,294.45	$214.16	0.27%	$129,696.48	$130,539.76	$843.28	0.65%
3,888,000	60%	13,500.0	$145,914.98	$147,888.28	$1,973.30	1.35%	$149,689.96	$150,051.36	$361.40	0.24%	$295,604.94	$297,939.64	$2,334.70	0.79%
3,888,000	50%	13,500.0	$145,914.98	$147,888.28	$1,973.30	1.35%	$142,412.73	$142,774.13	$361.40	0.25%	$288,327.71	$290,662.41	$2,334.70	0.81%
3,888,000	40%	13,500.0	$145,914.98	$147,888.28	$1,973.30	1.35%	$135,135.49	$135,496.89	$361.40	0.27%	$281,050.47	$283,385.17	$2,334.70	0.83%
5,832,000	60%	13,500.0	$155,485.32	$157,133.78	$1,648.46	1.06%	$224,534.95	$225,077.05	$542.10	0.24%	$380,020.27	$382,210.83	$2,190.56	0.58%
5,832,000	50%	13,500.0	$155,485.32	$157,133.78	$1,648.46	1.06%	$213,619.09	$214,161.19	$542.10	0.25%	$369,104.41	$371,294.97	$2,190.56	0.59%
5,832,000	40%	13,500.0	$155,485.32	$157,133.78	$1,648.46	1.06%	$202,703.24	$203,245.34	$542.10	0.27%	$358,188.56	$360,379.12	$2,190.56	0.61%
7,776,000	60%	13,500.0	$165,055.66	$166,379.28	$1,323.63	0.80%	$299,379.93	$300,102.73	$722.80	0.24%	$464,435.59	$466,482.01	$2,046.43	0.44%
7,776,000	50%	13,500.0	$165,055.66	$166,379.28	$1,323.63	0.80%	$284,825.45	$285,548.25	$722.80	0.25%	$449,881.11	$451,927.53	$2,046.43	0.45%
7,776,000	40%	13,500.0	$165,055.66	$166,379.28	$1,323.63	0.80%	$270,270.98	$270,993.78	$722.80	0.27%	$435,326.64	$437,373.06	$2,046.43	0.47%

Current

Customer Charge		1,000.00
T&D Demand Charge	kW x	$9.18
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04172
Commodity Energy Charge Off Peak	kWh x	$0.02319
Transmission Revenue Adjustment Charge	kWh x	($0.00175)
Systems Benefits Charge (CEF/EES)	kWh x	$0.005466
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04172
Commodity Energy Charge Off Peak	kWh x	$0.02319
Transmission Revenue Adjustment Charge	kWh x	($0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	$0.004149
NYPA ETIP Credit	kW x	($0.23)
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,006.81	$14,836.70	($170.11)	-1.13%	$27,263.64	$27,330.56	$66.92	0.25%	$42,270.45	$42,167.26	($103.19)	-0.24%
720,000	50%	2,500.0	$15,006.81	$14,836.70	($170.11)	-1.13%	$25,954.55	$26,021.47	$66.92	0.26%	$40,961.36	$40,858.17	($103.19)	-0.25%
720,000	40%	2,500.0	$15,006.81	$14,836.70	($170.11)	-1.13%	$24,645.45	$24,712.38	$66.93	0.27%	$39,652.26	$39,549.08	($103.18)	-0.26%
1,080,000	60%	2,500.0	$17,254.27	$17,023.29	($230.98)	-1.34%	$40,895.45	$40,995.84	$100.39	0.25%	$58,149.72	$58,019.13	($130.59)	-0.22%
1,080,000	50%	2,500.0	$17,254.27	$17,023.29	($230.98)	-1.34%	$38,931.82	$39,032.21	$100.39	0.26%	$56,186.09	$56,055.50	($130.59)	-0.23%
1,080,000	40%	2,500.0	$17,254.27	$17,023.29	($230.98)	-1.34%	$36,968.18	$37,068.57	$100.39	0.27%	$54,222.45	$54,091.86	($130.59)	-0.24%
1,440,000	60%	2,500.0	$19,501.73	$19,209.87	($291.85)	-1.50%	$54,527.27	$54,661.12	$133.85	0.25%	$74,029.00	$73,870.99	($158.00)	-0.21%
1,440,000	50%	2,500.0	$19,501.73	$19,209.87	($291.85)	-1.50%	$51,909.09	$52,042.94	$133.85	0.26%	$71,410.82	$71,252.81	($158.00)	-0.22%
1,440,000	40%	2,500.0	$19,501.73	$19,209.87	($291.85)	-1.50%	$49,290.91	$49,424.76	$133.85	0.27%	$68,792.64	$68,634.63	($158.00)	-0.23%
1,008,000	60%	3,500.0	$20,443.87	$20,066.73	($377.14)	-1.84%	$38,169.09	$38,262.79	$93.70	0.25%	$58,612.96	$58,329.52	($283.44)	-0.48%
1,008,000	50%	3,500.0	$20,443.87	$20,066.73	($377.14)	-1.84%	$36,336.36	$36,430.06	$93.70	0.26%	$56,780.23	$56,496.79	($283.44)	-0.50%
1,008,000	40%	3,500.0	$20,443.87	$20,066.73	($377.14)	-1.84%	$34,503.64	$34,597.33	$93.69	0.27%	$54,947.51	$54,664.06	($283.45)	-0.52%
1,512,000	60%	3,500.0	$23,590.32	$23,127.95	($462.36)	-1.96%	$57,253.64	$57,394.18	$140.54	0.25%	$80,843.96	$80,522.13	($321.82)	-0.40%
1,512,000	50%	3,500.0	$23,590.32	$23,127.95	($462.36)	-1.96%	$54,504.55	$54,645.09	$140.54	0.26%	$78,094.87	$77,773.04	($321.82)	-0.41%
1,512,000	40%	3,500.0	$23,590.32	$23,127.95	($462.36)	-1.96%	$51,755.45	$51,896.00	$140.55	0.27%	$75,345.77	$75,023.95	($321.81)	-0.43%
2,016,000	60%	3,500.0	$26,736.76	$26,189.18	($547.58)	-2.05%	$76,338.18	$76,525.57	$187.39	0.25%	$103,074.94	$102,714.75	($360.19)	-0.35%
2,016,000	50%	3,500.0	$26,736.76	$26,189.18	($547.58)	-2.05%	$72,672.73	$72,860.12	$187.39	0.26%	$99,409.49	$99,049.30	($360.19)	-0.36%
2,016,000	40%	3,500.0	$26,736.76	$26,189.18	($547.58)	-2.05%	$69,007.27	$69,194.67	$187.40	0.27%	$95,744.03	$95,383.85	($360.18)	-0.38%
1,152,000	60%	4,000.0	$23,162.41	$22,681.75	($480.66)	-2.08%	$43,621.82	$43,728.90	$107.08	0.25%	$66,784.23	$66,410.65	($373.58)	-0.56%
1,152,000	50%	4,000.0	$23,162.41	$22,681.75	($480.66)	-2.08%	$41,527.27	$41,634.35	$107.08	0.26%	$64,689.68	$64,316.10	($373.58)	-0.58%
1,152,000	40%	4,000.0	$23,162.41	$22,681.75	($480.66)	-2.08%	$39,432.73	$39,539.81	$107.08	0.27%	$62,595.14	$62,221.56	($373.58)	-0.60%
2,000,000	60%	4,000.0	$28,456.42	$27,832.38	($624.05)	-2.19%	$75,732.32	$75,918.23	$185.91	0.25%	$104,188.74	$103,750.61	($438.14)	-0.42%
2,000,000	50%	4,000.0	$28,456.42	$27,832.38	($624.05)	-2.19%	$72,095.96	$72,281.86	$185.90	0.26%	$100,552.38	$100,114.24	($438.15)	-0.44%
2,000,000	40%	4,000.0	$28,456.42	$27,832.38	($624.05)	-2.19%	$68,459.60	$68,645.50	$185.90	0.27%	$96,916.02	$96,477.88	($438.15)	-0.45%
2,304,000	60%	4,000.0	$30,354.28	$29,678.83	($675.45)	-2.23%	$87,243.64	$87,457.80	$214.16	0.25%	$117,597.92	$117,136.63	($461.29)	-0.39%
2,304,000	50%	4,000.0	$30,354.28	$29,678.83	($675.45)	-2.23%	$83,054.55	$83,268.71	$214.16	0.26%	$113,408.83	$112,947.54	($461.29)	-0.41%
2,304,000	40%	4,000.0	$30,354.28	$29,678.83	($675.45)	-2.23%	$78,865.45	$79,079.62	$214.17	0.27%	$109,219.73	$108,758.45	($461.28)	-0.42%
3,888,000	60%	13,500.0	$74,814.54	$72,367.05	($2,447.48)	-3.27%	$147,223.64	$147,585.04	$361.40	0.25%	$222,038.18	$219,952.09	($2,086.08)	-0.94%
3,888,000	50%	13,500.0	$74,814.54	$72,367.05	($2,447.48)	-3.27%	$140,154.55	$140,515.95	$361.40	0.26%	$214,969.09	$212,883.00	($2,086.08)	-0.97%
3,888,000	40%	13,500.0	$74,814.54	$72,367.05	($2,447.48)	-3.27%	$133,085.45	$133,446.85	$361.40	0.27%	$207,899.99	$205,813.90	($2,086.08)	-1.00%
5,832,000	60%	13,500.0	$86,950.82	$84,174.63	($2,776.19)	-3.19%	$220,835.45	$221,377.55	$542.10	0.25%	$307,786.27	$305,552.18	($2,234.09)	-0.73%
5,832,000	50%	13,500.0	$86,950.82	$84,174.63	($2,776.19)	-3.19%	$210,231.82	$210,773.92	$542.10	0.26%	$297,182.64	$294,948.55	($2,234.09)	-0.75%
5,832,000	40%	13,500.0	$86,950.82	$84,174.63	($2,776.19)	-3.19%	$199,628.18	$200,170.28	$542.10	0.27%	$286,579.00	$284,344.91	($2,234.09)	-0.78%
7,776,000	60%	13,500.0	$99,087.09	$95,982.20	($3,104.89)	-3.13%	$294,447.27	$295,170.07	$722.80	0.25%	$393,534.36	$391,152.27	($2,382.09)	-0.61%
7,776,000	50%	13,500.0	$99,087.09	$95,982.20	($3,104.89)	-3.13%	$280,309.09	$281,031.89	$722.80	0.26%	$379,396.18	$377,014.09	($2,382.09)	-0.63%
7,776,000	40%	13,500.0	$99,087.09	$95,982.20	($3,104.89)	-3.13%	$266,170.91	$266,893.71	$722.80	0.27%	$365,258.00	$362,875.91	($2,382.09)	-0.65%

Current

Customer Charge		1,400.00
T&D Demand Charge	kW x	$3.56
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04088
Commodity Energy Charge Off Peak	kWh x	$0.02288
Transmission Revenue Adjustment Charge	kWh x	($0.00210)
Systems Benefits Charge (CES/EES)	kWh x	$0.007122
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$1,744.00
T&D Demand Charge	kW x	$3.45
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.04088
Commodity Energy Charge Off Peak	kWh x	$0.02288
Transmission Revenue Adjustment Charge	kWh x	($0.00055)
Systems Benefits Charge (CES/EES)	kWh x	$0.005406
NYPA ETIP Credit	kW x	($0.05)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$12,865.93	$13,222.90	$356.96	2.77%	$26,450.55	$26,517.47	$66.92	0.25%	$39,316.48	$39,740.37	$423.88	1.08%
720,000	50%	2,500.0	$12,865.93	$13,222.90	$356.96	2.77%	$25,209.09	$25,276.02	$66.93	0.27%	$38,075.02	$38,498.92	$423.89	1.11%
720,000	40%	2,500.0	$12,865.93	$13,222.90	$356.96	2.77%	$23,967.64	$24,034.56	$66.92	0.28%	$36,833.57	$37,257.46	$423.88	1.15%
1,080,000	60%	2,500.0	$13,891.44	$14,442.79	$551.35	3.97%	$39,675.82	$39,776.21	$100.39	0.25%	$53,567.26	$54,219.00	$651.74	1.22%
1,080,000	50%	2,500.0	$13,891.44	$14,442.79	$551.35	3.97%	$37,813.64	$37,914.03	$100.39	0.27%	$51,705.08	$52,356.82	$651.74	1.26%
1,080,000	40%	2,500.0	$13,891.44	$14,442.79	$551.35	3.97%	$35,951.45	$36,051.84	$100.39	0.28%	$49,842.89	$50,494.63	$651.74	1.31%
1,440,000	60%	2,500.0	$14,916.95	$15,662.69	$745.74	5.00%	$52,901.09	$53,034.94	$133.85	0.25%	$67,818.04	$68,697.63	$879.59	1.30%
1,440,000	50%	2,500.0	$14,916.95	$15,662.69	$745.74	5.00%	$50,418.18	$50,552.03	$133.85	0.27%	$65,335.13	$66,214.72	$879.59	1.35%
1,440,000	40%	2,500.0	$14,916.95	$15,662.69	$745.74	5.00%	$47,935.27	$48,069.12	$133.85	0.28%	$62,852.22	$63,731.81	$879.59	1.40%
1,008,000	60%	3,500.0	$16,598.17	$16,893.07	$294.90	1.78%	$37,030.76	$37,124.46	$93.70	0.25%	$53,628.93	$54,017.53	$388.60	0.72%
1,008,000	50%	3,500.0	$16,598.17	$16,893.07	$294.90	1.78%	$35,292.73	$35,386.42	$93.69	0.27%	$51,890.90	$52,279.49	$388.59	0.75%
1,008,000	40%	3,500.0	$16,598.17	$16,893.07	$294.90	1.78%	$33,554.69	$33,648.39	$93.70	0.28%	$50,152.86	$50,541.46	$388.60	0.77%
1,512,000	60%	3,500.0	$18,033.88	$18,600.92	$567.05	3.14%	$55,546.15	$55,686.69	$140.54	0.25%	$73,580.03	$74,287.61	$707.59	0.96%
1,512,000	50%	3,500.0	$18,033.88	$18,600.92	$567.05	3.14%	$52,939.09	$53,079.64	$140.55	0.27%	$70,972.97	$71,680.56	$707.60	1.00%
1,512,000	40%	3,500.0	$18,033.88	$18,600.92	$567.05	3.14%	$50,332.04	$50,472.58	$140.54	0.28%	$68,365.92	$69,073.50	$707.59	1.03%
2,016,000	60%	3,500.0	$19,469.58	$20,308.78	$839.19	4.31%	$74,061.53	$74,248.92	$187.39	0.25%	$93,531.11	$94,557.70	$1,026.58	1.10%
2,016,000	50%	3,500.0	$19,469.58	$20,308.78	$839.19	4.31%	$70,585.45	$70,772.85	$187.40	0.27%	$90,055.03	$91,081.63	$1,026.59	1.14%
2,016,000	40%	3,500.0	$19,469.58	$20,308.78	$839.19	4.31%	$67,109.38	$67,296.77	$187.39	0.28%	$86,578.96	$87,605.55	$1,026.58	1.19%
1,152,000	60%	4,000.0	$18,464.28	$18,728.15	$263.87	1.43%	$42,320.87	$42,427.95	$107.08	0.25%	$60,785.15	$61,156.10	$370.95	0.61%
1,152,000	50%	4,000.0	$18,464.28	$18,728.15	$263.87	1.43%	$40,334.55	$40,441.63	$107.08	0.27%	$58,798.83	$59,169.78	$370.95	0.63%
1,152,000	40%	4,000.0	$18,464.28	$18,728.15	$263.87	1.43%	$38,348.22	$38,455.30	$107.08	0.28%	$56,812.50	$57,183.45	$370.95	0.65%
1,728,000	60%	4,000.0	$20,105.09	$20,679.98	$574.89	2.86%	$63,481.31	$63,641.93	$160.62	0.25%	$83,586.40	$84,321.91	$735.51	0.88%
1,728,000	50%	4,000.0	$20,105.09	$20,679.98	$574.89	2.86%	$60,501.82	$60,662.44	$160.62	0.27%	$80,606.91	$81,342.42	$735.51	0.91%
1,728,000	40%	4,000.0	$20,105.09	$20,679.98	$574.89	2.86%	$57,522.33	$57,682.95	$160.62	0.28%	$77,627.42	$78,362.93	$735.51	0.95%
2,304,000	60%	4,000.0	$21,745.90	$22,631.82	$885.92	4.07%	$84,641.75	$84,855.91	$214.16	0.25%	$106,387.65	$107,487.73	$1,100.08	1.03%
2,304,000	50%	4,000.0	$21,745.90	$22,631.82	$885.92	4.07%	$80,669.09	$80,883.25	$214.16	0.27%	$102,414.99	$103,515.07	$1,100.08	1.07%
2,304,000	40%	4,000.0	$21,745.90	$22,631.82	$885.92	4.07%	$76,696.44	$76,910.60	$214.16	0.28%	$98,442.34	$99,542.42	$1,100.08	1.12%
3,888,000	60%	11,500.0	$48,096.83	$48,206.25	$109.42	0.23%	$142,832.95	$143,194.35	$361.40	0.25%	$190,929.78	$191,400.60	$470.82	0.25%
3,888,000	50%	11,500.0	$48,096.83	$48,206.25	$109.42	0.23%	$136,129.09	$136,490.49	$361.40	0.27%	$184,225.92	$184,696.74	$470.82	0.26%
3,888,000	40%	11,500.0	$48,096.83	$48,206.25	$109.42	0.23%	$129,425.24	$129,786.64	$361.40	0.28%	$177,522.07	$177,992.89	$470.82	0.27%
6,300,000	60%	12,000.0	$56,423.64	$57,726.68	$1,303.04	2.31%	$231,442.27	$232,027.87	$585.60	0.25%	$287,865.91	$289,754.55	$1,888.64	0.66%
6,300,000	50%	12,000.0	$56,423.64	$57,726.68	$1,303.04	2.31%	$220,579.55	$221,165.15	$585.60	0.27%	$277,003.19	$278,891.83	$1,888.64	0.68%
6,300,000	40%	12,000.0	$56,423.64	$57,726.68	$1,303.04	2.31%	$209,716.82	$210,302.42	$585.60	0.28%	$266,140.46	$268,029.10	$1,888.64	0.71%
7,776,000	60%	13,500.0	$64,995.96	$66,769.63	$1,773.68	2.73%	$285,665.89	$286,388.69	$722.80	0.25%	$350,661.85	$353,158.32	$2,496.48	0.71%
7,776,000	50%	13,500.0	$64,995.96	$66,769.63	$1,773.68	2.73%	$272,258.18	$272,980.98	$722.80	0.27%	$337,254.14	$339,750.61	$2,496.48	0.74%
7,776,000	40%	13,500.0	$64,995.96	$66,769.63	$1,773.68	2.73%	$258,850.47	$259,573.27	$722.80	0.28%	$323,846.43	$326,342.90	$2,496.48	0.77%

Current

Customer Charge		3,500.00
T&D Demand Charge	kW x	$2.84
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.03939
Commodity Energy Charge Off Peak	kWh x	$0.02232
Transmission Revenue Adjustment Charge	kWh x	($0.00278)
Systems Benefits Charge (CEF/EES)	kWh x	$0.004439
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		$4,007.00
T&D Demand Charge	kW x	$2.97
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001162
Commodity Energy Charge On Peak	kWh x	$0.03939
Commodity Energy Charge Off Peak	kWh x	$0.02232
Transmission Revenue Adjustment Charge	kWh x	($0.00118)
Systems Benefits Charge (CEF/EES)	kWh x	$0.003369
NYPA ETIP Credit	kW x	($0.34)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00330
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$135.39	$141.40	$6.01	4.44%	$40.64	$40.64	$0.00	0.00%	$176.03	$182.04	$6.01	3.41%
1,512	7.0	$138.90	$144.91	$6.01	4.33%	$60.97	$60.97	$0.00	0.00%	$199.87	$205.88	$6.01	3.01%
2,016	7.0	$142.40	$148.41	$6.01	4.22%	$81.29	$81.29	$0.00	0.00%	$223.69	$229.70	$6.01	2.69%
2,520	7.0	$145.91	$151.92	$6.01	4.12%	$101.61	$101.61	$0.00	0.00%	$247.52	$253.53	$6.01	2.43%
2,160	15.0	$229.49	$242.37	$12.88	5.61%	$87.09	$87.09	$0.00	0.00%	$316.58	$329.46	$12.88	4.07%
3,240	15.0	$237.00	$249.88	$12.88	5.43%	$130.64	$130.64	$0.00	0.00%	$367.64	$380.52	$12.88	3.50%
4,320	15.0	$244.52	$257.40	$12.88	5.27%	$174.19	$174.19	$0.00	0.00%	$418.71	$431.59	$12.88	3.08%
5,400	15.0	$252.04	$264.92	$12.88	5.11%	$217.74	$217.74	$0.00	0.00%	$469.78	$482.66	$12.88	2.74%
3,600	25.0	$347.11	$368.58	$21.47	6.19%	$145.16	$145.16	$0.00	0.00%	$492.27	$513.74	$21.47	4.36%
5,400	25.0	$359.64	$381.10	$21.46	5.97%	$217.74	$217.74	$0.00	0.00%	$577.38	$598.84	$21.46	3.72%
7,000	25.0	$370.77	$392.24	$21.47	5.79%	$282.25	$282.25	$0.00	0.00%	$653.02	$674.49	$21.47	3.29%
9,000	25.0	$384.69	$406.16	$21.47	5.58%	$362.89	$362.89	$0.00	0.00%	$747.58	$769.05	$21.47	2.87%
5,760	40.0	$523.55	$557.89	$34.34	6.56%	$232.25	$232.25	$0.00	0.00%	$755.80	$790.14	$34.34	4.54%
8,640	40.0	$543.59	$577.94	$34.35	6.32%	$348.38	$348.38	$0.00	0.00%	$891.97	$926.32	$34.35	3.85%
11,520	40.0	$563.64	$597.98	$34.34	6.09%	$464.50	$464.50	$0.00	0.00%	$1,028.14	$1,062.48	$34.34	3.34%
14,400	40.0	$583.68	$618.02	$34.34	5.88%	$580.63	$580.63	$0.00	0.00%	$1,164.31	$1,198.65	$34.34	2.95%
8,640	60.0	$758.80	$810.31	$51.51	6.79%	$348.38	$348.38	$0.00	0.00%	$1,107.18	$1,158.69	$51.51	4.65%
12,960	60.0	$788.86	$840.38	$51.52	6.53%	$522.57	$522.57	$0.00	0.00%	$1,311.43	$1,362.95	$51.52	3.93%
17,280	60.0	$818.93	$870.44	$51.51	6.29%	$696.75	$696.75	$0.00	0.00%	$1,515.68	$1,567.19	$51.51	3.40%
21,600	60.0	$848.99	$900.51	$51.52	6.07%	$870.94	$870.94	$0.00	0.00%	$1,719.93	$1,771.45	$51.52	3.00%
11,520	80.0	$994.05	$1,062.74	$68.69	6.91%	$464.50	$464.50	$0.00	0.00%	$1,458.55	$1,527.24	$68.69	4.71%
17,280	80.0	$1,034.13	$1,102.82	$68.69	6.64%	$696.75	$696.75	$0.00	0.00%	$1,730.88	$1,799.57	$68.69	3.97%
23,040	80.0	$1,074.22	$1,142.91	$68.69	6.39%	$929.01	$929.01	$0.00	0.00%	$2,003.23	$2,071.92	$68.69	3.43%
28,800	80.0	$1,114.31	$1,182.99	$68.68	6.16%	$1,161.26	$1,161.26	$0.00	0.00%	$2,275.57	$2,344.25	$68.68	3.02%
14,400	100.0	$1,229.30	$1,315.16	$85.86	6.98%	$580.63	$580.63	$0.00	0.00%	$1,809.93	$1,895.79	$85.86	4.74%
21,600	100.0	$1,279.41	$1,365.26	$85.85	6.71%	$870.94	$870.94	$0.00	0.00%	$2,150.35	$2,236.20	$85.85	3.99%
28,800	100.0	$1,329.51	$1,415.37	$85.86	6.46%	$1,161.26	$1,161.26	$0.00	0.00%	$2,490.77	$2,576.63	$85.86	3.45%
36,000	100.0	$1,379.62	$1,465.48	$85.86	6.22%	$1,451.57	$1,451.57	$0.00	0.00%	$2,831.19	$2,917.05	$85.86	3.03%

Current

Customer Charge		$52.52
T&D Demand Charge	kW x	$10.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03565
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		52.52
T&D Demand Charge	kW x	$11.46
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03565
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,562.70	$1,669.77	$107.07	6.85%	$1,148.75	$1,148.75	$0.00	0.00%	$2,711.45	$2,818.52	$107.07	3.95%
36,000	100.0	$1,612.52	$1,719.59	$107.07	6.64%	$1,435.94	$1,435.94	$0.00	0.00%	$3,048.46	$3,155.53	$107.07	3.51%
43,200	100.0	$1,662.34	$1,769.41	$107.07	6.44%	$1,723.12	$1,723.12	$0.00	0.00%	$3,385.46	$3,492.53	$107.07	3.16%
57,600	100.0	$1,761.98	$1,869.05	$107.07	6.08%	$2,297.50	$2,297.50	$0.00	0.00%	$4,059.48	$4,166.55	$107.07	2.64%
57,600	200.0	$2,797.11	$2,945.60	$148.48	5.31%	$2,297.50	$2,297.50	$0.00	0.00%	$5,094.61	$5,243.10	$148.48	2.91%
72,000	200.0	$2,896.75	$3,045.24	$148.48	5.13%	$2,871.87	$2,871.87	$0.00	0.00%	$5,768.62	$5,917.11	$148.48	2.57%
86,400	200.0	$2,996.39	$3,144.88	$148.48	4.96%	$3,446.24	$3,446.24	$0.00	0.00%	$6,442.63	$6,591.12	$148.48	2.30%
115,200	200.0	$3,195.67	$3,344.16	$148.48	4.65%	$4,594.99	$4,594.99	$0.00	0.00%	$7,790.66	$7,939.15	$148.48	1.91%
72,000	250.0	$3,414.32	$3,583.51	$169.19	4.96%	$2,871.87	$2,871.87	$0.00	0.00%	$6,286.19	$6,455.38	$169.19	2.69%
90,000	250.0	$3,538.87	$3,708.06	$169.19	4.78%	$3,589.84	$3,589.84	$0.00	0.00%	$7,128.71	$7,297.90	$169.19	2.37%
100,000	250.0	$3,608.07	$3,777.26	$169.19	4.69%	$3,988.71	$3,988.71	$0.00	0.00%	$7,596.78	$7,765.97	$169.19	2.23%
144,000	250.0	$3,912.52	$4,081.71	$169.19	4.32%	$5,743.74	$5,743.74	$0.00	0.00%	$9,656.26	$9,825.45	$169.19	1.75%
144,000	500.0	$6,500.36	$6,773.09	$272.73	4.20%	$5,743.74	$5,743.74	$0.00	0.00%	$12,244.10	$12,516.83	$272.73	2.23%
180,000	500.0	$6,749.46	$7,022.19	$272.73	4.04%	$7,179.68	$7,179.68	$0.00	0.00%	$13,929.14	$14,201.87	$272.73	1.96%
216,000	500.0	$6,998.56	$7,271.29	$272.73	3.90%	$8,615.61	$8,615.61	$0.00	0.00%	$15,614.17	$15,886.90	$272.73	1.75%
288,000	500.0	$7,496.76	$7,769.49	$272.73	3.64%	$11,487.48	$11,487.48	$0.00	0.00%	$18,984.24	$19,256.97	$272.73	1.44%
216,000	750.0	$9,586.40	$9,962.66	$376.26	3.92%	$8,615.61	$8,615.61	$0.00	0.00%	$18,202.01	$18,578.27	$376.26	2.07%
270,000	750.0	$9,960.05	$10,336.31	$376.26	3.78%	$10,769.51	$10,769.51	$0.00	0.00%	$20,729.56	$21,105.82	$376.26	1.82%
324,000	750.0	$10,333.70	$10,709.96	$376.26	3.64%	$12,923.42	$12,923.42	$0.00	0.00%	$23,257.12	$23,633.38	$376.26	1.62%
432,000	750.0	$11,081.00	$11,457.26	$376.26	3.40%	$17,231.22	$17,231.22	$0.00	0.00%	$28,312.22	$28,688.48	$376.26	1.33%
432,000	1,500.0	$18,844.52	$19,531.39	$686.87	3.64%	$17,231.22	$17,231.22	$0.00	0.00%	$36,075.74	$36,762.61	$686.87	1.90%
540,000	1,500.0	$19,591.82	$20,278.69	$686.87	3.51%	$21,539.03	$21,539.03	$0.00	0.00%	$41,130.85	$41,817.72	$686.87	1.67%
648,000	1,500.0	$20,339.12	$21,025.99	$686.87	3.38%	$25,846.83	$25,846.83	$0.00	0.00%	$46,185.95	$46,872.82	$686.87	1.49%
864,000	1,500.0	$21,833.72	$22,520.59	$686.87	3.15%	$34,462.44	$34,462.44	$0.00	0.00%	$56,296.16	$56,983.03	$686.87	1.22%
576,000	2,000.0	$25,016.60	$25,910.54	$893.94	3.57%	$22,974.96	$22,974.96	$0.00	0.00%	$47,991.56	$48,885.50	$893.94	1.86%
720,000	2,000.0	$26,013.00	$26,906.94	$893.94	3.44%	$28,718.70	$28,718.70	$0.00	0.00%	$54,731.70	$55,625.64	$893.94	1.63%
864,000	2,000.0	$27,009.40	$27,903.34	$893.94	3.31%	$34,462.44	$34,462.44	$0.00	0.00%	$61,471.84	$62,365.78	$893.94	1.45%
1,152,000	2,000.0	$29,002.20	$29,896.14	$893.94	3.08%	$45,949.93	$45,949.93	$0.00	0.00%	$74,952.13	$75,846.07	$893.94	1.19%

Current

Customer Charge		$325.00
T&D Demand Charge	kW x	$10.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03522
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005661
NYPA ETIP Credit	kW x	(0.005)
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		390.00
T&D Demand Charge	kW x	$10.62
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03522
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005661
NYPA ETIP Credit	kW x	($0.005)
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,505.20	$1,565.80	$60.61	4.03%	$1,114.71	$1,114.71	$0.00	0.00%	$2,619.91	$2,680.51	$60.61	2.31%
36,000	100.0	$1,553.55	$1,614.15	$60.61	3.90%	$1,393.39	$1,393.39	$0.00	0.00%	$2,946.94	$3,007.54	$60.61	2.06%
43,200	100.0	$1,601.90	$1,662.51	$60.61	3.78%	$1,672.07	$1,672.07	$0.00	0.00%	$3,273.97	$3,334.58	$60.61	1.85%
57,600	100.0	$1,698.61	$1,759.21	$60.61	3.57%	$2,229.42	$2,229.42	$0.00	0.00%	$3,928.03	$3,988.63	$60.61	1.54%
57,600	200.0	$2,569.28	$2,690.49	$121.21	4.72%	$2,229.42	$2,229.42	$0.00	0.00%	$4,798.70	$4,919.91	$121.21	2.53%
72,000	200.0	$2,665.99	$2,787.20	$121.21	4.55%	$2,786.78	$2,786.78	$0.00	0.00%	$5,452.77	$5,573.98	$121.21	2.22%
86,400	200.0	$2,762.69	$2,883.91	$121.21	4.39%	$3,344.14	$3,344.14	$0.00	0.00%	$6,106.83	$6,228.05	$121.21	1.98%
115,200	200.0	$2,956.11	$3,077.32	$121.21	4.10%	$4,458.85	$4,458.85	$0.00	0.00%	$7,414.96	$7,536.17	$121.21	1.63%
72,000	250.0	$3,101.32	$3,252.84	$151.52	4.89%	$2,786.78	$2,786.78	$0.00	0.00%	$5,888.10	$6,039.62	$151.52	2.57%
90,000	250.0	$3,222.21	$3,373.72	$151.52	4.70%	$3,483.47	$3,483.47	$0.00	0.00%	$6,705.68	$6,857.19	$151.52	2.26%
108,000	250.0	$3,343.09	$3,494.60	$151.52	4.53%	$4,180.17	$4,180.17	$0.00	0.00%	$7,523.26	$7,674.77	$151.52	2.01%
144,000	250.0	$3,584.85	$3,736.37	$151.52	4.23%	$5,573.56	$5,573.56	$0.00	0.00%	$9,158.41	$9,309.93	$151.52	1.65%
144,000	500.0	$5,761.53	$6,064.56	$303.03	5.26%	$5,573.56	$5,573.56	$0.00	0.00%	$11,335.09	$11,638.12	$303.03	2.67%
180,000	500.0	$6,003.30	$6,306.33	$303.03	5.05%	$6,966.95	$6,966.95	$0.00	0.00%	$12,970.25	$13,273.28	$303.03	2.34%
225,000	500.0	$6,305.51	$6,608.54	$303.03	4.81%	$8,708.69	$8,708.69	$0.00	0.00%	$15,014.20	$15,317.23	$303.03	2.02%
288,000	500.0	$6,728.60	$7,031.63	$303.03	4.50%	$11,147.12	$11,147.12	$0.00	0.00%	$17,875.72	$18,178.75	$303.03	1.70%
216,000	750.0	$8,421.75	$8,876.29	$454.55	5.40%	$8,360.34	$8,360.34	$0.00	0.00%	$16,782.09	$17,236.63	$454.55	2.71%
270,000	750.0	$8,784.39	$9,238.94	$454.55	5.17%	$10,450.42	$10,450.42	$0.00	0.00%	$19,234.81	$19,689.36	$454.55	2.36%
324,000	750.0	$9,147.04	$9,601.59	$454.55	4.97%	$12,540.51	$12,540.51	$0.00	0.00%	$21,687.55	$22,142.10	$454.55	2.10%
432,000	750.0	$9,872.34	$10,326.89	$454.55	4.60%	$16,720.68	$16,720.68	$0.00	0.00%	$26,593.02	$27,047.57	$454.55	1.71%
432,000	1,500.0	$16,402.38	$17,311.47	$909.09	5.54%	$16,720.68	$16,720.68	$0.00	0.00%	$33,123.06	$34,032.15	$909.09	2.74%
540,000	1,500.0	$17,127.68	$18,036.77	$909.09	5.31%	$20,900.85	$20,900.85	$0.00	0.00%	$38,028.53	$38,937.62	$909.09	2.39%
648,000	1,500.0	$17,852.98	$18,762.07	$909.09	5.09%	$25,081.02	$25,081.02	$0.00	0.00%	$42,934.00	$43,843.09	$909.09	2.12%
864,000	1,500.0	$19,303.57	$20,212.66	$909.09	4.71%	$33,441.35	$33,441.35	$0.00	0.00%	$52,744.92	$53,654.01	$909.09	1.72%
576,000	2,000.0	$21,722.80	$22,934.92	$1,212.12	5.58%	$22,294.24	$22,294.24	$0.00	0.00%	$44,017.04	$45,229.16	$1,212.12	2.75%
720,000	2,000.0	$22,689.87	$23,901.99	$1,212.12	5.34%	$27,867.80	$27,867.80	$0.00	0.00%	$50,557.67	$51,769.79	$1,212.12	2.40%
864,000	2,000.0	$23,656.93	$24,869.05	$1,212.12	5.12%	$33,441.35	$33,441.35	$0.00	0.00%	$57,098.28	$58,310.40	$1,212.12	2.12%
1,152,000	2,000.0	$25,591.06	$26,803.18	$1,212.12	4.74%	$44,588.47	$44,588.47	$0.00	0.00%	$70,179.53	$71,391.65	$1,212.12	1.73%

Current

Customer Charge		$436.70
T&D Demand Charge	kW x	$8.61
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03405
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005460
NYPA ETIP Credit	kW x	($0.03)
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		436.70
T&D Demand Charge	kW x	$9.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03405
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005460
NYPA ETIP Credit	kW x	($0.03)
Merchant Function Charge	kWh x	$0.00064
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,072.05	$1,159.93	$87.88	8.20%	$1,091.15	$1,091.15	$0.00	0.00%	$2,163.20	$2,251.08	$87.88	4.06%
36,000	100.0	$1,113.48	$1,201.35	$87.88	7.89%	$1,363.94	$1,363.94	$0.00	0.00%	$2,477.42	$2,565.29	$87.88	3.55%
43,200	100.0	$1,154.90	$1,242.78	$87.88	7.61%	$1,636.72	$1,636.72	$0.00	0.00%	$2,791.62	$2,879.50	$87.88	3.15%
57,600	100.0	$1,237.75	$1,325.63	$87.88	7.10%	$2,182.30	$2,182.30	$0.00	0.00%	$3,420.05	$3,507.93	$87.88	2.57%
57,600	200.0	$1,498.65	$1,600.67	$102.02	6.81%	$2,182.30	$2,182.30	$0.00	0.00%	$3,680.95	$3,782.97	$102.02	2.77%
72,000	200.0	$1,581.50	$1,683.52	$102.02	6.45%	$2,727.87	$2,727.87	$0.00	0.00%	$4,309.37	$4,411.39	$102.02	2.37%
86,400	200.0	$1,664.34	$1,766.36	$102.02	6.13%	$3,273.44	$3,273.44	$0.00	0.00%	$4,937.78	$5,039.80	$102.02	2.07%
115,200	200.0	$1,830.04	$1,932.06	$102.02	5.57%	$4,364.59	$4,364.59	$0.00	0.00%	$6,194.63	$6,296.65	$102.02	1.65%
72,000	250.0	$1,711.95	$1,821.04	$109.09	6.37%	$2,727.87	$2,727.87	$0.00	0.00%	$4,439.82	$4,548.91	$109.09	2.46%
90,000	250.0	$1,815.51	$1,924.60	$109.09	6.01%	$3,409.84	$3,409.84	$0.00	0.00%	$5,225.35	$5,334.44	$109.09	2.09%
108,000	250.0	$1,919.07	$2,028.16	$109.09	5.68%	$4,091.81	$4,091.81	$0.00	0.00%	$6,010.88	$6,119.97	$109.09	1.81%
144,000	250.0	$2,126.18	$2,235.28	$109.09	5.13%	$5,455.74	$5,455.74	$0.00	0.00%	$7,581.92	$7,691.02	$109.09	1.44%
144,000	500.0	$2,778.44	$2,922.89	$144.44	5.20%	$5,455.74	$5,455.74	$0.00	0.00%	$8,234.18	$8,378.63	$144.44	1.75%
180,000	500.0	$2,985.56	$3,130.01	$144.44	4.84%	$6,819.68	$6,819.68	$0.00	0.00%	$9,805.24	$9,949.69	$144.44	1.47%
216,000	500.0	$3,192.68	$3,337.12	$144.44	4.52%	$8,183.61	$8,183.61	$0.00	0.00%	$11,376.29	$11,520.73	$144.44	1.27%
288,000	500.0	$3,606.91	$3,751.36	$144.44	4.00%	$10,911.48	$10,911.48	$0.00	0.00%	$14,518.39	$14,662.84	$144.44	0.99%
216,000	800.0	$3,975.39	$4,162.26	$186.87	4.70%	$8,183.61	$8,183.61	$0.00	0.00%	$12,159.00	$12,345.87	$186.87	1.54%
270,000	800.0	$4,286.07	$4,472.94	$186.87	4.36%	$10,229.51	$10,229.51	$0.00	0.00%	$14,515.58	$14,702.45	$186.87	1.29%
320,000	800.0	$4,573.73	$4,760.60	$186.87	4.09%	$12,123.87	$12,123.87	$0.00	0.00%	$16,697.60	$16,884.47	$186.87	1.12%
432,000	800.0	$5,218.10	$5,404.97	$186.87	3.58%	$16,367.22	$16,367.22	$0.00	0.00%	$21,585.32	$21,772.19	$186.87	0.87%
432,000	1,500.0	$7,044.42	$7,330.28	$285.86	4.06%	$16,367.22	$16,367.22	$0.00	0.00%	$23,411.64	$23,697.50	$285.86	1.22%
540,000	1,500.0	$7,665.77	$7,951.63	$285.86	3.73%	$20,459.03	$20,459.03	$0.00	0.00%	$28,124.80	$28,410.66	$285.86	1.02%
648,000	1,500.0	$8,287.13	$8,572.99	$285.86	3.45%	$24,550.83	$24,550.83	$0.00	0.00%	$32,837.96	$33,123.82	$285.86	0.87%
864,000	1,500.0	$9,529.84	$9,815.69	$285.86	3.00%	$32,734.44	$32,734.44	$0.00	0.00%	$42,264.28	$42,550.13	$285.86	0.68%
576,000	2,000.0	$9,177.41	$9,533.98	$356.57	3.89%	$21,822.96	$21,822.96	$0.00	0.00%	$31,000.37	$31,356.94	$356.57	1.15%
720,000	2,000.0	$10,005.88	$10,362.45	$356.57	3.56%	$27,278.70	$27,278.70	$0.00	0.00%	$37,284.58	$37,641.15	$356.57	0.96%
864,000	2,000.0	$10,834.35	$11,190.92	$356.57	3.29%	$32,734.44	$32,734.44	$0.00	0.00%	$43,568.79	$43,925.36	$356.57	0.82%
1,152,000	2,000.0	$12,491.30	$12,847.86	$356.57	2.85%	$43,645.93	$43,645.93	$0.00	0.00%	$56,137.23	$56,493.79	$356.57	0.64%

Current

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03324
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004507
NYPA ETIP Credit	kW x	($0.14)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03324
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004507
NYPA ETIP Credit	kW x	($0.14)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,055.05	$1,142.93	$87.88	8.33%	$1,102.78	$1,102.78	$0.00	0.00%	$2,157.83	$2,245.71	$87.88	4.07%
36,000	100.0	$1,093.45	$1,181.33	$87.88	8.04%	$1,378.48	$1,378.48	$0.00	0.00%	$2,471.93	$2,559.81	$87.88	3.56%
43,200	100.0	$1,131.85	$1,219.73	$87.88	7.76%	$1,654.18	$1,654.18	$0.00	0.00%	$2,786.03	$2,873.91	$87.88	3.15%
57,600	100.0	$1,208.65	$1,296.53	$87.88	7.27%	$2,205.57	$2,205.57	$0.00	0.00%	$3,414.22	$3,502.10	$87.88	2.57%
57,600	200.0	$1,464.64	$1,566.66	$102.02	6.97%	$2,205.57	$2,205.57	$0.00	0.00%	$3,670.21	$3,772.23	$102.02	2.78%
72,000	200.0	$1,541.44	$1,643.46	$102.02	6.62%	$2,756.96	$2,756.96	$0.00	0.00%	$4,298.40	$4,400.42	$102.02	2.37%
86,400	200.0	$1,618.24	$1,720.26	$102.02	6.30%	$3,308.35	$3,308.35	$0.00	0.00%	$4,926.59	$5,028.61	$102.02	2.07%
115,200	200.0	$1,771.84	$1,873.86	$102.02	5.76%	$4,411.14	$4,411.14	$0.00	0.00%	$6,182.98	$6,285.00	$102.02	1.65%
72,000	250.0	$1,669.43	$1,778.53	$109.09	6.53%	$2,756.96	$2,756.96	$0.00	0.00%	$4,426.39	$4,535.49	$109.09	2.46%
90,000	250.0	$1,765.44	$1,874.53	$109.09	6.18%	$3,446.20	$3,446.20	$0.00	0.00%	$5,211.64	$5,320.73	$109.09	2.09%
108,000	250.0	$1,861.44	$1,970.53	$109.09	5.86%	$4,135.44	$4,135.44	$0.00	0.00%	$5,996.88	$6,105.97	$109.09	1.82%
144,000	250.0	$2,053.44	$2,162.53	$109.09	5.31%	$5,513.92	$5,513.92	$0.00	0.00%	$7,567.36	$7,676.45	$109.09	1.44%
144,000	500.0	$2,693.41	$2,837.86	$144.44	5.36%	$5,513.92	$5,513.92	$0.00	0.00%	$8,207.33	$8,351.78	$144.44	1.76%
180,000	500.0	$2,885.42	$3,029.86	$144.44	5.01%	$6,892.40	$6,892.40	$0.00	0.00%	$9,777.82	$9,922.26	$144.44	1.48%
216,000	500.0	$3,077.42	$3,221.86	$144.44	4.69%	$8,270.88	$8,270.88	$0.00	0.00%	$11,348.30	$11,492.74	$144.44	1.27%
288,000	500.0	$3,461.43	$3,605.87	$144.44	4.17%	$11,027.85	$11,027.85	$0.00	0.00%	$14,489.28	$14,633.72	$144.44	1.00%
216,000	800.0	$3,845.39	$4,032.26	$186.87	4.86%	$8,270.88	$8,270.88	$0.00	0.00%	$12,116.27	$12,303.14	$186.87	1.54%
270,000	800.0	$4,133.39	$4,320.26	$186.87	4.52%	$10,338.60	$10,338.60	$0.00	0.00%	$14,471.99	$14,658.86	$186.87	1.29%
320,000	800.0	$4,400.06	$4,586.93	$186.87	4.25%	$12,253.16	$12,253.16	$0.00	0.00%	$16,653.22	$16,840.09	$186.87	1.12%
432,000	800.0	$4,997.41	$5,184.28	$186.87	3.74%	$16,541.77	$16,541.77	$0.00	0.00%	$21,539.18	$21,726.05	$186.87	0.87%
432,000	1,500.0	$6,789.33	$7,075.19	$285.86	4.21%	$16,541.77	$16,541.77	$0.00	0.00%	$23,331.10	$23,616.96	$285.86	1.23%
540,000	1,500.0	$7,365.34	$7,651.20	$285.86	3.88%	$20,677.21	$20,677.21	$0.00	0.00%	$28,042.55	$28,328.41	$285.86	1.02%
648,000	1,500.0	$7,941.35	$8,227.21	$285.86	3.60%	$24,812.65	$24,812.65	$0.00	0.00%	$32,754.00	$33,039.86	$285.86	0.87%
864,000	1,500.0	$9,093.37	$9,379.23	$285.86	3.14%	$33,083.54	$33,083.54	$0.00	0.00%	$42,176.91	$42,462.77	$285.86	0.68%
576,000	2,000.0	$8,837.29	$9,193.86	$356.57	4.03%	$22,055.69	$22,055.69	$0.00	0.00%	$30,892.98	$31,249.55	$356.57	1.15%
720,000	2,000.0	$9,605.30	$9,961.87	$356.57	3.71%	$27,569.61	$27,569.61	$0.00	0.00%	$37,174.91	$37,531.48	$356.57	0.96%
864,000	2,000.0	$10,373.32	$10,729.88	$356.57	3.44%	$33,083.54	$33,083.54	$0.00	0.00%	$43,456.86	$43,813.42	$356.57	0.82%
1,152,000	2,000.0	$11,909.34	$12,265.91	$356.57	2.99%	$44,111.38	$44,111.38	$0.00	0.00%	$56,020.72	$56,377.29	$356.57	0.64%

Current

Customer Charge		$639.00
T&D Demand Charge	kW x	$2.68
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03364
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004091
NYPA ETIP Credit	kW x	($0.19)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.003628
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge	kWh x	$0.03364
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004091
NYPA ETIP Credit	kW x	($0.19)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$28,922.34	$28,922.34	$0.00	0.00%	$59,579.71	$61,254.81	$1,675.09	2.81%
720,000	50%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$27,485.98	$27,485.98	$0.00	0.00%	$58,143.35	$59,818.45	$1,675.09	2.88%
720,000	40%	2,500.0	$30,657.37	$32,332.47	$1,675.09	5.46%	$26,049.61	$26,049.61	$0.00	0.00%	$56,706.98	$58,382.08	$1,675.09	2.95%
1,250,000	60%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$50,212.40	$50,212.40	$0.00	0.00%	$84,558.29	$86,233.38	$1,675.09	1.98%
1,250,000	50%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$47,718.71	$47,718.71	$0.00	0.00%	$82,064.60	$83,739.69	$1,675.09	2.04%
1,250,000	40%	2,500.0	$34,345.89	$36,020.98	$1,675.09	4.88%	$45,225.02	$45,225.02	$0.00	0.00%	$79,570.91	$81,246.00	$1,675.09	2.11%
1,440,000	60%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$57,844.68	$57,844.68	$0.00	0.00%	$93,512.86	$95,187.95	$1,675.09	1.79%
1,440,000	50%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$54,971.95	$54,971.95	$0.00	0.00%	$90,640.13	$92,315.22	$1,675.09	1.85%
1,440,000	40%	2,500.0	$35,668.18	$37,343.27	$1,675.09	4.70%	$52,099.23	$52,099.23	$0.00	0.00%	$87,767.41	$89,442.50	$1,675.09	1.91%
1,008,000	60%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$40,491.28	$40,491.28	$0.00	0.00%	$82,872.89	$85,083.33	$2,210.44	2.67%
1,008,000	50%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$38,480.37	$38,480.37	$0.00	0.00%	$80,861.98	$83,072.42	$2,210.44	2.73%
1,008,000	40%	3,500.0	$42,381.61	$44,592.05	$2,210.44	5.22%	$36,469.46	$36,469.46	$0.00	0.00%	$78,851.07	$81,061.51	$2,210.44	2.80%
1,512,000	60%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$60,736.92	$60,736.92	$0.00	0.00%	$106,626.09	$108,836.54	$2,210.44	2.07%
1,512,000	50%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$57,720.55	$57,720.55	$0.00	0.00%	$103,609.72	$105,820.17	$2,210.44	2.13%
1,512,000	40%	3,500.0	$45,889.17	$48,099.62	$2,210.44	4.82%	$54,704.19	$54,704.19	$0.00	0.00%	$100,593.36	$102,803.81	$2,210.44	2.20%
2,016,000	60%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$80,982.55	$80,982.55	$0.00	0.00%	$130,379.29	$132,589.73	$2,210.44	1.70%
2,016,000	50%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$76,960.74	$76,960.74	$0.00	0.00%	$126,357.48	$128,567.92	$2,210.44	1.75%
2,016,000	40%	3,500.0	$49,396.74	$51,607.18	$2,210.44	4.47%	$72,938.92	$72,938.92	$0.00	0.00%	$122,335.66	$124,546.10	$2,210.44	1.81%
1,152,000	60%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$46,275.74	$46,275.74	$0.00	0.00%	$94,519.46	$96,997.58	$2,478.12	2.62%
1,152,000	50%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$43,977.56	$43,977.56	$0.00	0.00%	$92,221.28	$94,699.40	$2,478.12	2.69%
1,152,000	40%	4,000.0	$48,243.72	$50,721.84	$2,478.12	5.14%	$41,679.38	$41,679.38	$0.00	0.00%	$89,923.10	$92,401.22	$2,478.12	2.76%
1,728,000	60%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$69,413.62	$69,413.62	$0.00	0.00%	$121,665.99	$124,144.11	$2,478.12	2.04%
1,728,000	50%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$65,966.34	$65,966.34	$0.00	0.00%	$118,218.71	$120,696.83	$2,478.12	2.10%
1,728,000	40%	4,000.0	$52,252.37	$54,730.49	$2,478.12	4.74%	$62,519.07	$62,519.07	$0.00	0.00%	$114,771.44	$117,249.56	$2,478.12	2.16%
2,304,000	60%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$92,551.49	$92,551.49	$0.00	0.00%	$148,812.50	$151,290.63	$2,478.12	1.67%
2,304,000	50%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$87,955.13	$87,955.13	$0.00	0.00%	$144,216.14	$146,694.27	$2,478.12	1.72%
2,304,000	40%	4,000.0	$56,261.01	$58,739.14	$2,478.12	4.40%	$83,358.76	$83,358.76	$0.00	0.00%	$139,619.77	$142,097.90	$2,478.12	1.77%
3,888,000	60%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$156,180.64	$156,180.64	$0.00	0.00%	$315,804.55	$323,368.53	$7,563.98	2.40%
3,888,000	50%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$148,424.28	$148,424.28	$0.00	0.00%	$308,048.19	$315,612.17	$7,563.98	2.46%
3,888,000	40%	13,500.0	$159,623.91	$167,187.89	$7,563.98	4.74%	$140,667.91	$140,667.91	$0.00	0.00%	$300,291.82	$307,855.80	$7,563.98	2.52%
5,832,000	60%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$234,270.96	$234,270.96	$0.00	0.00%	$407,424.05	$414,988.03	$7,563.98	1.86%
5,832,000	50%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$222,636.41	$222,636.41	$0.00	0.00%	$395,789.50	$403,353.48	$7,563.98	1.91%
5,832,000	40%	13,500.0	$173,153.09	$180,717.07	$7,563.98	4.37%	$211,001.87	$211,001.87	$0.00	0.00%	$384,154.96	$391,718.94	$7,563.98	1.97%
7,776,000	60%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$312,361.28	$312,361.28	$0.00	0.00%	$499,043.56	$506,607.54	$7,563.98	1.52%
7,776,000	50%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$296,848.55	$296,848.55	$0.00	0.00%	$483,530.83	$491,094.81	$7,563.98	1.56%
7,776,000	40%	13,500.0	$186,682.28	$194,246.26	$7,563.98	4.05%	$281,335.82	$281,335.82	$0.00	0.00%	$468,018.10	$475,582.08	$7,563.98	1.62%

Current

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04340
Commodity Energy Charge Off Peak	kWh x	$0.02365
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04340
Commodity Energy Charge Off Peak	kWh x	$0.02365
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$28,942.04	$30,617.13	$1,675.09	5.79%	$28,261.98	$28,261.98	$0.00	0.00%	$57,204.02	$58,879.11	$1,675.09	2.93%
720,000	50%	2,500.0	$28,942.04	$30,617.13	$1,675.09	5.79%	$26,875.07	$26,875.07	$0.00	0.00%	$55,817.11	$57,492.20	$1,675.09	3.00%
720,000	40%	2,500.0	$28,942.04	$30,617.13	$1,675.09	5.79%	$25,488.16	$25,488.16	$0.00	0.00%	$54,430.20	$56,105.29	$1,675.09	3.08%
1,250,000	60%	2,500.0	$31,799.76	$33,474.85	$1,675.09	5.27%	$49,065.93	$49,065.93	$0.00	0.00%	$80,865.69	$82,540.78	$1,675.09	2.07%
1,250,000	50%	2,500.0	$31,799.76	$33,474.85	$1,675.09	5.27%	$46,658.10	$46,658.10	$0.00	0.00%	$78,457.86	$80,132.95	$1,675.09	2.14%
1,250,000	40%	2,500.0	$31,799.76	$33,474.85	$1,675.09	5.27%	$44,250.28	$44,250.28	$0.00	0.00%	$76,050.04	$77,725.13	$1,675.09	2.20%
1,440,000	60%	2,500.0	$32,824.23	$34,499.32	$1,675.09	5.10%	$56,523.95	$56,523.95	$0.00	0.00%	$89,348.18	$91,023.27	$1,675.09	1.87%
1,440,000	50%	2,500.0	$32,824.23	$34,499.32	$1,675.09	5.10%	$53,750.14	$53,750.14	$0.00	0.00%	$86,574.37	$88,249.46	$1,675.09	1.93%
1,440,000	40%	2,500.0	$32,824.23	$34,499.32	$1,675.09	5.10%	$50,976.32	$50,976.32	$0.00	0.00%	$83,800.55	$85,475.64	$1,675.09	2.00%
1,008,000	60%	3,500.0	$39,980.13	$42,190.58	$2,210.44	5.53%	$39,566.77	$39,566.77	$0.00	0.00%	$79,546.90	$81,757.35	$2,210.44	2.78%
1,008,000	50%	3,500.0	$39,980.13	$42,190.58	$2,210.44	5.53%	$37,625.09	$37,625.09	$0.00	0.00%	$77,605.22	$79,815.67	$2,210.44	2.85%
1,008,000	40%	3,500.0	$39,980.13	$42,190.58	$2,210.44	5.53%	$35,683.42	$35,683.42	$0.00	0.00%	$75,663.55	$77,874.00	$2,210.44	2.92%
1,512,000	60%	3,500.0	$42,697.67	$44,908.11	$2,210.44	5.18%	$59,350.15	$59,350.15	$0.00	0.00%	$102,047.82	$104,258.26	$2,210.44	2.17%
1,512,000	50%	3,500.0	$42,697.67	$44,908.11	$2,210.44	5.18%	$56,437.64	$56,437.64	$0.00	0.00%	$99,135.31	$101,345.75	$2,210.44	2.23%
1,512,000	40%	3,500.0	$42,697.67	$44,908.11	$2,210.44	5.18%	$53,525.13	$53,525.13	$0.00	0.00%	$96,222.80	$98,433.24	$2,210.44	2.30%
2,016,000	60%	3,500.0	$45,415.20	$47,625.64	$2,210.44	4.87%	$79,133.54	$79,133.54	$0.00	0.00%	$124,548.74	$126,759.18	$2,210.44	1.77%
2,016,000	50%	3,500.0	$45,415.20	$47,625.64	$2,210.44	4.87%	$75,250.19	$75,250.19	$0.00	0.00%	$120,665.39	$122,875.83	$2,210.44	1.83%
2,016,000	40%	3,500.0	$45,415.20	$47,625.64	$2,210.44	4.87%	$71,366.84	$71,366.84	$0.00	0.00%	$116,782.04	$118,992.48	$2,210.44	1.89%
1,152,000	60%	4,000.0	$45,499.18	$47,977.30	$2,478.12	5.45%	$45,219.16	$45,219.16	$0.00	0.00%	$90,718.34	$93,196.46	$2,478.12	2.73%
1,152,000	50%	4,000.0	$45,499.18	$47,977.30	$2,478.12	5.45%	$43,000.11	$43,000.11	$0.00	0.00%	$88,499.29	$90,977.41	$2,478.12	2.80%
1,152,000	40%	4,000.0	$45,499.18	$47,977.30	$2,478.12	5.45%	$40,781.05	$40,781.05	$0.00	0.00%	$86,280.23	$88,758.35	$2,478.12	2.87%
1,728,000	60%	4,000.0	$48,604.93	$51,083.05	$2,478.12	5.10%	$67,828.74	$67,828.74	$0.00	0.00%	$116,433.67	$118,911.79	$2,478.12	2.13%
1,728,000	50%	4,000.0	$48,604.93	$51,083.05	$2,478.12	5.10%	$64,500.16	$64,500.16	$0.00	0.00%	$113,105.09	$115,583.21	$2,478.12	2.19%
1,728,000	40%	4,000.0	$48,604.93	$51,083.05	$2,478.12	5.10%	$61,171.58	$61,171.58	$0.00	0.00%	$109,776.51	$112,254.63	$2,478.12	2.26%
2,304,000	60%	4,000.0	$51,710.68	$54,188.81	$2,478.12	4.79%	$90,438.33	$90,438.33	$0.00	0.00%	$142,149.01	$144,627.14	$2,478.12	1.74%
2,304,000	50%	4,000.0	$51,710.68	$54,188.81	$2,478.12	4.79%	$86,000.22	$86,000.22	$0.00	0.00%	$137,710.90	$140,189.03	$2,478.12	1.80%
2,304,000	40%	4,000.0	$51,710.68	$54,188.81	$2,478.12	4.79%	$81,562.11	$81,562.11	$0.00	0.00%	$133,272.79	$135,750.92	$2,478.12	1.86%
3,888,000	60%	13,500.0	$150,361.10	$157,925.08	$7,563.98	5.03%	$152,614.68	$152,614.68	$0.00	0.00%	$302,975.78	$310,539.76	$7,563.98	2.50%
3,888,000	50%	13,500.0	$150,361.10	$157,925.08	$7,563.98	5.03%	$145,125.37	$145,125.37	$0.00	0.00%	$295,486.47	$303,050.45	$7,563.98	2.56%
3,888,000	40%	13,500.0	$150,361.10	$157,925.08	$7,563.98	5.03%	$137,636.06	$137,636.06	$0.00	0.00%	$287,997.16	$295,561.14	$7,563.98	2.63%
5,832,000	60%	13,500.0	$160,843.00	$168,406.98	$7,563.98	4.70%	$228,922.01	$228,922.01	$0.00	0.00%	$389,765.01	$397,328.99	$7,563.98	1.94%
5,832,000	50%	13,500.0	$160,843.00	$168,406.98	$7,563.98	4.70%	$217,688.05	$217,688.05	$0.00	0.00%	$378,531.05	$386,095.03	$7,563.98	2.00%
5,832,000	40%	13,500.0	$160,843.00	$168,406.98	$7,563.98	4.70%	$206,454.09	$206,454.09	$0.00	0.00%	$367,297.09	$374,861.07	$7,563.98	2.06%
7,776,000	60%	13,500.0	$171,324.91	$178,888.89	$7,563.98	4.41%	$305,229.35	$305,229.35	$0.00	0.00%	$476,554.26	$484,118.24	$7,563.98	1.59%
7,776,000	50%	13,500.0	$171,324.91	$178,888.89	$7,563.98	4.41%	$290,250.73	$290,250.73	$0.00	0.00%	$461,575.64	$469,139.62	$7,563.98	1.64%
7,776,000	40%	13,500.0	$171,324.91	$178,888.89	$7,563.98	4.41%	$275,272.11	$275,272.11	$0.00	0.00%	$446,597.02	$454,161.00	$7,563.98	1.69%

Current

Customer Charge		$1,333.33
T&D Demand Charge	kW x	$9.58
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04222
Commodity Energy Charge Off Peak	kWh x	$0.02315
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004149
NYPA ETIP Credit	kW x	($0.23)
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04222
Commodity Energy Charge Off Peak	kWh x	$0.02315
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004149
NYPA ETIP Credit	kW x	($0.23)
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,261.05	$15,775.19	$514.14	3.37%	$27,774.70	$27,774.70	$0.00	0.00%	$43,035.75	$43,549.89	$514.14	1.19%
720,000	50%	2,500.0	$15,261.05	$15,775.19	$514.14	3.37%	$26,431.43	$26,431.43	$0.00	0.00%	$41,692.48	$42,206.62	$514.14	1.23%
720,000	40%	2,500.0	$15,261.05	$15,775.19	$514.14	3.37%	$25,088.16	$25,088.16	$0.00	0.00%	$40,349.21	$40,863.35	$514.14	1.27%
1,080,000	60%	2,500.0	$17,659.10	$18,173.24	$514.14	2.91%	$41,662.06	$41,662.06	$0.00	0.00%	$59,321.16	$59,835.30	$514.14	0.87%
1,080,000	50%	2,500.0	$17,659.10	$18,173.24	$514.14	2.91%	$39,647.15	$39,647.15	$0.00	0.00%	$57,306.25	$57,820.39	$514.14	0.90%
1,080,000	40%	2,500.0	$17,659.10	$18,173.24	$514.14	2.91%	$37,632.24	$37,632.24	$0.00	0.00%	$55,291.34	$55,805.48	$514.14	0.93%
1,440,000	60%	2,500.0	$20,057.15	$20,571.29	$514.14	2.56%	$55,549.41	$55,549.41	$0.00	0.00%	$75,606.56	$76,120.70	$514.14	0.68%
1,440,000	50%	2,500.0	$20,057.15	$20,571.29	$514.14	2.56%	$52,862.86	$52,862.86	$0.00	0.00%	$72,920.01	$73,434.15	$514.14	0.71%
1,440,000	40%	2,500.0	$20,057.15	$20,571.29	$514.14	2.56%	$50,176.32	$50,176.32	$0.00	0.00%	$70,233.47	$70,747.61	$514.14	0.73%
1,008,000	60%	3,500.0	$20,660.82	$21,241.63	$580.81	2.81%	$38,884.59	$38,884.59	$0.00	0.00%	$59,545.41	$60,126.22	$580.81	0.98%
1,008,000	50%	3,500.0	$20,660.82	$21,241.63	$580.81	2.81%	$37,004.00	$37,004.00	$0.00	0.00%	$57,664.82	$58,245.63	$580.81	1.01%
1,008,000	40%	3,500.0	$20,660.82	$21,241.63	$580.81	2.81%	$35,123.42	$35,123.42	$0.00	0.00%	$55,784.24	$56,365.05	$580.81	1.04%
1,512,000	60%	3,500.0	$24,018.09	$24,598.90	$580.81	2.42%	$58,326.88	$58,326.88	$0.00	0.00%	$82,344.97	$82,925.78	$580.81	0.71%
1,512,000	50%	3,500.0	$24,018.09	$24,598.90	$580.81	2.42%	$55,506.01	$55,506.01	$0.00	0.00%	$79,524.10	$80,104.91	$580.81	0.73%
1,512,000	40%	3,500.0	$24,018.09	$24,598.90	$580.81	2.42%	$52,685.13	$52,685.13	$0.00	0.00%	$76,703.22	$77,284.03	$580.81	0.76%
2,016,000	60%	3,500.0	$27,375.36	$27,956.17	$580.81	2.12%	$77,769.17	$77,769.17	$0.00	0.00%	$105,144.53	$105,725.34	$580.81	0.55%
2,016,000	50%	3,500.0	$27,375.36	$27,956.17	$580.81	2.12%	$74,008.01	$74,008.01	$0.00	0.00%	$101,383.37	$101,964.18	$580.81	0.57%
2,016,000	40%	3,500.0	$27,375.36	$27,956.17	$580.81	2.12%	$70,246.84	$70,246.84	$0.00	0.00%	$97,622.20	$98,203.01	$580.81	0.59%
1,152,000	60%	4,000.0	$23,360.70	$23,974.84	$614.14	2.63%	$44,439.53	$44,439.53	$0.00	0.00%	$67,800.23	$68,414.37	$614.14	0.91%
1,152,000	50%	4,000.0	$23,360.70	$23,974.84	$614.14	2.63%	$42,290.29	$42,290.29	$0.00	0.00%	$65,650.99	$66,265.13	$614.14	0.94%
1,152,000	40%	4,000.0	$23,360.70	$23,974.84	$614.14	2.63%	$40,141.05	$40,141.05	$0.00	0.00%	$63,501.75	$64,115.89	$614.14	0.97%
2,000,000	60%	4,000.0	$29,009.45	$29,623.59	$614.14	2.12%	$77,151.96	$77,151.96	$0.00	0.00%	$106,161.41	$106,775.55	$614.14	0.58%
2,000,000	50%	4,000.0	$29,009.45	$29,623.59	$614.14	2.12%	$73,420.64	$73,420.64	$0.00	0.00%	$102,430.09	$103,044.23	$614.14	0.60%
2,000,000	40%	4,000.0	$29,009.45	$29,623.59	$614.14	2.12%	$69,689.33	$69,689.33	$0.00	0.00%	$98,698.78	$99,312.92	$614.14	0.62%
2,304,000	60%	4,000.0	$31,034.47	$31,648.61	$614.14	1.98%	$88,879.05	$88,879.05	$0.00	0.00%	$119,913.52	$120,527.66	$614.14	0.51%
2,304,000	50%	4,000.0	$31,034.47	$31,648.61	$614.14	1.98%	$84,580.58	$84,580.58	$0.00	0.00%	$115,615.05	$116,229.19	$614.14	0.53%
2,304,000	40%	4,000.0	$31,034.47	$31,648.61	$614.14	1.98%	$80,282.11	$80,282.11	$0.00	0.00%	$111,316.58	$111,930.72	$614.14	0.55%
3,888,000	60%	13,500.0	$74,658.54	$75,906.01	$1,247.47	1.67%	$149,983.40	$149,983.40	$0.00	0.00%	$224,641.94	$225,889.41	$1,247.47	0.56%
3,888,000	50%	13,500.0	$74,658.54	$75,906.01	$1,247.47	1.67%	$142,729.73	$142,729.73	$0.00	0.00%	$217,388.27	$218,635.74	$1,247.47	0.57%
3,888,000	40%	13,500.0	$74,658.54	$75,906.01	$1,247.47	1.67%	$135,476.06	$135,476.06	$0.00	0.00%	$210,134.60	$211,382.07	$1,247.47	0.59%
5,832,000	60%	13,500.0	$87,608.02	$88,855.49	$1,247.47	1.42%	$224,975.10	$224,975.10	$0.00	0.00%	$312,583.12	$313,830.59	$1,247.47	0.40%
5,832,000	50%	13,500.0	$87,608.02	$88,855.49	$1,247.47	1.42%	$214,094.59	$214,094.59	$0.00	0.00%	$301,702.61	$302,950.08	$1,247.47	0.41%
5,832,000	40%	13,500.0	$87,608.02	$88,855.49	$1,247.47	1.42%	$203,214.09	$203,214.09	$0.00	0.00%	$290,822.11	$292,069.58	$1,247.47	0.43%
7,776,000	60%	13,500.0	$100,557.50	$101,804.98	$1,247.47	1.24%	$299,966.80	$299,966.80	$0.00	0.00%	$400,524.30	$401,771.78	$1,247.47	0.31%
7,776,000	50%	13,500.0	$100,557.50	$101,804.98	$1,247.47	1.24%	$285,459.46	$285,459.46	$0.00	0.00%	$386,016.96	$387,264.44	$1,247.47	0.32%
7,776,000	40%	13,500.0	$100,557.50	$101,804.98	$1,247.47	1.24%	$270,952.11	$270,952.11	$0.00	0.00%	$371,509.61	$372,757.09	$1,247.47	0.34%

Current

Customer Charge		$1,744.00
T&D Demand Charge	kW x	$3.45
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04131
Commodity Energy Charge Off Peak	kWh x	$0.02284
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005406
NYPA Credit	kW x	($0.05)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		2,088.00
T&D Demand Charge	kW x	$3.52
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.04131
Commodity Energy Charge Off Peak	kWh x	$0.02284
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005406
NYPA ETIP Credit	kW x	($0.05)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$14,100.66	$15,490.56	$1,389.90	9.86%	$26,906.34	$26,906.34	$0.00	0.00%	$41,007.00	$42,396.90	$1,389.90	3.39%
720,000	50%	2,500.0	$14,100.66	$15,490.56	$1,389.90	9.86%	$25,638.70	$25,638.70	$0.00	0.00%	$39,739.36	$41,129.26	$1,389.90	3.50%
720,000	40%	2,500.0	$14,100.66	$15,490.56	$1,389.90	9.86%	$24,371.07	$24,371.07	$0.00	0.00%	$38,471.73	$39,861.63	$1,389.90	3.61%
1,080,000	60%	2,500.0	$15,758.09	$17,147.98	$1,389.90	8.82%	$40,359.51	$40,359.51	$0.00	0.00%	$56,117.60	$57,507.49	$1,389.90	2.48%
1,080,000	50%	2,500.0	$15,758.09	$17,147.98	$1,389.90	8.82%	$38,458.06	$38,458.06	$0.00	0.00%	$54,216.15	$55,606.04	$1,389.90	2.56%
1,080,000	40%	2,500.0	$15,758.09	$17,147.98	$1,389.90	8.82%	$36,556.60	$36,556.60	$0.00	0.00%	$52,314.69	$53,704.58	$1,389.90	2.66%
1,440,000	60%	2,500.0	$17,415.51	$18,805.41	$1,389.90	7.98%	$53,812.68	$53,812.68	$0.00	0.00%	$71,228.19	$72,618.09	$1,389.90	1.95%
1,440,000	50%	2,500.0	$17,415.51	$18,805.41	$1,389.90	7.98%	$51,277.41	$51,277.41	$0.00	0.00%	$68,692.92	$70,082.82	$1,389.90	2.02%
1,440,000	40%	2,500.0	$17,415.51	$18,805.41	$1,389.90	7.98%	$48,742.14	$48,742.14	$0.00	0.00%	$66,157.65	$67,547.55	$1,389.90	2.10%
1,008,000	60%	3,500.0	$18,121.94	$19,863.35	$1,741.41	9.61%	$37,668.88	$37,668.88	$0.00	0.00%	$55,790.82	$57,532.23	$1,741.41	3.12%
1,008,000	50%	3,500.0	$18,121.94	$19,863.35	$1,741.41	9.61%	$35,894.19	$35,894.19	$0.00	0.00%	$54,016.13	$55,757.54	$1,741.41	3.22%
1,008,000	40%	3,500.0	$18,121.94	$19,863.35	$1,741.41	9.61%	$34,119.49	$34,119.49	$0.00	0.00%	$52,241.43	$53,982.84	$1,741.41	3.33%
1,512,000	60%	3,500.0	$20,442.33	$22,183.74	$1,741.41	8.52%	$56,503.32	$56,503.32	$0.00	0.00%	$76,945.65	$78,687.06	$1,741.41	2.26%
1,512,000	50%	3,500.0	$20,442.33	$22,183.74	$1,741.41	8.52%	$53,841.28	$53,841.28	$0.00	0.00%	$74,283.61	$76,025.02	$1,741.41	2.34%
1,512,000	40%	3,500.0	$20,442.33	$22,183.74	$1,741.41	8.52%	$51,179.24	$51,179.24	$0.00	0.00%	$71,621.57	$73,362.98	$1,741.41	2.43%
2,016,000	60%	3,500.0	$22,762.72	$24,504.13	$1,741.41	7.65%	$75,337.75	$75,337.75	$0.00	0.00%	$98,100.47	$99,841.88	$1,741.41	1.78%
2,016,000	50%	3,500.0	$22,762.72	$24,504.13	$1,741.41	7.65%	$71,788.37	$71,788.37	$0.00	0.00%	$94,551.09	$96,292.50	$1,741.41	1.84%
2,016,000	40%	3,500.0	$22,762.72	$24,504.13	$1,741.41	7.65%	$68,238.99	$68,238.99	$0.00	0.00%	$91,001.71	$92,743.12	$1,741.41	1.91%
1,152,000	60%	4,000.0	$20,132.58	$22,049.75	$1,917.17	9.52%	$43,050.14	$43,050.14	$0.00	0.00%	$63,182.72	$65,099.89	$1,917.17	3.03%
1,152,000	50%	4,000.0	$20,132.58	$22,049.75	$1,917.17	9.52%	$41,021.93	$41,021.93	$0.00	0.00%	$61,154.51	$63,071.68	$1,917.17	3.13%
1,152,000	40%	4,000.0	$20,132.58	$22,049.75	$1,917.17	9.52%	$38,993.71	$38,993.71	$0.00	0.00%	$59,126.29	$61,043.46	$1,917.17	3.24%
1,728,000	60%	4,000.0	$22,784.45	$24,701.62	$1,917.17	8.41%	$64,575.22	$64,575.22	$0.00	0.00%	$87,359.67	$89,276.84	$1,917.17	2.19%
1,728,000	50%	4,000.0	$22,784.45	$24,701.62	$1,917.17	8.41%	$61,532.89	$61,532.89	$0.00	0.00%	$84,317.34	$86,234.51	$1,917.17	2.27%
1,728,000	40%	4,000.0	$22,784.45	$24,701.62	$1,917.17	8.41%	$58,490.56	$58,490.56	$0.00	0.00%	$81,275.01	$83,192.18	$1,917.17	2.36%
2,304,000	60%	4,000.0	$25,436.33	$27,353.50	$1,917.17	7.54%	$86,100.29	$86,100.29	$0.00	0.00%	$111,536.62	$113,453.79	$1,917.17	1.72%
2,304,000	50%	4,000.0	$25,436.33	$27,353.50	$1,917.17	7.54%	$82,043.85	$82,043.85	$0.00	0.00%	$107,480.18	$109,397.35	$1,917.17	1.78%
2,304,000	40%	4,000.0	$25,436.33	$27,353.50	$1,917.17	7.54%	$77,987.42	$77,987.42	$0.00	0.00%	$103,423.75	$105,340.92	$1,917.17	1.85%
3,888,000	60%	11,500.0	$52,944.02	$57,497.55	$4,553.54	8.60%	$145,294.24	$145,294.24	$0.00	0.00%	$198,238.26	$202,791.79	$4,553.54	2.30%
3,888,000	50%	11,500.0	$52,944.02	$57,497.55	$4,553.54	8.60%	$138,449.00	$138,449.00	$0.00	0.00%	$191,393.02	$195,946.55	$4,553.54	2.38%
3,888,000	40%	11,500.0	$52,944.02	$57,497.55	$4,553.54	8.60%	$131,603.77	$131,603.77	$0.00	0.00%	$184,547.79	$189,101.32	$4,553.54	2.47%
6,300,000	60%	12,000.0	$65,396.41	$70,125.70	$4,729.29	7.23%	$235,430.48	$235,430.48	$0.00	0.00%	$300,826.89	$305,556.18	$4,729.29	1.57%
6,300,000	50%	12,000.0	$65,396.41	$70,125.70	$4,729.29	7.23%	$224,338.66	$224,338.66	$0.00	0.00%	$289,735.07	$294,464.36	$4,729.29	1.63%
6,300,000	40%	12,000.0	$65,396.41	$70,125.70	$4,729.29	7.23%	$213,246.84	$213,246.84	$0.00	0.00%	$278,643.25	$283,372.54	$4,729.29	1.70%
7,776,000	60%	13,500.0	$76,234.85	$81,491.41	$5,256.57	6.90%	$290,588.48	$290,588.48	$0.00	0.00%	$366,823.33	$372,079.89	$5,256.57	1.43%
7,776,000	50%	13,500.0	$76,234.85	$81,491.41	$5,256.57	6.90%	$276,898.00	$276,898.00	$0.00	0.00%	$353,132.85	$358,389.41	$5,256.57	1.49%
7,776,000	40%	13,500.0	$76,234.85	$81,491.41	$5,256.57	6.90%	$263,207.53	$263,207.53	$0.00	0.00%	$339,442.38	$344,698.94	$5,256.57	1.55%

Current

Customer Charge		$4,007.00
T&D Demand Charge	kW x	$2.97
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.03970
Commodity Energy Charge Off Peak	kWh x	$0.02227
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.003369
NYPA ETIP Credit	kWx	($0.34)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		4,513.00
T&D Demand Charge	kW x	$3.32
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001189
Commodity Energy Charge On Peak	kWh x	$0.03970
Commodity Energy Charge Off Peak	kWh x	$0.02227
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.003369
NYPA ETIP Credit	kW x	($0.34)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00363
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$141.42	$147.79	$6.37	4.50%	$41.59	$41.59	$0.00	0.00%	$183.01	$189.38	$6.37	3.48%
1,512	7.0	$144.94	$151.30	$6.36	4.39%	$62.39	$62.39	$0.00	0.00%	$207.33	$213.69	$6.36	3.07%
2,016	7.0	$148.46	$154.82	$6.36	4.28%	$83.19	$83.19	$0.00	0.00%	$231.65	$238.01	$6.36	2.75%
2,520	7.0	$151.98	$158.34	$6.36	4.18%	$103.98	$103.98	$0.00	0.00%	$255.96	$262.32	$6.36	2.48%
2,160	15.0	$242.42	$256.05	$13.63	5.62%	$89.13	$89.13	$0.00	0.00%	$331.55	$345.18	$13.63	4.11%
3,240	15.0	$249.96	$263.60	$13.64	5.46%	$133.69	$133.69	$0.00	0.00%	$383.65	$397.29	$13.64	3.56%
4,320	15.0	$257.50	$271.14	$13.64	5.30%	$178.26	$178.26	$0.00	0.00%	$435.76	$449.40	$13.64	3.13%
5,400	15.0	$265.04	$278.68	$13.64	5.15%	$222.82	$222.82	$0.00	0.00%	$487.86	$501.50	$13.64	2.80%
3,600	25.0	$368.66	$391.39	$22.73	6.17%	$148.55	$148.55	$0.00	0.00%	$517.21	$539.94	$22.73	4.39%
5,400	25.0	$381.23	$403.96	$22.73	5.96%	$222.82	$222.82	$0.00	0.00%	$604.05	$626.78	$22.73	3.76%
7,000	25.0	$392.40	$415.13	$22.73	5.79%	$288.84	$288.84	$0.00	0.00%	$681.24	$703.97	$22.73	3.34%
9,000	25.0	$406.37	$429.10	$22.73	5.59%	$371.37	$371.37	$0.00	0.00%	$777.74	$800.47	$22.73	2.92%
5,760	40.0	$558.03	$594.39	$36.36	6.52%	$237.68	$237.68	$0.00	0.00%	$795.71	$832.07	$36.36	4.57%
8,640	40.0	$578.14	$614.50	$36.36	6.29%	$356.52	$356.52	$0.00	0.00%	$934.66	$971.02	$36.36	3.89%
11,520	40.0	$598.25	$634.61	$36.36	6.08%	$475.36	$475.36	$0.00	0.00%	$1,073.61	$1,109.97	$36.36	3.39%
14,400	40.0	$618.36	$654.73	$36.37	5.88%	$594.19	$594.19	$0.00	0.00%	$1,212.55	$1,248.92	$36.37	3.00%
8,640	60.0	$810.52	$865.06	$54.54	6.73%	$356.52	$356.52	$0.00	0.00%	$1,167.04	$1,221.58	$54.54	4.67%
12,960	60.0	$840.68	$895.23	$54.55	6.49%	$534.77	$534.77	$0.00	0.00%	$1,375.45	$1,430.00	$54.55	3.97%
17,280	60.0	$870.85	$925.40	$54.55	6.26%	$713.03	$713.03	$0.00	0.00%	$1,583.88	$1,638.43	$54.55	3.44%
21,600	60.0	$901.02	$955.56	$54.54	6.05%	$891.29	$891.29	$0.00	0.00%	$1,792.31	$1,846.85	$54.54	3.04%
11,520	80.0	$1,063.01	$1,135.73	$72.72	6.84%	$475.36	$475.36	$0.00	0.00%	$1,538.37	$1,611.09	$72.72	4.73%
17,280	80.0	$1,103.23	$1,175.96	$72.73	6.59%	$713.03	$713.03	$0.00	0.00%	$1,816.26	$1,888.99	$72.73	4.00%
23,040	80.0	$1,143.45	$1,216.18	$72.73	6.36%	$950.71	$950.71	$0.00	0.00%	$2,094.16	$2,166.89	$72.73	3.47%
28,800	80.0	$1,183.67	$1,256.40	$72.73	6.14%	$1,188.39	$1,188.39	$0.00	0.00%	$2,372.06	$2,444.79	$72.73	3.07%
14,400	100.0	$1,315.50	$1,406.40	$90.90	6.91%	$594.19	$594.19	$0.00	0.00%	$1,909.69	$2,000.59	$90.90	4.76%
21,600	100.0	$1,365.77	$1,456.68	$90.91	6.66%	$891.29	$891.29	$0.00	0.00%	$2,257.06	$2,347.97	$90.91	4.03%
28,800	100.0	$1,416.05	$1,506.96	$90.91	6.42%	$1,188.39	$1,188.39	$0.00	0.00%	$2,604.44	$2,695.35	$90.91	3.49%
36,000	100.0	$1,466.33	$1,557.24	$90.91	6.20%	$1,485.49	$1,485.49	$0.00	0.00%	$2,951.82	$3,042.73	$90.91	3.08%

Current

Customer Charge		$52.52
T&D Demand Charge	kW x	$11.46
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03612
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		52.52
T&D Demand Charge	kW x	$12.36
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03612
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit		$0.00
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM Surcharge	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,670.45	$1,783.58	$113.13	6.77%	$1,174.42	$1,174.42	$0.00	0.00%	$2,844.87	$2,958.00	$113.13	3.98%
36,000	100.0	$1,720.44	$1,833.57	$113.13	6.58%	$1,468.03	$1,468.03	$0.00	0.00%	$3,188.47	$3,301.60	$113.13	3.55%
43,200	100.0	$1,770.43	$1,883.56	$113.13	6.39%	$1,761.64	$1,761.64	$0.00	0.00%	$3,532.07	$3,645.20	$113.13	3.20%
57,600	100.0	$1,870.41	$1,983.54	$113.13	6.05%	$2,348.85	$2,348.85	$0.00	0.00%	$4,219.26	$4,332.39	$113.13	2.68%
57,600	200.0	$2,946.96	$3,107.56	$160.60	5.45%	$2,348.85	$2,348.85	$0.00	0.00%	$5,295.81	$5,456.41	$160.60	3.03%
72,000	200.0	$3,046.93	$3,207.54	$160.61	5.27%	$2,936.06	$2,936.06	$0.00	0.00%	$5,982.99	$6,143.60	$160.61	2.68%
86,400	200.0	$3,146.91	$3,307.52	$160.61	5.10%	$3,523.27	$3,523.27	$0.00	0.00%	$6,670.18	$6,830.79	$160.61	2.41%
115,200	200.0	$3,346.87	$3,507.48	$160.61	4.80%	$4,697.70	$4,697.70	$0.00	0.00%	$8,044.57	$8,205.18	$160.61	2.00%
72,000	250.0	$3,585.21	$3,769.55	$184.34	5.14%	$2,936.06	$2,936.06	$0.00	0.00%	$6,521.27	$6,705.61	$184.34	2.83%
90,000	250.0	$3,710.18	$3,894.53	$184.35	4.97%	$3,670.08	$3,670.08	$0.00	0.00%	$7,380.26	$7,564.61	$184.35	2.50%
100,000	250.0	$3,779.61	$3,963.96	$184.35	4.88%	$4,077.86	$4,077.86	$0.00	0.00%	$7,857.47	$8,041.82	$184.35	2.35%
144,000	250.0	$4,085.10	$4,269.45	$184.35	4.51%	$5,872.12	$5,872.12	$0.00	0.00%	$9,957.22	$10,141.57	$184.35	1.85%
144,000	500.0	$6,776.48	$7,079.51	$303.03	4.47%	$5,872.12	$5,872.12	$0.00	0.00%	$12,648.60	$12,951.63	$303.03	2.40%
180,000	500.0	$7,026.43	$7,329.46	$303.03	4.31%	$7,340.15	$7,340.15	$0.00	0.00%	$14,366.58	$14,669.61	$303.03	2.11%
216,000	500.0	$7,276.37	$7,579.40	$303.03	4.16%	$8,808.19	$8,808.19	$0.00	0.00%	$16,084.56	$16,387.59	$303.03	1.88%
288,000	500.0	$7,776.27	$8,079.30	$303.03	3.90%	$11,744.25	$11,744.25	$0.00	0.00%	$19,520.52	$19,823.55	$303.03	1.55%
216,000	750.0	$9,967.75	$10,389.47	$421.72	4.23%	$8,808.19	$8,808.19	$0.00	0.00%	$18,775.94	$19,197.66	$421.72	2.25%
270,000	750.0	$10,342.67	$10,764.39	$421.72	4.08%	$11,010.23	$11,010.23	$0.00	0.00%	$21,352.90	$21,774.62	$421.72	1.97%
324,000	750.0	$10,717.59	$11,139.31	$421.72	3.93%	$13,212.28	$13,212.28	$0.00	0.00%	$23,929.87	$24,351.59	$421.72	1.76%
432,000	750.0	$11,467.43	$11,889.15	$421.72	3.68%	$17,616.37	$17,616.37	$0.00	0.00%	$29,083.80	$29,505.52	$421.72	1.45%
432,000	1,500.0	$19,541.56	$20,319.34	$777.78	3.98%	$17,616.37	$17,616.37	$0.00	0.00%	$37,157.93	$37,935.71	$777.78	2.09%
540,000	1,500.0	$20,291.40	$21,069.18	$777.78	3.83%	$22,020.46	$22,020.46	$0.00	0.00%	$42,311.86	$43,089.64	$777.78	1.84%
648,000	1,500.0	$21,041.24	$21,819.02	$777.78	3.70%	$26,424.56	$26,424.56	$0.00	0.00%	$47,465.80	$48,243.58	$777.78	1.64%
864,000	1,500.0	$22,540.93	$23,318.70	$777.77	3.45%	$35,232.74	$35,232.74	$0.00	0.00%	$57,773.67	$58,551.44	$777.77	1.35%
576,000	2,000.0	$25,924.10	$26,939.25	$1,015.15	3.92%	$23,488.49	$23,488.49	$0.00	0.00%	$49,412.59	$50,427.74	$1,015.15	2.05%
720,000	2,000.0	$26,923.89	$27,939.04	$1,015.15	3.77%	$29,360.62	$29,360.62	$0.00	0.00%	$56,284.51	$57,299.66	$1,015.15	1.80%
864,000	2,000.0	$27,923.68	$28,938.83	$1,015.15	3.64%	$35,232.74	$35,232.74	$0.00	0.00%	$63,156.42	$64,171.57	$1,015.15	1.61%
1,152,000	2,000.0	$29,923.26	$30,938.41	$1,015.15	3.39%	$46,976.99	$46,976.99	$0.00	0.00%	$76,900.25	$77,915.40	$1,015.15	1.32%

Current

Customer Charge		$390.00
T&D Demand Charge	kW x	$10.62
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03564
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005661
NYPA ETIP Credit	kW x	(0.005)
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		455.00
T&D Demand Charge	kW x	$11.09
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03564
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005661
NYPA ETIP Credit	kW x	($0.005)
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,566.48	$1,625.07	$58.59	3.74%	$1,139.22	$1,139.22	$0.00	0.00%	$2,705.70	$2,764.29	$58.59	2.17%
36,000	100.0	$1,615.00	$1,673.59	$58.59	3.63%	$1,424.03	$1,424.03	$0.00	0.00%	$3,039.03	$3,097.62	$58.59	1.93%
43,200	100.0	$1,663.52	$1,722.11	$58.59	3.52%	$1,708.84	$1,708.84	$0.00	0.00%	$3,372.36	$3,430.95	$58.59	1.74%
57,600	100.0	$1,760.57	$1,819.16	$58.59	3.33%	$2,278.45	$2,278.45	$0.00	0.00%	$4,039.02	$4,097.61	$58.59	1.45%
57,600	200.0	$2,691.85	$2,809.02	$117.17	4.35%	$2,278.45	$2,278.45	$0.00	0.00%	$4,970.30	$5,087.47	$117.17	2.36%
72,000	200.0	$2,788.89	$2,906.07	$117.18	4.20%	$2,848.06	$2,848.06	$0.00	0.00%	$5,636.95	$5,754.13	$117.18	2.08%
86,400	200.0	$2,885.94	$3,003.11	$117.17	4.06%	$3,417.67	$3,417.67	$0.00	0.00%	$6,303.61	$6,420.78	$117.17	1.86%
115,200	200.0	$3,080.03	$3,197.20	$117.17	3.80%	$4,556.90	$4,556.90	$0.00	0.00%	$7,636.93	$7,754.10	$117.17	1.53%
72,000	250.0	$3,254.53	$3,401.00	$146.47	4.50%	$2,848.06	$2,848.06	$0.00	0.00%	$6,102.59	$6,249.06	$146.47	2.40%
90,000	250.0	$3,375.84	$3,522.30	$146.46	4.34%	$3,560.08	$3,560.08	$0.00	0.00%	$6,935.92	$7,082.38	$146.46	2.11%
108,000	250.0	$3,497.15	$3,643.61	$146.46	4.19%	$4,272.09	$4,272.09	$0.00	0.00%	$7,769.24	$7,915.70	$146.46	1.89%
144,000	250.0	$3,739.76	$3,886.22	$146.46	3.92%	$5,696.12	$5,696.12	$0.00	0.00%	$9,435.88	$9,582.34	$146.46	1.55%
144,000	500.0	$6,067.95	$6,360.88	$292.93	4.83%	$5,696.12	$5,696.12	$0.00	0.00%	$11,764.07	$12,057.00	$292.93	2.49%
180,000	500.0	$6,310.57	$6,603.50	$292.93	4.64%	$7,120.15	$7,120.15	$0.00	0.00%	$13,430.72	$13,723.65	$292.93	2.18%
225,000	500.0	$6,613.83	$6,906.76	$292.93	4.43%	$8,900.19	$8,900.19	$0.00	0.00%	$15,514.02	$15,806.95	$292.93	1.89%
288,000	500.0	$7,038.41	$7,331.34	$292.93	4.16%	$11,392.25	$11,392.25	$0.00	0.00%	$18,430.66	$18,723.59	$292.93	1.59%
216,000	750.0	$8,881.38	$9,320.77	$439.39	4.95%	$8,544.19	$8,544.19	$0.00	0.00%	$17,425.57	$17,864.96	$439.39	2.52%
270,000	750.0	$9,245.30	$9,684.69	$439.39	4.75%	$10,680.23	$10,680.23	$0.00	0.00%	$19,925.53	$20,364.92	$439.39	2.21%
324,000	750.0	$9,609.21	$10,048.61	$439.40	4.57%	$12,816.28	$12,816.28	$0.00	0.00%	$22,425.49	$22,864.89	$439.40	1.96%
432,000	750.0	$10,337.05	$10,776.45	$439.40	4.25%	$17,088.37	$17,088.37	$0.00	0.00%	$27,425.42	$27,864.82	$439.40	1.60%
432,000	1,500.0	$17,321.64	$18,200.43	$878.79	5.07%	$17,088.37	$17,088.37	$0.00	0.00%	$34,410.01	$35,288.80	$878.79	2.55%
540,000	1,500.0	$18,049.48	$18,928.27	$878.79	4.87%	$21,360.46	$21,360.46	$0.00	0.00%	$39,409.94	$40,288.73	$878.79	2.23%
648,000	1,500.0	$18,777.32	$19,656.11	$878.79	4.68%	$25,632.56	$25,632.56	$0.00	0.00%	$44,409.88	$45,288.67	$878.79	1.98%
864,000	1,500.0	$20,233.00	$21,111.79	$878.79	4.34%	$34,176.74	$34,176.74	$0.00	0.00%	$54,409.74	$55,288.53	$878.79	1.62%
576,000	2,000.0	$22,948.48	$24,120.20	$1,171.72	5.11%	$22,784.49	$22,784.49	$0.00	0.00%	$45,732.97	$46,904.69	$1,171.72	2.56%
720,000	2,000.0	$23,918.93	$25,090.65	$1,171.72	4.90%	$28,480.62	$28,480.62	$0.00	0.00%	$52,399.55	$53,571.27	$1,171.72	2.24%
864,000	2,000.0	$24,889.39	$26,061.11	$1,171.72	4.71%	$34,176.74	$34,176.74	$0.00	0.00%	$59,066.13	$60,237.85	$1,171.72	1.98%
1,152,000	2,000.0	$26,830.29	$28,002.01	$1,171.72	4.37%	$45,568.99	$45,568.99	$0.00	0.00%	$72,399.28	$73,571.00	$1,171.72	1.62%

Current

Customer Charge		$436.70
T&D Demand Charge	kW x	$9.21
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03443
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005460
NYPA ETIP Credit	kW x	($0.03)
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		436.70
T&D Demand Charge	kW x	$9.79
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03443
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005460
NYPA ETIP Credit	kW x	($0.03)
Merchant Function Charge	kWh x	$0.00065
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,160.61	$1,249.50	$88.89	7.66%	$1,115.08	$1,115.08	$0.00	0.00%	$2,275.69	$2,364.58	$88.89	3.91%
36,000	100.0	$1,202.20	$1,291.09	$88.89	7.39%	$1,393.85	$1,393.85	$0.00	0.00%	$2,596.05	$2,684.94	$88.89	3.42%
43,200	100.0	$1,243.80	$1,332.68	$88.88	7.15%	$1,672.62	$1,672.62	$0.00	0.00%	$2,916.42	$3,005.30	$88.88	3.05%
57,600	100.0	$1,326.98	$1,415.87	$88.89	6.70%	$2,230.16	$2,230.16	$0.00	0.00%	$3,557.14	$3,646.03	$88.89	2.50%
57,600	200.0	$1,602.03	$1,705.06	$103.03	6.43%	$2,230.16	$2,230.16	$0.00	0.00%	$3,832.19	$3,935.22	$103.03	2.69%
72,000	200.0	$1,685.21	$1,788.24	$103.03	6.11%	$2,787.70	$2,787.70	$0.00	0.00%	$4,472.91	$4,575.94	$103.03	2.30%
86,400	200.0	$1,768.40	$1,871.43	$103.03	5.83%	$3,345.24	$3,345.24	$0.00	0.00%	$5,113.64	$5,216.67	$103.03	2.01%
115,200	200.0	$1,934.77	$2,037.80	$103.03	5.33%	$4,460.32	$4,460.32	$0.00	0.00%	$6,395.09	$6,498.12	$103.03	1.61%
72,000	250.0	$1,822.73	$1,932.84	$110.11	6.04%	$2,787.70	$2,787.70	$0.00	0.00%	$4,610.43	$4,720.54	$110.11	2.39%
90,000	250.0	$1,926.72	$2,036.82	$110.10	5.71%	$3,484.62	$3,484.62	$0.00	0.00%	$5,411.34	$5,521.44	$110.10	2.03%
108,000	250.0	$2,030.70	$2,140.80	$110.10	5.42%	$4,181.55	$4,181.55	$0.00	0.00%	$6,212.25	$6,322.35	$110.10	1.77%
144,000	250.0	$2,238.66	$2,348.77	$110.11	4.92%	$5,575.40	$5,575.40	$0.00	0.00%	$7,814.06	$7,924.17	$110.11	1.41%
144,000	500.0	$2,926.28	$3,071.73	$145.45	4.97%	$5,575.40	$5,575.40	$0.00	0.00%	$8,501.68	$8,647.13	$145.45	1.71%
180,000	500.0	$3,134.24	$3,279.70	$145.46	4.64%	$6,969.25	$6,969.25	$0.00	0.00%	$10,103.49	$10,248.95	$145.46	1.44%
216,000	500.0	$3,342.21	$3,487.66	$145.45	4.35%	$8,363.09	$8,363.09	$0.00	0.00%	$11,705.30	$11,850.75	$145.45	1.24%
288,000	500.0	$3,758.14	$3,903.59	$145.45	3.87%	$11,150.79	$11,150.79	$0.00	0.00%	$14,908.93	$15,054.38	$145.45	0.98%
216,000	800.0	$4,167.34	$4,355.22	$187.88	4.51%	$8,363.09	$8,363.09	$0.00	0.00%	$12,530.43	$12,718.31	$187.88	1.50%
270,000	800.0	$4,479.29	$4,667.17	$187.88	4.19%	$10,453.87	$10,453.87	$0.00	0.00%	$14,933.16	$15,121.04	$187.88	1.26%
320,000	800.0	$4,768.13	$4,956.01	$187.88	3.94%	$12,389.77	$12,389.77	$0.00	0.00%	$17,157.90	$17,345.78	$187.88	1.10%
432,000	800.0	$5,415.13	$5,603.01	$187.88	3.47%	$16,726.19	$16,726.19	$0.00	0.00%	$22,141.32	$22,329.20	$187.88	0.85%
432,000	1,500.0	$7,340.45	$7,627.32	$286.87	3.91%	$16,726.19	$16,726.19	$0.00	0.00%	$24,066.64	$24,353.51	$286.87	1.19%
540,000	1,500.0	$7,964.34	$8,251.21	$286.87	3.60%	$20,907.74	$20,907.74	$0.00	0.00%	$28,872.08	$29,158.95	$286.87	0.99%
648,000	1,500.0	$8,588.24	$8,875.11	$286.87	3.34%	$25,089.28	$25,089.28	$0.00	0.00%	$33,677.52	$33,964.39	$286.87	0.85%
864,000	1,500.0	$9,836.03	$10,122.90	$286.87	2.92%	$33,452.38	$33,452.38	$0.00	0.00%	$43,288.41	$43,575.28	$286.87	0.66%
576,000	2,000.0	$9,547.53	$9,905.11	$357.58	3.75%	$22,301.59	$22,301.59	$0.00	0.00%	$31,849.12	$32,206.70	$357.58	1.12%
720,000	2,000.0	$10,379.39	$10,736.97	$357.58	3.45%	$27,876.98	$27,876.98	$0.00	0.00%	$38,256.37	$38,613.95	$357.58	0.93%
864,000	2,000.0	$11,211.25	$11,568.83	$357.58	3.19%	$33,452.38	$33,452.38	$0.00	0.00%	$44,663.63	$45,021.21	$357.58	0.80%
1,152,000	2,000.0	$12,874.98	$13,232.55	$357.57	2.78%	$44,603.17	$44,603.17	$0.00	0.00%	$57,478.15	$57,835.72	$357.57	0.62%

Current

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03360
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004507
NYPA ETIP Credit	kW x	($0.14)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		$786.00
T&D Demand Charge	kW x	$2.96
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03360
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004507
NYPA ETIP Credit	kW x	($0.14)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,143.60	$1,232.49	$88.89	7.77%	$1,128.75	$1,128.75	$0.00	0.00%	$2,272.35	$2,361.24	$88.89	3.91%
36,000	100.0	$1,182.17	$1,271.06	$88.89	7.52%	$1,410.94	$1,410.94	$0.00	0.00%	$2,593.11	$2,682.00	$88.89	3.43%
43,200	100.0	$1,220.74	$1,309.63	$88.89	7.28%	$1,693.13	$1,693.13	$0.00	0.00%	$2,913.87	$3,002.76	$88.89	3.05%
57,600	100.0	$1,297.88	$1,386.77	$88.89	6.85%	$2,257.50	$2,257.50	$0.00	0.00%	$3,555.38	$3,644.27	$88.89	2.50%
57,600	200.0	$1,568.01	$1,671.04	$103.03	6.57%	$2,257.50	$2,257.50	$0.00	0.00%	$3,825.51	$3,928.54	$103.03	2.69%
72,000	200.0	$1,645.15	$1,748.18	$103.03	6.26%	$2,821.88	$2,821.88	$0.00	0.00%	$4,467.03	$4,570.06	$103.03	2.31%
86,400	200.0	$1,722.29	$1,825.32	$103.03	5.98%	$3,386.26	$3,386.26	$0.00	0.00%	$5,108.55	$5,211.58	$103.03	2.02%
115,200	200.0	$1,876.57	$1,979.61	$103.04	5.49%	$4,515.01	$4,515.01	$0.00	0.00%	$6,391.58	$6,494.62	$103.04	1.61%
72,000	250.0	$1,780.22	$1,890.32	$110.10	6.18%	$2,821.88	$2,821.88	$0.00	0.00%	$4,602.10	$4,712.20	$110.10	2.39%
90,000	250.0	$1,876.64	$1,986.75	$110.11	5.87%	$3,527.35	$3,527.35	$0.00	0.00%	$5,403.99	$5,514.10	$110.11	2.04%
108,000	250.0	$1,973.07	$2,083.17	$110.10	5.58%	$4,232.82	$4,232.82	$0.00	0.00%	$6,205.89	$6,315.99	$110.10	1.77%
144,000	250.0	$2,165.92	$2,276.02	$110.10	5.08%	$5,643.76	$5,643.76	$0.00	0.00%	$7,809.68	$7,919.78	$110.10	1.41%
144,000	500.0	$2,841.25	$2,986.70	$145.45	5.12%	$5,643.76	$5,643.76	$0.00	0.00%	$8,485.01	$8,630.46	$145.45	1.71%
180,000	500.0	$3,034.10	$3,179.55	$145.45	4.79%	$7,054.70	$7,054.70	$0.00	0.00%	$10,088.80	$10,234.25	$145.45	1.44%
216,000	500.0	$3,226.95	$3,372.40	$145.45	4.51%	$8,465.64	$8,465.64	$0.00	0.00%	$11,692.59	$11,838.04	$145.45	1.24%
288,000	500.0	$3,612.65	$3,758.10	$145.45	4.03%	$11,287.52	$11,287.52	$0.00	0.00%	$14,900.17	$15,045.62	$145.45	0.98%
216,000	800.0	$4,037.34	$4,225.22	$187.88	4.65%	$8,465.64	$8,465.64	$0.00	0.00%	$12,502.98	$12,690.86	$187.88	1.50%
270,000	800.0	$4,326.62	$4,514.50	$187.88	4.34%	$10,582.05	$10,582.05	$0.00	0.00%	$14,908.67	$15,096.55	$187.88	1.26%
320,000	800.0	$4,594.46	$4,782.34	$187.88	4.09%	$12,541.69	$12,541.69	$0.00	0.00%	$17,136.15	$17,324.03	$187.88	1.10%
432,000	800.0	$5,194.44	$5,382.32	$187.88	3.62%	$16,931.28	$16,931.28	$0.00	0.00%	$22,125.72	$22,313.60	$187.88	0.85%
432,000	1,500.0	$7,085.36	$7,372.23	$286.87	4.05%	$16,931.28	$16,931.28	$0.00	0.00%	$24,016.64	$24,303.51	$286.87	1.19%
540,000	1,500.0	$7,663.91	$7,950.78	$286.87	3.74%	$21,164.10	$21,164.10	$0.00	0.00%	$28,828.01	$29,114.88	$286.87	1.00%
648,000	1,500.0	$8,242.46	$8,529.33	$286.87	3.48%	$25,396.92	$25,396.92	$0.00	0.00%	$33,639.38	$33,926.25	$286.87	0.85%
864,000	1,500.0	$9,399.56	$9,686.43	$286.87	3.05%	$33,862.56	$33,862.56	$0.00	0.00%	$43,262.12	$43,548.99	$286.87	0.66%
576,000	2,000.0	$9,207.41	$9,564.99	$357.58	3.88%	$22,575.04	$22,575.04	$0.00	0.00%	$31,782.45	$32,140.03	$357.58	1.13%
720,000	2,000.0	$9,978.82	$10,336.39	$357.57	3.58%	$28,218.80	$28,218.80	$0.00	0.00%	$38,197.62	$38,555.19	$357.57	0.94%
864,000	2,000.0	$10,750.22	$11,107.79	$357.57	3.33%	$33,862.56	$33,862.56	$0.00	0.00%	$44,612.78	$44,970.35	$357.57	0.80%
1,152,000	2,000.0	$12,293.02	$12,650.60	$357.58	2.91%	$45,150.08	$45,150.08	$0.00	0.00%	$57,443.10	$57,800.68	$357.58	0.62%

Current

Customer Charge		$712.00
T&D Demand Charge	kW x	$2.82
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03407
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004091
NYPA ETIP Credit	kW x	($0.19)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.004080
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		786.00
T&D Demand Charge	kW x	$2.96
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge	kWh x	$0.03407
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004091
NYPA ETIP Credit	kW x	($0.19)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.000000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$29,540.98	$29,540.98	$0.00	0.00%	$61,890.39	$63,615.98	$1,725.59	2.79%
720,000	50%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$28,066.07	$28,066.07	$0.00	0.00%	$60,415.48	$62,141.07	$1,725.59	2.86%
720,000	40%	2,500.0	$32,349.41	$34,075.00	$1,725.59	5.33%	$26,591.16	$26,591.16	$0.00	0.00%	$58,940.57	$60,666.16	$1,725.59	2.93%
1,250,000	60%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$51,286.43	$51,286.43	$0.00	0.00%	$87,336.83	$89,062.41	$1,725.59	1.98%
1,250,000	50%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$48,725.82	$48,725.82	$0.00	0.00%	$84,776.22	$86,501.80	$1,725.59	2.04%
1,250,000	40%	2,500.0	$36,050.40	$37,775.98	$1,725.59	4.79%	$46,165.21	$46,165.21	$0.00	0.00%	$82,215.61	$83,941.19	$1,725.59	2.10%
1,440,000	60%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$59,081.96	$59,081.96	$0.00	0.00%	$96,459.13	$98,184.71	$1,725.59	1.79%
1,440,000	50%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$56,132.14	$56,132.14	$0.00	0.00%	$93,509.31	$95,234.89	$1,725.59	1.85%
1,440,000	40%	2,500.0	$37,377.17	$39,102.75	$1,725.59	4.62%	$53,182.33	$53,182.33	$0.00	0.00%	$90,559.50	$92,285.08	$1,725.59	1.91%
1,008,000	60%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$41,357.37	$41,357.37	$0.00	0.00%	$85,973.14	$88,254.29	$2,281.14	2.65%
1,008,000	50%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$39,292.50	$39,292.50	$0.00	0.00%	$83,908.27	$86,189.42	$2,281.14	2.72%
1,008,000	40%	3,500.0	$44,615.77	$46,896.92	$2,281.14	5.11%	$37,227.63	$37,227.63	$0.00	0.00%	$81,843.40	$84,124.55	$2,281.14	2.79%
1,512,000	60%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$62,036.06	$62,036.06	$0.00	0.00%	$110,171.26	$112,452.40	$2,281.14	2.07%
1,512,000	50%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$58,938.75	$58,938.75	$0.00	0.00%	$107,073.95	$109,355.09	$2,281.14	2.13%
1,512,000	40%	3,500.0	$48,135.20	$50,416.34	$2,281.14	4.74%	$55,841.44	$55,841.44	$0.00	0.00%	$103,976.64	$106,257.78	$2,281.14	2.19%
2,016,000	60%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$82,714.75	$82,714.75	$0.00	0.00%	$134,369.38	$136,650.52	$2,281.14	1.70%
2,016,000	50%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$78,585.00	$78,585.00	$0.00	0.00%	$130,239.63	$132,520.77	$2,281.14	1.75%
2,016,000	40%	3,500.0	$51,654.63	$53,935.77	$2,281.14	4.42%	$74,455.26	$74,455.26	$0.00	0.00%	$126,109.89	$128,391.03	$2,281.14	1.81%
1,152,000	60%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$47,265.57	$47,265.57	$0.00	0.00%	$98,014.53	$100,573.45	$2,558.92	2.61%
1,152,000	50%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$44,905.72	$44,905.72	$0.00	0.00%	$95,654.68	$98,213.60	$2,558.92	2.68%
1,152,000	40%	4,000.0	$50,748.96	$53,307.88	$2,558.92	5.04%	$42,545.86	$42,545.86	$0.00	0.00%	$93,294.82	$95,853.74	$2,558.92	2.74%
1,728,000	60%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$70,898.36	$70,898.36	$0.00	0.00%	$125,669.52	$128,228.44	$2,558.92	2.04%
1,728,000	50%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$67,358.57	$67,358.57	$0.00	0.00%	$122,129.73	$124,688.65	$2,558.92	2.10%
1,728,000	40%	4,000.0	$54,771.16	$57,330.08	$2,558.92	4.67%	$63,818.79	$63,818.79	$0.00	0.00%	$118,589.95	$121,148.87	$2,558.92	2.16%
2,304,000	60%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$94,531.14	$94,531.14	$0.00	0.00%	$153,324.50	$155,883.42	$2,558.92	1.67%
2,304,000	50%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$89,811.43	$89,811.43	$0.00	0.00%	$148,604.79	$151,163.71	$2,558.92	1.72%
2,304,000	40%	4,000.0	$58,793.36	$61,352.28	$2,558.92	4.35%	$85,091.72	$85,091.72	$0.00	0.00%	$143,885.08	$146,444.00	$2,558.92	1.78%
3,888,000	60%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$159,521.30	$159,521.30	$0.00	0.00%	$326,800.70	$334,637.40	$7,836.70	2.40%
3,888,000	50%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$151,556.79	$151,556.79	$0.00	0.00%	$318,836.19	$326,672.89	$7,836.70	2.46%
3,888,000	40%	13,500.0	$167,279.40	$175,116.10	$7,836.70	4.68%	$143,592.28	$143,592.28	$0.00	0.00%	$310,871.68	$318,708.38	$7,836.70	2.52%
5,832,000	60%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$239,281.95	$239,281.95	$0.00	0.00%	$420,136.29	$427,972.99	$7,836.70	1.87%
5,832,000	50%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$227,335.19	$227,335.19	$0.00	0.00%	$408,189.53	$416,026.23	$7,836.70	1.92%
5,832,000	40%	13,500.0	$180,854.34	$188,691.04	$7,836.70	4.33%	$215,388.42	$215,388.42	$0.00	0.00%	$396,242.76	$404,079.46	$7,836.70	1.98%
7,776,000	60%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$319,042.60	$319,042.60	$0.00	0.00%	$513,471.88	$521,308.58	$7,836.70	1.53%
7,776,000	50%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$303,113.58	$303,113.58	$0.00	0.00%	$497,542.86	$505,379.56	$7,836.70	1.58%
7,776,000	40%	13,500.0	$194,429.28	$202,265.98	$7,836.70	4.03%	$287,184.56	$287,184.56	$0.00	0.00%	$481,613.84	$489,450.54	$7,836.70	1.63%

Current

Customer Charge		$1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04400
Commodity Energy Charge Off Peak	kWh x	$0.02372
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		2,000.00
T&D Demand Charge	kW x	$10.66
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04400
Commodity Energy Charge Off Peak	kWh x	$0.02372
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.005701
NYPA ETIP Credit	kW x	$0.00
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$30,634.08	$32,359.66	$1,725.59	5.63%	$28,868.98	$28,868.98	$0.00	0.00%	$59,503.06	$61,228.64	$1,725.59	2.90%
720,000	50%	2,500.0	$30,634.08	$32,359.66	$1,725.59	5.63%	$27,444.25	$27,444.25	$0.00	0.00%	$58,078.33	$59,803.91	$1,725.59	2.97%
720,000	40%	2,500.0	$30,634.08	$32,359.66	$1,725.59	5.63%	$26,019.53	$26,019.53	$0.00	0.00%	$56,653.61	$58,379.19	$1,725.59	3.05%
1,250,000	60%	2,500.0	$33,504.27	$35,229.86	$1,725.59	5.15%	$50,119.76	$50,119.76	$0.00	0.00%	$83,624.03	$85,349.62	$1,725.59	2.06%
1,250,000	50%	2,500.0	$33,504.27	$35,229.86	$1,725.59	5.15%	$47,646.27	$47,646.27	$0.00	0.00%	$81,150.54	$82,876.13	$1,725.59	2.13%
1,250,000	40%	2,500.0	$33,504.27	$35,229.86	$1,725.59	5.15%	$45,172.79	$45,172.79	$0.00	0.00%	$78,677.06	$80,402.65	$1,725.59	2.19%
1,440,000	60%	2,500.0	$34,533.21	$36,258.80	$1,725.59	5.00%	$57,737.96	$57,737.96	$0.00	0.00%	$92,271.17	$93,996.76	$1,725.59	1.87%
1,440,000	50%	2,500.0	$34,533.21	$36,258.80	$1,725.59	5.00%	$54,888.51	$54,888.51	$0.00	0.00%	$89,421.72	$91,147.31	$1,725.59	1.93%
1,440,000	40%	2,500.0	$34,533.21	$36,258.80	$1,725.59	5.00%	$52,039.05	$52,039.05	$0.00	0.00%	$86,572.26	$88,297.85	$1,725.59	1.99%
1,008,000	60%	3,500.0	$42,214.30	$44,495.45	$2,281.14	5.40%	$40,416.57	$40,416.57	$0.00	0.00%	$82,630.87	$84,912.02	$2,281.14	2.76%
1,008,000	50%	3,500.0	$42,214.30	$44,495.45	$2,281.14	5.40%	$38,421.96	$38,421.96	$0.00	0.00%	$80,636.26	$82,917.41	$2,281.14	2.83%
1,008,000	40%	3,500.0	$42,214.30	$44,495.45	$2,281.14	5.40%	$36,427.34	$36,427.34	$0.00	0.00%	$78,641.64	$80,922.79	$2,281.14	2.90%
1,512,000	60%	3,500.0	$44,943.70	$47,224.84	$2,281.14	5.08%	$60,624.86	$60,624.86	$0.00	0.00%	$105,568.56	$107,849.70	$2,281.14	2.16%
1,512,000	50%	3,500.0	$44,943.70	$47,224.84	$2,281.14	5.08%	$57,632.93	$57,632.93	$0.00	0.00%	$102,576.63	$104,857.77	$2,281.14	2.22%
1,512,000	40%	3,500.0	$44,943.70	$47,224.84	$2,281.14	5.08%	$54,641.01	$54,641.01	$0.00	0.00%	$99,584.71	$101,865.85	$2,281.14	2.29%
2,016,000	60%	3,500.0	$47,673.09	$49,954.23	$2,281.14	4.78%	$80,833.15	$80,833.15	$0.00	0.00%	$128,506.24	$130,787.38	$2,281.14	1.78%
2,016,000	50%	3,500.0	$47,673.09	$49,954.23	$2,281.14	4.78%	$76,843.91	$76,843.91	$0.00	0.00%	$124,517.00	$126,798.14	$2,281.14	1.83%
2,016,000	40%	3,500.0	$47,673.09	$49,954.23	$2,281.14	4.78%	$72,854.68	$72,854.68	$0.00	0.00%	$120,527.77	$122,808.91	$2,281.14	1.89%
1,152,000	60%	4,000.0	$48,004.42	$50,563.34	$2,558.92	5.33%	$46,190.37	$46,190.37	$0.00	0.00%	$94,194.79	$96,753.71	$2,558.92	2.72%
1,152,000	50%	4,000.0	$48,004.42	$50,563.34	$2,558.92	5.33%	$43,910.81	$43,910.81	$0.00	0.00%	$91,915.23	$94,474.15	$2,558.92	2.78%
1,152,000	40%	4,000.0	$48,004.42	$50,563.34	$2,558.92	5.33%	$41,631.24	$41,631.24	$0.00	0.00%	$89,635.66	$92,194.58	$2,558.92	2.85%
1,728,000	60%	4,000.0	$51,123.73	$53,682.65	$2,558.92	5.01%	$69,285.56	$69,285.56	$0.00	0.00%	$120,409.29	$122,968.21	$2,558.92	2.13%
1,728,000	50%	4,000.0	$51,123.73	$53,682.65	$2,558.92	5.01%	$65,866.21	$65,866.21	$0.00	0.00%	$116,989.94	$119,548.86	$2,558.92	2.19%
1,728,000	40%	4,000.0	$51,123.73	$53,682.65	$2,558.92	5.01%	$62,446.86	$62,446.86	$0.00	0.00%	$113,570.59	$116,129.51	$2,558.92	2.25%
2,304,000	60%	4,000.0	$54,243.03	$56,801.95	$2,558.92	4.72%	$92,380.74	$92,380.74	$0.00	0.00%	$146,623.77	$149,182.69	$2,558.92	1.75%
2,304,000	50%	4,000.0	$54,243.03	$56,801.95	$2,558.92	4.72%	$87,821.61	$87,821.61	$0.00	0.00%	$142,064.64	$144,623.56	$2,558.92	1.80%
2,304,000	40%	4,000.0	$54,243.03	$56,801.95	$2,558.92	4.72%	$83,262.49	$83,262.49	$0.00	0.00%	$137,505.52	$140,064.44	$2,558.92	1.86%
3,888,000	60%	13,500.0	$158,016.59	$165,853.28	$7,836.70	4.96%	$155,892.50	$155,892.50	$0.00	0.00%	$313,909.09	$321,745.78	$7,836.70	2.50%
3,888,000	50%	13,500.0	$158,016.59	$165,853.28	$7,836.70	4.96%	$148,198.97	$148,198.97	$0.00	0.00%	$306,215.56	$314,052.25	$7,836.70	2.56%
3,888,000	40%	13,500.0	$158,016.59	$165,853.28	$7,836.70	4.96%	$140,505.45	$140,505.45	$0.00	0.00%	$298,522.04	$306,358.73	$7,836.70	2.63%
5,832,000	60%	13,500.0	$168,544.25	$176,380.95	$7,836.70	4.65%	$233,838.75	$233,838.75	$0.00	0.00%	$402,383.00	$410,219.70	$7,836.70	1.95%
5,832,000	50%	13,500.0	$168,544.25	$176,380.95	$7,836.70	4.65%	$222,298.46	$222,298.46	$0.00	0.00%	$390,842.71	$398,679.41	$7,836.70	2.01%
5,832,000	40%	13,500.0	$168,544.25	$176,380.95	$7,836.70	4.65%	$210,758.17	$210,758.17	$0.00	0.00%	$379,302.42	$387,139.12	$7,836.70	2.07%
7,776,000	60%	13,500.0	$179,071.92	$186,908.61	$7,836.70	4.38%	$311,785.00	$311,785.00	$0.00	0.00%	$490,856.92	$498,693.61	$7,836.70	1.60%
7,776,000	50%	13,500.0	$179,071.92	$186,908.61	$7,836.70	4.38%	$296,397.94	$296,397.94	$0.00	0.00%	$475,469.86	$483,306.55	$7,836.70	1.65%
7,776,000	40%	13,500.0	$179,071.92	$186,908.61	$7,836.70	4.38%	$281,010.89	$281,010.89	$0.00	0.00%	$460,082.81	$467,919.50	$7,836.70	1.70%

Current

Customer Charge		$1,666.67
T&D Demand Charge	kW x	$10.11
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04280
Commodity Energy Charge Off Peak	kWh x	$0.02321
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004149
NYPA ETIP Credit	kW x	($0.23)
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		2,000.00
T&D Demand Charge	kW x	$10.66
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04280
Commodity Energy Charge Off Peak	kWh x	$0.02321
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.004149
NYPA ETIP Credit	kW x	($0.23)
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Incremental State Assessment Surcharge	kW x	$0.00
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,802.23	$16,510.82	$708.59	4.48%	$28,367.16	$28,367.16	$0.00	0.00%	$44,169.39	$44,877.98	$708.59	1.60%
720,000	50%	2,500.0	$15,802.23	$16,510.82	$708.59	4.48%	$26,989.71	$26,989.71	$0.00	0.00%	$42,791.94	$43,500.53	$708.59	1.66%
720,000	40%	2,500.0	$15,802.23	$16,510.82	$708.59	4.48%	$25,612.25	$25,612.25	$0.00	0.00%	$41,414.48	$42,123.07	$708.59	1.71%
1,080,000	60%	2,500.0	$18,208.76	$18,917.35	$708.59	3.89%	$42,550.74	$42,550.74	$0.00	0.00%	$60,759.50	$61,468.09	$708.59	1.17%
1,080,000	50%	2,500.0	$18,208.76	$18,917.35	$708.59	3.89%	$40,484.56	$40,484.56	$0.00	0.00%	$58,693.32	$59,401.91	$708.59	1.21%
1,080,000	40%	2,500.0	$18,208.76	$18,917.35	$708.59	3.89%	$38,418.38	$38,418.38	$0.00	0.00%	$56,627.14	$57,335.73	$708.59	1.25%
1,440,000	60%	2,500.0	$20,615.29	$21,323.87	$708.59	3.44%	$56,734.33	$56,734.33	$0.00	0.00%	$77,349.62	$78,058.20	$708.59	0.92%
1,440,000	50%	2,500.0	$20,615.29	$21,323.87	$708.59	3.44%	$53,979.42	$53,979.42	$0.00	0.00%	$74,594.71	$75,303.29	$708.59	0.95%
1,440,000	40%	2,500.0	$20,615.29	$21,323.87	$708.59	3.44%	$51,224.51	$51,224.51	$0.00	0.00%	$71,839.80	$72,548.38	$708.59	0.99%
1,008,000	60%	3,500.0	$21,279.49	$22,132.52	$853.03	4.01%	$39,714.03	$39,714.03	$0.00	0.00%	$60,993.52	$61,846.55	$853.03	1.40%
1,008,000	50%	3,500.0	$21,279.49	$22,132.52	$853.03	4.01%	$37,785.59	$37,785.59	$0.00	0.00%	$59,065.08	$59,918.11	$853.03	1.44%
1,008,000	40%	3,500.0	$21,279.49	$22,132.52	$853.03	4.01%	$35,857.16	$35,857.16	$0.00	0.00%	$57,136.65	$57,989.68	$853.03	1.49%
1,512,000	60%	3,500.0	$24,648.63	$25,501.66	$853.03	3.46%	$59,571.04	$59,571.04	$0.00	0.00%	$84,219.67	$85,072.70	$853.03	1.01%
1,512,000	50%	3,500.0	$24,648.63	$25,501.66	$853.03	3.46%	$56,678.39	$56,678.39	$0.00	0.00%	$81,327.02	$82,180.05	$853.03	1.05%
1,512,000	40%	3,500.0	$24,648.63	$25,501.66	$853.03	3.46%	$53,785.73	$53,785.73	$0.00	0.00%	$78,434.36	$79,287.39	$853.03	1.09%
2,016,000	60%	3,500.0	$28,017.76	$28,870.79	$853.03	3.04%	$79,428.06	$79,428.06	$0.00	0.00%	$107,445.82	$108,298.85	$853.03	0.79%
2,016,000	50%	3,500.0	$28,017.76	$28,870.79	$853.03	3.04%	$75,571.18	$75,571.18	$0.00	0.00%	$103,588.94	$104,441.97	$853.03	0.82%
2,016,000	40%	3,500.0	$28,017.76	$28,870.79	$853.03	3.04%	$71,714.31	$71,714.31	$0.00	0.00%	$99,732.07	$100,585.10	$853.03	0.86%
1,152,000	60%	4,000.0	$24,018.12	$24,943.37	$925.25	3.85%	$45,387.46	$45,387.46	$0.00	0.00%	$69,405.58	$70,330.83	$925.25	1.33%
1,152,000	50%	4,000.0	$24,018.12	$24,943.37	$925.25	3.85%	$43,183.53	$43,183.53	$0.00	0.00%	$67,201.65	$68,126.90	$925.25	1.38%
1,152,000	40%	4,000.0	$24,018.12	$24,943.37	$925.25	3.85%	$40,979.61	$40,979.61	$0.00	0.00%	$64,997.73	$65,922.98	$925.25	1.42%
2,000,000	60%	4,000.0	$29,686.83	$30,612.08	$925.25	3.12%	$78,797.68	$78,797.68	$0.00	0.00%	$108,484.51	$109,409.76	$925.25	0.85%
2,000,000	50%	4,000.0	$29,686.83	$30,612.08	$925.25	3.12%	$74,971.41	$74,971.41	$0.00	0.00%	$104,658.24	$105,583.49	$925.25	0.88%
2,000,000	40%	4,000.0	$29,686.83	$30,612.08	$925.25	3.12%	$71,145.15	$71,145.15	$0.00	0.00%	$100,831.98	$101,757.23	$925.25	0.92%
2,304,000	60%	4,000.0	$31,719.00	$32,644.26	$925.25	2.92%	$90,774.92	$90,774.92	$0.00	0.00%	$122,493.92	$123,419.18	$925.25	0.76%
2,304,000	50%	4,000.0	$31,719.00	$32,644.26	$925.25	2.92%	$86,367.07	$86,367.07	$0.00	0.00%	$118,086.07	$119,011.33	$925.25	0.78%
2,304,000	40%	4,000.0	$31,719.00	$32,644.26	$925.25	2.92%	$81,959.21	$81,959.21	$0.00	0.00%	$113,678.21	$114,603.47	$925.25	0.81%
3,888,000	60%	13,500.0	$76,052.07	$78,349.54	$2,297.47	3.02%	$153,182.68	$153,182.68	$0.00	0.00%	$229,234.75	$231,532.22	$2,297.47	1.00%
3,888,000	50%	13,500.0	$76,052.07	$78,349.54	$2,297.47	3.02%	$145,744.43	$145,744.43	$0.00	0.00%	$221,796.50	$224,093.97	$2,297.47	1.04%
3,888,000	40%	13,500.0	$76,052.07	$78,349.54	$2,297.47	3.02%	$138,306.17	$138,306.17	$0.00	0.00%	$214,358.24	$216,655.71	$2,297.47	1.07%
5,832,000	60%	13,500.0	$89,047.30	$91,344.78	$2,297.47	2.58%	$229,774.02	$229,774.02	$0.00	0.00%	$318,821.32	$321,118.80	$2,297.47	0.72%
5,832,000	50%	13,500.0	$89,047.30	$91,344.78	$2,297.47	2.58%	$218,616.64	$218,616.64	$0.00	0.00%	$307,663.94	$309,961.42	$2,297.47	0.75%
5,832,000	40%	13,500.0	$89,047.30	$91,344.78	$2,297.47	2.58%	$207,459.26	$207,459.26	$0.00	0.00%	$296,506.56	$298,804.04	$2,297.47	0.77%
7,776,000	60%	13,500.0	$102,042.54	$104,340.02	$2,297.47	2.25%	$306,365.36	$306,365.36	$0.00	0.00%	$408,407.90	$410,705.38	$2,297.47	0.56%
7,776,000	50%	13,500.0	$102,042.54	$104,340.02	$2,297.47	2.25%	$291,488.85	$291,488.85	$0.00	0.00%	$393,531.39	$395,828.87	$2,297.47	0.58%
7,776,000	40%	13,500.0	$102,042.54	$104,340.02	$2,297.47	2.25%	$276,612.34	$276,612.34	$0.00	0.00%	$378,654.88	$380,952.36	$2,297.47	0.61%

Current

Customer Charge		$2,088.00
T&D Demand Charge	kW x	$3.52
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04185
Commodity Energy Charge Off Peak	kWh x	$0.02291
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005406
NYPA ETIP Credit	kW x	($0.05)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		2,432.00
T&D Demand Charge	kW x	$3.66
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04185
Commodity Energy Charge Off Peak	kWh x	$0.02291
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CES/EES)	kWh x	$0.005406
NYPA ETIP Credit	kW x	($0.05)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,512.56	$16,115.59	$603.03	3.89%	$27,476.98	$27,476.98	$0.00	0.00%	$42,989.54	$43,592.57	$603.03	1.40%
720,000	50%	2,500.0	$15,512.56	$16,115.59	$603.03	3.89%	$26,178.80	$26,178.80	$0.00	0.00%	$41,691.36	$42,294.39	$603.03	1.45%
720,000	40%	2,500.0	$15,512.56	$16,115.59	$603.03	3.89%	$24,880.62	$24,880.62	$0.00	0.00%	$40,393.18	$40,996.21	$603.03	1.49%
1,080,000	60%	2,500.0	$17,178.45	$17,781.48	$603.03	3.51%	$41,215.47	$41,215.47	$0.00	0.00%	$58,393.92	$58,996.95	$603.03	1.03%
1,080,000	50%	2,500.0	$17,178.45	$17,781.48	$603.03	3.51%	$39,268.20	$39,268.20	$0.00	0.00%	$56,446.65	$57,049.68	$603.03	1.07%
1,080,000	40%	2,500.0	$17,178.45	$17,781.48	$603.03	3.51%	$37,320.93	$37,320.93	$0.00	0.00%	$54,499.38	$55,102.41	$603.03	1.11%
1,440,000	60%	2,500.0	$18,844.35	$19,447.38	$603.03	3.20%	$54,953.96	$54,953.96	$0.00	0.00%	$73,798.31	$74,401.34	$603.03	0.82%
1,440,000	50%	2,500.0	$18,844.35	$19,447.38	$603.03	3.20%	$52,357.60	$52,357.60	$0.00	0.00%	$71,201.95	$71,804.98	$603.03	0.85%
1,440,000	40%	2,500.0	$18,844.35	$19,447.38	$603.03	3.20%	$49,761.24	$49,761.24	$0.00	0.00%	$68,605.59	$69,208.62	$603.03	0.88%
1,008,000	60%	3,500.0	$19,894.15	$20,533.54	$639.39	3.21%	$38,467.77	$38,467.77	$0.00	0.00%	$58,361.92	$59,001.31	$639.39	1.10%
1,008,000	50%	3,500.0	$19,894.15	$20,533.54	$639.39	3.21%	$36,650.32	$36,650.32	$0.00	0.00%	$56,544.47	$57,183.86	$639.39	1.13%
1,008,000	40%	3,500.0	$19,894.15	$20,533.54	$639.39	3.21%	$34,832.86	$34,832.86	$0.00	0.00%	$54,727.01	$55,366.40	$639.39	1.17%
1,512,000	60%	3,500.0	$22,226.40	$22,865.80	$639.39	2.88%	$57,701.66	$57,701.66	$0.00	0.00%	$79,928.06	$80,567.46	$639.39	0.80%
1,512,000	50%	3,500.0	$22,226.40	$22,865.80	$639.39	2.88%	$54,975.48	$54,975.48	$0.00	0.00%	$77,201.88	$77,841.28	$639.39	0.83%
1,512,000	40%	3,500.0	$22,226.40	$22,865.80	$639.39	2.88%	$52,249.30	$52,249.30	$0.00	0.00%	$74,475.70	$75,115.10	$639.39	0.86%
2,016,000	60%	3,500.0	$24,558.65	$25,198.05	$639.39	2.60%	$76,935.55	$76,935.55	$0.00	0.00%	$101,494.20	$102,133.60	$639.39	0.63%
2,016,000	50%	3,500.0	$24,558.65	$25,198.05	$639.39	2.60%	$73,300.64	$73,300.64	$0.00	0.00%	$97,859.29	$98,498.69	$639.39	0.65%
2,016,000	40%	3,500.0	$24,558.65	$25,198.05	$639.39	2.60%	$69,665.73	$69,665.73	$0.00	0.00%	$94,224.38	$94,863.78	$639.39	0.68%
1,152,000	60%	4,000.0	$22,084.94	$22,742.52	$657.58	2.98%	$43,963.17	$43,963.17	$0.00	0.00%	$66,048.11	$66,705.69	$657.58	1.00%
1,152,000	50%	4,000.0	$22,084.94	$22,742.52	$657.58	2.98%	$41,886.08	$41,886.08	$0.00	0.00%	$63,971.02	$64,628.60	$657.58	1.03%
1,152,000	40%	4,000.0	$22,084.94	$22,742.52	$657.58	2.98%	$39,808.99	$39,808.99	$0.00	0.00%	$61,893.93	$62,551.51	$657.58	1.06%
1,728,000	60%	4,000.0	$24,750.38	$25,407.95	$657.58	2.66%	$65,944.76	$65,944.76	$0.00	0.00%	$90,695.14	$91,352.71	$657.58	0.73%
1,728,000	50%	4,000.0	$24,750.38	$25,407.95	$657.58	2.66%	$62,829.12	$62,829.12	$0.00	0.00%	$87,579.50	$88,237.07	$657.58	0.75%
1,728,000	40%	4,000.0	$24,750.38	$25,407.95	$657.58	2.66%	$59,713.48	$59,713.48	$0.00	0.00%	$84,463.86	$85,121.43	$657.58	0.78%
2,304,000	60%	4,000.0	$27,415.81	$28,073.38	$657.58	2.40%	$87,926.34	$87,926.34	$0.00	0.00%	$115,342.15	$115,999.72	$657.58	0.57%
2,304,000	50%	4,000.0	$27,415.81	$28,073.38	$657.58	2.40%	$83,772.16	$83,772.16	$0.00	0.00%	$111,187.97	$111,845.54	$657.58	0.59%
2,304,000	40%	4,000.0	$27,415.81	$28,073.38	$657.58	2.40%	$79,617.98	$79,617.98	$0.00	0.00%	$107,033.79	$107,691.36	$657.58	0.61%
3,888,000	60%	11,500.0	$57,612.30	$58,542.60	$930.30	1.61%	$148,375.70	$148,375.70	$0.00	0.00%	$205,988.00	$206,918.30	$930.30	0.45%
3,888,000	50%	11,500.0	$57,612.30	$58,542.60	$930.30	1.61%	$141,365.52	$141,365.52	$0.00	0.00%	$198,977.82	$199,908.12	$930.30	0.47%
3,888,000	40%	11,500.0	$57,612.30	$58,542.60	$930.30	1.61%	$134,355.34	$134,355.34	$0.00	0.00%	$191,967.64	$192,897.94	$930.30	0.48%
6,300,000	60%	12,000.0	$70,298.23	$71,246.71	$948.48	1.35%	$240,423.59	$240,423.59	$0.00	0.00%	$310,721.82	$311,670.30	$948.48	0.31%
6,300,000	50%	12,000.0	$70,298.23	$71,246.71	$948.48	1.35%	$229,064.50	$229,064.50	$0.00	0.00%	$299,362.73	$300,311.21	$948.48	0.32%
6,300,000	40%	12,000.0	$70,298.23	$71,246.71	$948.48	1.35%	$217,705.41	$217,705.41	$0.00	0.00%	$288,003.64	$288,952.12	$948.48	0.33%
7,776,000	60%	13,500.0	$81,701.71	$82,704.74	$1,003.03	1.23%	$296,751.40	$296,751.40	$0.00	0.00%	$378,453.11	$379,456.14	$1,003.03	0.27%
7,776,000	50%	13,500.0	$81,701.71	$82,704.74	$1,003.03	1.23%	$282,731.04	$282,731.04	$0.00	0.00%	$364,432.75	$365,435.78	$1,003.03	0.28%
7,776,000	40%	13,500.0	$81,701.71	$82,704.74	$1,003.03	1.23%	$268,710.67	$268,710.67	$0.00	0.00%	$350,412.38	$351,415.41	$1,003.03	0.29%

Current

Customer Charge		$4,513.00
T&D Demand Charge	kW x	$3.32
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04019
Commodity Energy Charge Off Peak	kWh x	$0.02234
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.003369
NYPA ETIP Credit	kW x	($0.34)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		5,020.00
T&D Demand Charge	kW x	$3.36
Revenue Decoupling Mechanism	kW x	$0.00
Legacy Transition Charge	kWh x	$0.001212
Commodity Energy Charge On Peak	kWh x	$0.04019
Commodity Energy Charge Off Peak	kWh x	$0.02234
Transmission Revenue Adjustment Charge	kWh x	$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	$0.003369
NYPA ETIP Credit	kW x	($0.34)
Incremental State Assessment Surcharge	kW x	$0.00
DLM	kW x	$0.04
CES Supply Charge	kWh x	$0.00408
CES Delivery Charge	kWh x	$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GR
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Shared and Local Facilities Rate Class Revenue Requirements
Rate Year 1

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
				Large General Service SC-3			Large General Service SC-3A			
	Residential Svc	Small General Service								
	SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Transmission-Distribution Revenue Requirement	$ 874,618,810	$ 63,003,583	$ 183,328,641	$ 132,352,600	$ 43,789,648	$ 6,482,980	$ 25,548,839	$ 13,347,862	$ 46,653,906	$ 1,389,126,869
2. less: Customer Charge Revenues	303,293,422	28,782,392	31,125,903	15,366,717	4,122,035	1,428,623	1,302,466	1,416,151	4,512,921	391,350,629
3. Reactive Demand Charge Revenues	-	-	-	538,181	629,008	326,953	393,121	731,011	2,080,013	4,698,287
4. Transformer Ownership Credits	-	-	(276,921)	-	-	-	-	-	-	(276,921)
5. Balance of Trans-Dist Revenue Requirement	$ 571,325,388	$ 34,221,191	$ 152,479,659	$ 116,447,703	$ 39,038,605	$ 4,727,404	$ 23,853,252	$ 11,200,700	$ 40,060,972	$ 993,354,874
6. Wholesale Transmission Rate				$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	
7. times: Wholesale Transmission Energy Sales				4,789,392,866	2,086,745,838	702,166,654	1,300,866,726	1,687,475,057	7,240,691,896	
8. Transmission Revenue Requirement	$ -	$ -	$ -	$ 53,396,866	$ 23,265,097	$ 7,828,445	$ 14,503,343	$ 18,813,633	$ 80,726,361	
9. ACOS Shared Revenue Requirement Allocator	0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	
10. times: Total Trans-Dist Revenue Requirement	$ 874,618,810	$ 63,003,583	$ 183,328,641	$ 132,352,600	$ 43,789,648	$ 6,482,980	$ 25,548,839	$ 13,347,862	$ 46,653,906	1,389,126,869
11. As-Used Charge Revenue Requirement	$ 309,674,174	$ 18,542,280	$ 103,795,437	$ 91,827,797	$ 37,035,976	$ 4,727,404	$ 21,258,067	$ 11,200,700	$ 40,060,972	$ 638,122,807
										-
12. Contract Charge Revenue Requirement	$ 261,651,213	$ 15,678,911	$ 48,684,222	$ 24,619,906	$ 2,002,629	$ -	$ 2,595,185	$ -	$ -	$ 355,232,067
13. Shared Facilities Revenue Requirement	35.4%	29.4%	56.6%	69.4%	84.6%	72.9%	83.2%	83.9%	85.9%	45.9%
14. Local Facilities Revenue Requirement	64.6%	70.6%	43.4%	30.6%	15.4%	27.1%	16.8%	16.1%	14.1%	54.1%

1. Per Joint Proposal Appendix 2, Schedule 5.4
2. Per Joint Proposal Appendix 2, Schedule 5.4
3. Per Joint Proposal Appendix 2, Schedule 5.4
4. Per Joint Proposal Appendix 2, Schedule 5.4
5. Line 1- Sum of Lines 2 through 4
6. From Niagara Mohawk Power Corporation Wholesale TSC Calculation Information, 07/01/2016, Attachment 1, Schedule 4, excluding Col C (annual true-up)
7. Per Joint Proposal Appendix 2, Schedule 5.10
8. Line 6 * Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. Line 1
11. Line 9 * Line 10
12. Line 5 - Line 11
13. Line 11 / Line 1
14. 100% - Line 13

Case 17-E-0238
Appendix 2
Schedule 5.1
Page 1 of 1

NIAGARA MOHWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Shared and Local Facilities Rate Class Revenue Requirements
Rate Year 2

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
				Large General Service SC-3			Large General Service SC-3A			
	Residential Svc	Small General Service								
	SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Transmission-Distribution Revenue Requirement	$ 928,562,889	$ 65,452,208	$ 194,806,055	$ 140,374,166	$ 46,599,603	$ 6,891,032	$ 26,867,215	$ 13,661,611	$ 51,423,022	$ 1,474,637,801
2. less: Customer Charge Revenues	304,108,716	28,894,045	31,212,495	18,374,016	4,138,616	1,590,015	1,589,885	1,650,121	5,000,998	396,558,907
3. Reactive Demand Charge Revenues	-	-	-	540,014	631,259	327,948	388,794	722,027	2,062,888	4,672,930
4. Transformer Ownership Credits	-	-	(276,921)	-	-	-	-	-	-	(276,921)
5. Balance of Trans-Dist Revenue Requirement	$ 624,454,173	$ 36,558,164	$ 163,870,481	$ 121,460,136	$ 41,829,727	$ 4,973,070	$ 24,888,535	$ 11,289,464	$ 44,359,136	$ 1,073,682,885
6. Wholesale Transmission Rate				$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	
7. times: Wholesale Transmission Energy Sales				4,804,867,075	2,092,278,801	703,122,997	1,287,184,269	1,668,666,184	7,171,709,620	
8. Transmission Revenue Requirement	$ -	$ -	$ -	$ 53,569,388	$ 23,326,784	$ 7,839,107	$ 14,350,797	$ 18,603,933	$ 79,957,278	
9. ACOS Shared Revenue Requirement Allocator	0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	
10. times: Total Trans-Dist Revenue Requirement	$ 928,562,889	$ 65,452,208	$ 194,806,055	$ 140,374,166	$ 46,599,603	$ 6,891,032	$ 26,867,215	$ 13,661,611	$ 51,423,022	1,474,637,801
11. As-Used Charge Revenue Requirement	$ 328,774,025	$ 19,262,923	$ 110,293,621	$ 97,393,254	$ 39,412,552	$ 4,973,070	$ 22,355,029	$ 11,289,464	$ 44,359,136	$ 678,113,072
										-
12. Contract Charge Revenue Requirement	$ 295,680,148	$ 17,295,241	$ 53,576,860	$ 24,066,882	$ 2,417,175	$ -	$ 2,533,506	$ -	$ -	$ 395,569,813
13. Shared Facilities Revenue Requirement	35.4%	29.4%	56.6%	69.4%	84.6%	72.2%	83.2%	82.6%	86.3%	46.0%
14. Local Facilities Revenue Requirement	64.6%	70.6%	43.4%	30.6%	15.4%	27.8%	16.8%	17.4%	13.7%	54.0%

1. Per Joint Proposal Appendix 2, Schedule 5.5
2. Per Joint Proposal Appendix 2, Schedule 5.5
3. Per Joint Proposal Appendix 2, Schedule 5.5
4. Per Joint Proposal Appendix 2, Schedule 5.5
5. Line 1- Sum of Lines 2 through 4
6. From Niagara Mohawk Power Corporation Wholesale TSC Calculation Information, 07/01/2016, Attachment 1, Schedule 4, excluding Col C (annual true-up)
7. Per Joint Proposal Appendix 2, Schedule 5.11
8. Line 6 * Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. Line 1
11. Line 9 * Line 10
12. Line 5 - Line 11
13. Line 11 / Line 1
14. 100% - Line 13

Case 17-E-0238
Appendix 2
Schedule 5.2
Page 1 of 1

NIAGARA MOHWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Shared and Local Facilities Rate Class Revenue Requirements
Rate Year 3

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	
				Large General Service SC-3			Large General Service SC-3A			
	Residential Svc	Small General Service								
	SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Transmission-Distribution Revenue Requirement	$ 984,960,778	$ 68,651,189	$ 205,455,094	$ 148,324,945	$ 49,116,723	$ 7,271,583	$ 28,131,761	$ 14,164,458	$ 51,818,847	$ 1,557,895,377
2. less: Customer Charge Revenues	304,932,403	29,014,522	31,308,397	21,411,554	4,156,159	1,755,150	1,863,633	1,870,976	5,474,930	401,787,724
3. Reactive Demand Charge Revenues	-	-	-	538,226	629,342	326,802	382,884	710,102	2,037,948	4,625,303
4. Transformer Ownership Credits	-	-	(276,921)	-	-	-	-	-	-	(276,921)
5. Balance of Trans-Dist Revenue Requirement	$ 680,028,375	$ 39,636,667	$ 174,423,617	$ 126,375,165	$ 44,331,223	$ 5,189,631	$ 25,885,244	$ 11,583,380	$ 44,305,969	$ 1,151,759,271
6. Wholesale Transmission Rate				$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	$ 0.01115	
7. times: Wholesale Transmission Energy Sales				4,788,772,114	2,084,739,762	700,023,175	1,268,706,784	1,643,446,790	7,080,316,389	
8. Transmission Revenue Requirement	$ -	$ -	$ -	$ 53,389,945	$ 23,242,731	$ 7,804,547	$ 14,144,792	$ 18,322,763	$ 78,938,337	
9. ACOS Shared Revenue Requirement Allocator	0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	
10. times: Total Trans-Dist Revenue Requirement	$ 984,960,778	$ 68,651,189	$ 205,455,094	$ 148,324,945	$ 49,116,723	$ 7,271,583	$ 28,131,761	$ 14,164,458	$ 51,818,847	1,557,895,377
11. As-Used Charge Revenue Requirement	$ 348,742,689	$ 20,204,399	$ 116,322,802	$ 102,909,598	$ 41,541,457	$ 5,189,631	$ 23,407,202	$ 11,583,380	$ 44,305,969	$ 714,207,128
										-
12. Contract Charge Revenue Requirement	$ 331,285,685	$ 19,432,268	$ 58,100,815	$ 23,465,567	$ 2,789,766	$ -	$ 2,478,042	$ -	$ -	$ 437,552,143
13. Shared Facilities Revenue Requirement	35.4%	29.4%	56.6%	69.4%	84.6%	71.4%	83.2%	81.8%	85.5%	45.8%
14. Local Facilities Revenue Requirement	64.6%	70.6%	43.4%	30.6%	15.4%	28.6%	16.8%	18.2%	14.5%	54.2%

1. Per Joint Proposal Appendix 2, Schedule 5.6
2. Per Joint Proposal Appendix 2, Schedule 5.6
3. Per Joint Proposal Appendix 2, Schedule 5.6
4. Per Joint Proposal Appendix 2, Schedule 5.6
5. Line 1- Sum of Lines 2 through 4
6. From Niagara Mohawk Power Corporation Wholesale TSC Calculation Information, 07/01/2016, Attachment 1, Schedule 4, excluding Col C (annual true-up)
7. Per Joint Proposal Appendix 2, Schedule 5.12
8. Line 6 * Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. Line 1
11. Line 9 * Line 10
12. Line 5 - Line 11
13. Line 11 / Line 1
14. 100% - Line 13

Case 17-E-0238
Appendix 2
Schedule 5.3
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 1

	Billing Units (A)		Requirements Service Rate (B)		Requirements Service Revenues (C)		Billing Units (D)		Proposed T&D Standby Rate (E)		Proposed T&D Standby Revenues (F)
Revenue Calculation											
1. Customer Charge Revenues	17,840,790	$	17.00	$	303,293,422	Customer Charge Revenues	17,840,790	$	17.00	$	303,293,422
2. Base Distribution Energy Charge	11,326,831,638	$	0.05044	$	571,325,388	Contract Customer Chg Revenues	17,840,790	$	14.67	$	261,651,213
3. Total Base Distribution Delivery Revenue				$	874,618,810	As-Used Daily Energy Charge	11,326,831,638		0.02734	$	309,674,174
4.						Total Base Transmission-Distribution Revenue				$	874,618,810
5.						Revenue Target				$	874,618,810
6.						Over/(Under) Collection (Line 4 - Line 5)				$	-

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 1 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 2 (Non-Demand)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge Revenues	1,369,286	$ 21.02	$ 28,782,392	Customer Charge Revenues	1,369,286	$ 21.02	$ 28,782,392
2. Base Distribution Energy Charge	614,715,129	$ 0.05567	$ 34,221,191	Contract Customer Chg Revenues	1,369,286	$ 11.45	$ 15,678,911
3. Total Base Distribution Delivery Revenue			$ 63,003,583	As-Used Daily Energy Charge	614,715,129	0.03016	$ 18,542,280
4.				Total Base Transmission-Distribution Revenue			$ 63,003,583
5.				Revenue Target			$ 63,003,583
6.				Over/(Under) Collection (Line 4 - Line 5)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 2 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 2 (Demand) for Interval Metered Customers

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge Revenues	592,649	$ 52.52	$ 31,125,903	Customer Charge Revenues	592,649	$ 52.52	$ 31,125,903
2. Base Distribution Demand Charge	14,373,270	$ 10.61	$ 152,479,659	Contract Demand Charge	22,755,779	$ 2.14	$ 48,684,222
3. Transformer Ownership Credit	307,690	$ (0.90)	$ (276,921)	Transformer Ownrshp Credit Revenues	307,690	$ (0.90)	$ (276,921)
4. Total Base Distribution Delivery Revenue			$ 183,328,641	As-Used Daily Demand Charge	210,135,341	0.4939	$ 103,795,437
5.				Total Base Transmission-Distribution Revenue			$ 183,328,641
6.				Revenue Target			$ 183,328,641
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 3 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 3 (Secondary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	28,943	$ 325.00	$ 9,406,508	Customer Charge Revenues	45,119	$ 325.00	$ 14,663,708
2. Special L Customer Charge	16,176	$ 368.46	$ 5,960,209	Incremental Special L Customer Charge	16,176	$ 43.46	$ 703,009
3. Base Dist Demand Chg Revenues	11,400,129	$ 10.21	$ 116,447,703	Contract Demand Charge	14,824,153	$ 1.66	$ 24,619,906
4. Reactive Demand Charge Revenues	633,154	$ 0.85	$ 538,181	Reactive Demand Charge Revenues	633,154	$ 0.85	$ 538,181
5. Total Base Distribution Delivery Revenue			$ 132,352,600	As-Used Daily Demand Charge	179,086,950	0.5128	$ 91,827,797
6.				Total Base Transmission-Distribution Revenue			$ 132,352,600
7.				Revenue Target			$ 132,352,600
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 4 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 3 (Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	3119	$ 436.70	$ 1,362,075	Customer Charge Revenues	8,867	$ 436.70	$ 3,872,227
2. Special L Customer Charge	5,748	$ 480.16	$ 2,759,960	Incremental Special L Customer Charge	5,748	$ 43.46	$ 249,808
3. Base Dist Demand Chg Revenues	4,531,812	$ 8.61	$ 39,038,605	Contract Demand Charge	7,284,710	$ 0.27	$ 2,002,629
4. Reactive Demand Charge Revenues	740,009	$ 0.85	$ 629,008	Reactive Demand Charge Revenues	740,009	$ 0.85	$ 629,008
5. Total Base Distribution Delivery Revenue			$ 43,789,648	As-Used Daily Demand Charge	77,068,621	$ 0.4806	$ 37,035,976
6.				Total Base Transmission-Distribution Revenue			$ 43,789,648
7.				Revenue Target			$ 43,789,648
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 5 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 3 (Subtransmission/Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	544	$ 639.00	$ 347,607	Customer Charge Revenues	2,128	$ 639.00	$ 1,359,783
2. Special L Customer Charge	1,584	$ 682.46	$ 1,081,017	Incremental Special L Customer Charge	1,584	$ 43.46	$ 68,841
3. Base Dist Demand Chg Revenues	1,762,316	$ 2.68	$ 4,727,404	Contract Demand Charge	2,284,848	$ -	$ -
4. Reactive Demand Charge Revenues	384,651	$ 0.85	$ 326,953	Reactive Demand Charge Revenues	384,651	$ 0.85	$ 326,953
5. Total Base Distribution Delivery Revenue			$ 6,482,980	As-Used Daily Demand Charge	27,209,102	0.1737	$ 4,727,404
6.				Total Base Transmission-Distribution Revenue			$ 6,482,980
7.				Revenue Target			$ 6,482,980
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 6 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 3-A (Secondary/Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	977	$ 1,333.33	$ 1,302,466	Customer Charge Revenues	977	$ 1,333.33	$ 1,302,466
2. Base Dist Demand Chg Revenues	2,489,126	$ 9.58	$ 23,853,252	Contract Demand Charge	3,052,682	$ 0.85	$ 2,595,185
3. Reactive Demand Charge Revenues	385,413	$ 1.02	$ 393,121	Reactive Demand Charge Revenues	385,413	$ 1.02	$ 393,121
4. Total Base Distribution Delivery Revenue			$ 25,548,839	As-Used Daily Demand Charge	41,322,334	$ 0.5144	$ 21,258,067
5.				Total Base Transmission-Distribution Revenue			$ 25,548,839
6.				Revenue Target			$ 25,548,839
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 7 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 3-A (Subtransmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	812	$ 1,744.00	$ 1,416,151	Customer Charge Revenues	812	$ 1,744.00	$ 1,416,151
2. Base Dist Demand Chg Revenues	3,247,109	$ 3.45	$ 11,200,700	Contract Demand Charge	3,986,273	$ -	$ -
3. Reactive Demand Charge Revenues	716,677	$ 1.02	$ 731,011	Reactive Demand Charge Revenues	716,677	$ 1.02	$ 731,011
4. Total Base Distribution Delivery Revenue			$ 13,347,862	As-Used Daily Demand Charge	54,486,077	$ 0.2056	$ 11,200,700
5.				Total Base Transmission-Distribution Revenue			$ 13,347,862
6.				Revenue Target			$ 13,347,862
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 8 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 3-A (Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	1126	$ 4,007.00	$ 4,512,921	Customer Charge Revenues	1,126	$ 4,007.00	$ 4,512,921
2. Base Dist Demand Chg Revenues	13,493,431	$ 2.97	$ 40,060,972	Contract Demand Charge	16,171,255	$ -	$ -
3. Reactive Demand Charge Revenues	2,039,228	$ 1.02	$ 2,080,013	Reactive Demand Charge Revenues	2,039,228	$ 1.02	$ 2,080,013
4. Total Base Distribution Delivery Revenue			$ 46,653,906	As-Used Daily Demand Charge	231,807,987	$ 0.1728	$ 40,060,972
5.				Total Base Transmission-Distribution Revenue			$ 46,653,906
6.				Revenue Target based on minimum Transmission Rev Req			$ 46,653,906
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.4
Page 9 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 1

	Billing Units (A)		Requirements Service Rate (B)		Requirements Service Revenues (C)		Billing Units (D)		Proposed T&D Standby Rate (E)		Proposed T&D Standby Revenues (F)
Revenue Calculation											
1. Customer Charge Revenues	17,888,748	$	17.00	$	304,108,716	Customer Charge Revenues	17,888,748	$	17.00	$	304,108,716
2. Base Distribution Energy Charge	11,285,996,258	$	0.05533	$	624,454,173	Contract Customer Chg Revenues	17,888,748	$	16.53	$	295,680,148
3. Total Base Distribution Delivery Revenue				$	928,562,889	As-Used Daily Energy Charge	11,285,996,258		0.02913	$	328,774,025
4.						Total Base Transmission-Distribution Revenue				$	928,562,889
5.						Revenue Target				$	928,562,889
6.						Over/(Under) Collection (Line 4 - Line 5)				$	-

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 1 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 2 (Non-Demand)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge Revenues	1,374,598	$ 21.02	$ 28,894,045	Customer Charge Revenues	1,374,598	$ 21.02	$ 28,894,045
2. Base Distribution Energy Charge	608,592,702	$ 0.06007	$ 36,558,164	Contract Customer Chg Revenues	1,374,598	$ 12.58	$ 17,295,241
3. Total Base Distribution Delivery Revenue			$ 65,452,208	As-Used Daily Energy Charge	608,592,702	0.03165	$ 19,262,923
4.				Total Base Transmission-Distribution Revenue			$ 65,452,208
5.				Revenue Target			$ 65,452,208
6.				Over/(Under) Collection (Line 4 - Line 5)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 2 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 2 (Demand) for Interval Metered Customers

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge Revenues	594,297	$ 52.52	$ 31,212,495	Customer Charge Revenues	594,297	$ 52.52	$ 31,212,495
2. Base Distribution Demand Charge	14,294,355	$ 11.46	$ 163,870,481	Contract Demand Charge	22,630,840	$ 2.37	$ 53,576,860
3. Transformer Ownership Credit	307,690	$ (0.90)	$ (276,921)	Transformer Ownrshp Credit Revenues	307,690	$ (0.90)	$ (276,921)
4. Total Base Distribution Delivery Revenue			$ 194,806,055	As-Used Daily Demand Charge	208,981,607	0.5278	$ 110,293,621
5.				Total Base Transmission-Distribution Revenue			$ 194,806,055
6.				Revenue Target			$ 194,806,055
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 3 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 3 (Secondary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	29,134	$ 390.00	$ 11,362,367	Customer Charge Revenues	45,310	$ 390.00	$ 17,671,007
2. Special L Customer Charge	16,176	$ 433.46	$ 7,011,649	Incremental Special L Customer Charge	16,176	$ 43.46	$ 703,009
3. Base Dist Demand Chg Revenues	11,436,924	$ 10.62	$ 121,460,136	Contract Demand Charge	14,872,000	$ 1.62	$ 24,066,882
4. Reactive Demand Charge Revenues	635,311	$ 0.85	$ 540,014	Reactive Demand Charge Revenues	635,311	$ 0.85	$ 540,014
5. Total Base Distribution Delivery Revenue			$ 140,374,166	As-Used Daily Demand Charge	179,664,976	0.5421	$ 97,393,254
6.				Total Base Transmission-Distribution Revenue			$ 140,374,166
7.				Revenue Target			$ 140,374,166
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 4 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 3 (Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	3157	$ 436.70	$ 1,378,657	Customer Charge Revenues	8,905	$ 436.70	$ 3,888,808
2. Special L Customer Charge	5,748	$ 480.16	$ 2,759,960	Incremental Special L Customer Charge	5,748	$ 43.46	$ 249,808
3. Base Dist Demand Chg Revenues	4,544,240	$ 9.21	$ 41,829,727	Contract Demand Charge	7,304,687	$ 0.33	$ 2,417,175
4. Reactive Demand Charge Revenues	742,658	$ 0.85	$ 631,259	Reactive Demand Charge Revenues	742,658	$ 0.85	$ 631,259
5. Total Base Distribution Delivery Revenue			$ 46,599,603	As-Used Daily Demand Charge	77,279,965	$ 0.5100	$ 39,412,552
6.				Total Base Transmission-Distribution Revenue			$ 46,599,603
7.				Revenue Target			$ 46,599,603
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 5 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 3 (Subtransmission/Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	552	$ 712.00	$ 393,366	Customer Charge Revenues	2,136	$ 712.00	$ 1,521,174
2. Special L Customer Charge	1,584	$ 755.46	$ 1,196,649	Incremental Special L Customer Charge	1,584	$ 43.46	$ 68,841
3. Base Dist Demand Chg Revenues	1,764,125	$ 2.82	$ 4,973,070	Contract Demand Charge	2,287,194	$ -	$ -
4. Reactive Demand Charge Revenues	385,821	$ 0.85	$ 327,948	Reactive Demand Charge Revenues	385,821	$ 0.85	$ 327,948
5. Total Base Distribution Delivery Revenue			$ 6,891,032	As-Used Daily Demand Charge	27,237,041	0.1826	$ 4,973,070
6.				Total Base Transmission-Distribution Revenue			$ 6,891,032
7.				Revenue Target			$ 6,891,032
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 6 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 3-A (Secondary/Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	954	$ 1,666.67	$ 1,589,885	Customer Charge Revenues	954	$ 1,666.67	$ 1,589,885
2. Base Dist Demand Chg Revenues	2,462,992	$ 10.11	$ 24,888,535	Contract Demand Charge	3,020,631	$ 0.84	$ 2,533,506
3. Reactive Demand Charge Revenues	381,171	$ 1.02	$ 388,794	Reactive Demand Charge Revenues	381,171	$ 1.02	$ 388,794
4. Total Base Distribution Delivery Revenue			$ 26,867,215	As-Used Daily Demand Charge	40,888,480	$ 0.5467	$ 22,355,029
5.				Total Base Transmission-Distribution Revenue			$ 26,867,215
6.				Revenue Target			$ 26,867,215
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 7 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 3-A (Subtransmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	790	$ 2,088.00	$ 1,650,121	Customer Charge Revenues	790	$ 2,088.00	$ 1,650,121
2. Base Dist Demand Chg Revenues	3,210,883	$ 3.52	$ 11,289,464	Contract Demand Charge	3,941,801	$ -	$ -
3. Reactive Demand Charge Revenues	707,869	$ 1.02	$ 722,027	Reactive Demand Charge Revenues	707,869	$ 1.02	$ 722,027
4. Total Base Distribution Delivery Revenue			$ 13,661,611	As-Used Daily Demand Charge	53,878,206	$ 0.2095	$ 11,289,464
5.				Total Base Transmission-Distribution Revenue			$ 13,661,611
6.				Revenue Target			$ 13,661,611
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 8 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Service Classification No. 3-A (Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	1108	$ 4,513.00	$ 5,000,998	Customer Charge Revenues	1,108	$ 4,513.00	$ 5,000,998
2. Base Dist Demand Chg Revenues	13,369,239	$ 3.32	$ 44,359,136	Contract Demand Charge	16,022,416	$ -	$ -
3. Reactive Demand Charge Revenues	2,022,439	$ 1.02	$ 2,062,888	Reactive Demand Charge Revenues	2,022,439	$ 1.02	$ 2,062,888
4. Total Base Distribution Delivery Revenue			$ 51,423,022	As-Used Daily Demand Charge	229,674,452	$ 0.1931	$ 44,359,136
5.				Total Base Transmission-Distribution Revenue			$ 51,423,022
6.				Revenue Target based on minimum Transmission Rev Req			$ 51,423,022
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.5
Page 9 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 1

	Billing Units (A)		Requirements Service Rate (B)		Requirements Service Revenues (C)		Billing Units (D)		Proposed T&D Standby Rate (E)		Proposed T&D Standby Revenues (F)
Revenue Calculation											
1. Customer Charge Revenues	17,937,200	$	17.00	$	304,932,403	Customer Charge Revenues	17,937,200	$	17.00	$	304,932,403
2. Base Distribution Energy Charge	11,225,295,058	$	0.06058	$	680,028,375	Contract Customer Chg Revenues	17,937,200	$	18.47	$	331,285,685
3. Total Base Distribution Delivery Revenue				$	984,960,778	As-Used Daily Energy Charge	11,225,295,058		0.03107	$	348,742,689
4.						Total Base Transmission-Distribution Revenue				$	984,960,778
5.						Revenue Target				$	984,960,778
6.						Over/(Under) Collection (Line 4 - Line 5)				$	-

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 1 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 2 (Non-Demand)

	Billing Units (A)		Requirements Service Rate (B)		Requirements Service Revenues (C)		Billing Units (D)		T&D Standby Rate (E)		T&D Standby Revenues (F)
Revenue Calculation											
1. Customer Charge Revenues	1,380,329	$	21.02	$	29,014,522	Customer Charge Revenues	1,380,329	$	21.02	$	29,014,522
2. Base Distribution Energy Charge	598,108,759	$	0.06627	$	39,636,667	Contract Customer Chg Revenues	1,380,329	$	14.08	$	19,432,268
3. Total Base Distribution Delivery Revenue				$	68,651,189	As-Used Daily Energy Charge	598,108,759		0.03378	$	20,204,399
4.						Total Base Transmission-Distribution Revenue				$	68,651,189
5.						Revenue Target				$	68,651,189
6.						Over/(Under) Collection (Line 4 - Line 5)				$	-

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 2 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 2 (Demand) for Interval Metered Customers

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge Revenues	596,123	$ 52.52	$ 31,308,397	Customer Charge Revenues	596,123	$ 52.52	$ 31,308,397
2. Base Distribution Demand Charge	14,108,519	$ 12.36	$ 174,423,617	Contract Demand Charge	22,336,625	$ 2.60	$ 58,100,815
3. Transformer Ownership Credit	307,690	$ (0.90)	$ (276,921)	Transformer Ownrshp Credit Revenues	307,690	$ (0.90)	$ (276,921)
4. Total Base Distribution Delivery Revenue			$ 205,455,094	As-Used Daily Demand Charge	206,264,712	0.5639	$ 116,322,802
5.				Total Base Transmission-Distribution Revenue			$ 205,455,094
6.				Revenue Target			$ 205,455,094
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 3 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 3 (Secondary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	29,337	$ 455.00	$ 13,348,465	Customer Charge Revenues	45,513	$ 455.00	$ 20,708,545
2. Special L Customer Charge	16,176	$ 498.46	$ 8,063,089	Incremental Special L Customer Charge	16,176	$ 43.46	$ 703,009
3. Base Dist Demand Chg Revenues	11,398,500	$ 11.09	$ 126,375,165	Contract Demand Charge	14,822,034	$ 1.58	$ 23,465,567
4. Reactive Demand Charge Revenues	633,207	$ 0.85	$ 538,226	Reactive Demand Charge Revenues	633,207	$ 0.85	$ 538,226
5. Total Base Distribution Delivery Revenue			$ 148,324,945	As-Used Daily Demand Charge	179,061,355	0.5747	$ 102,909,598
6.				Total Base Transmission-Distribution Revenue			$ 148,324,945
7.				Revenue Target			$ 148,324,945
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 4 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 3 (Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	3197	$ 436.70	$ 1,396,199	Customer Charge Revenues	8,945	$ 436.70	$ 3,906,351
2. Special L Customer Charge	5,748	$ 480.16	$ 2,759,960	Incremental Special L Customer Charge	5,748	$ 43.46	$ 249,808
3. Base Dist Demand Chg Revenues	4,528,215	$ 9.79	$ 44,331,223	Contract Demand Charge	7,278,927	$ 0.38	$ 2,789,766
4. Reactive Demand Charge Revenues	740,402	$ 0.85	$ 629,342	Reactive Demand Charge Revenues	740,402	$ 0.85	$ 629,342
5. Total Base Distribution Delivery Revenue			$ 49,116,723	As-Used Daily Demand Charge	77,007,442	$ 0.5394	$ 41,541,457
6.				Total Base Transmission-Distribution Revenue			$ 49,116,723
7.				Revenue Target			$ 49,116,723
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 5 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 3 (Subtransmission/Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	561	$ 786.00	$ 441,285	Customer Charge Revenues	2,145	$ 786.00	$ 1,686,309
2. Special L Customer Charge	1,584	$ 829.46	$ 1,313,865	Incremental Special L Customer Charge	1,584	$ 43.46	$ 68,841
3. Base Dist Demand Chg Revenues	1,755,626	$ 2.96	$ 5,189,631	Contract Demand Charge	2,276,174	$ -	$ -
4. Reactive Demand Charge Revenues	384,473	$ 0.85	$ 326,802	Reactive Demand Charge Revenues	384,473	$ 0.85	$ 326,802
5. Total Base Distribution Delivery Revenue			$ 7,271,583	As-Used Daily Demand Charge	27,105,819	0.1915	$ 5,189,631
6.				Total Base Transmission-Distribution Revenue			$ 7,271,583
7.				Revenue Target			$ 7,271,583
8.				Over/(Under) Collection (Line 6 - Line 7)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 6 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 3-A (Secondary/Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	932	$ 2,000.00	$ 1,863,633	Customer Charge Revenues	932	$ 2,000.00	$ 1,863,633
2. Base Dist Demand Chg Revenues	2,427,576	$ 10.66	$ 25,885,244	Contract Demand Charge	2,977,197	$ 0.83	$ 2,478,042
3. Reactive Demand Charge Revenues	375,376	$ 1.02	$ 382,884	Reactive Demand Charge Revenues	375,376	$ 1.02	$ 382,884
4. Total Base Distribution Delivery Revenue			$ 28,131,761	As-Used Daily Demand Charge	40,300,535	$ 0.5808	$ 23,407,202
5.				Total Base Transmission-Distribution Revenue			$ 28,131,761
6.				Revenue Target			$ 28,131,761
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 7 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 3-A (Subtransmission)

		Billing Units (A)		Requirements Service Rate (B)		Requirements Service Revenues (C)		Billing Units (D)		T&D Standby Rate (E)		T&D Standby Revenues (F)
Revenue Calculation												
1.	Customer Charge	769	$	2,432.00	$	1,870,976	Customer Charge Revenues	769	$	2,432.00	$	1,870,976
2.	Base Dist Demand Chg Revenues	3,162,266	$	3.66	$	11,583,380	Contract Demand Charge	3,882,117	$	-	$	-
3.	Reactive Demand Charge Revenues	696,178	$	1.02	$	710,102	Reactive Demand Charge Revenues	696,178	$	1.02	$	710,102
4.	Total Base Distribution Delivery Revenue				$	14,164,458	As-Used Daily Demand Charge	53,062,422	$	0.2183	$	11,583,380
5.							Total Base Transmission-Distribution Revenue				$	14,164,458
6.							Revenue Target				$	14,164,458
7.							Over/(Under) Collection (Line 5 - Line 6)				$	-

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 8 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Service Classification No. 3-A (Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)		Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation							
1. Customer Charge	1091	$ 5,020.00	$ 5,474,930	Customer Charge Revenues	1,091	$ 5,020.00	$ 5,474,930
2. Base Dist Demand Chg Revenues	13,202,017	$ 3.36	$ 44,305,969	Contract Demand Charge	15,822,008	$ -	$ -
3. Reactive Demand Charge Revenues	1,997,989	$ 1.02	$ 2,037,948	Reactive Demand Charge Revenues	1,997,989	$ 1.02	$ 2,037,948
4. Total Base Distribution Delivery Revenue			$ 51,818,847	As-Used Daily Demand Charge	226,801,683	$ 0.1954	$ 44,305,969
5.				Total Base Transmission-Distribution Revenue			$ 51,818,847
6.				Revenue Target based on minimum Transmission Rev Req			$ 51,818,847
7.				Over/(Under) Collection (Line 5 - Line 6)			$ -

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 9 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Wholesale Generator Customer Charges

		Parent Class T&D Standby Rate (A)		Whlse Generator T&D Standby Rate Credit (B)		Whlse Generator Proposed Delivery Standby Rate (C)
Service Classification No. 3 (Subtransmission/Transmission)						
1. Customer Charge	$	639.00	$	(389.32)	$	249.68
Service Classification No. 3-A (Subtransmission)						
2. Customer Charge	$	1,744.00	$	(963.93)	$	780.07
Service Classification No. 3-A (Transmission)						
3. Customer Charge	$	4,007.00	$	(2,184.00)	$	1,823.00

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2020 Standby Rate Design for
Wholesale Generator Customer Charges

		Parent Class T&D Standby Rate (A)		Whlse Generator T&D Standby Rate Credit (B)		Whlse Generator Proposed Delivery Standby Rate (C)
Service Classification No. 3 (Subtransmission/Transmission)						
1. Customer Charge	$	712.00	$	(389.32)	$	322.68
Service Classification No. 3-A (Subtransmission)						
2. Customer Charge	$	2,088.00	$	(963.93)	$	1,124.07
Service Classification No. 3-A (Transmission)						
3. Customer Charge	$	4,513.00	$	(2,184.00)	$	2,329.00

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
FY 2021 Standby Rate Design for
Wholesale Generator Customer Charges

		Parent Class T&D Standby Rate (A)		Whlse Generator T&D Standby Rate Credit (B)		Whlse Generator Proposed Delivery Standby Rate (C)
Service Classification No. 3 (Subtransmission/Transmission)						
1. Customer Charge	$	786.00	$	(389.32)	$	396.68
Service Classification No. 3-A (Subtransmission)						
2. Customer Charge	$	2,432.00	$	(963.93)	$	1,468.07
Service Classification No. 3-A (Transmission)						
3. Customer Charge	$	5,020.00	$	(2,184.00)	$	2,836.00

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Contract Demand Multiplier, As-Used On-Peak Daily Demand/Energy, and Wholesale Energy Billing Determinants
FY 2019

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
				Large General Service SC-3			Large General Service SC-3A		
	Residential Svc	Small General Service							
	SC-1	SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	Sec/Primary	Subtransmission	Transmission
1. Total Wholesale Energy Sales (kWh)	12,278,285,495	666,351,200	4,586,919,475	4,789,392,866	2,086,745,838	702,166,654	1,300,866,726	1,687,475,057	7,240,691,896
2. Sum of Customer Maximum Demands	-	-	18,265,136.7	14,647,981.5	6,736,964.3	2,087,418.5	3,187,228.8	4,160,833.1	15,513,528.8
3. Sum of Customer Demands	-	-	11,536,838.1	11,264,649.1	4,191,060.0	1,610,037.7	2,598,834.3	3,389,300.6	12,944,619.3
4. Contract Demand Multiplier	0.000000%	0.000000%	158.320127%	130.034957%	160.746070%	129.650285%	122.640710%	122.763768%	119.845384%
5. As Used Billing Determinants*	11,326,831,638	614,715,129	210,135,341.1	179,086,949.5	77,068,621.3	27,209,102.1	41,322,333.8	54,486,077.4	231,807,986.8

* As Used Billing Determinants are On-Peak Daily kW for SC-2D (Interval Metered), SC-3, and SC-3A and are Monthly kWh for SC-1 and SC-2ND

Case 17-E-0238
Appendix 2
Schedule 5.10
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Contract Demand Multiplier, As-Used On-Peak Daily Demand/Energy, and Wholesale Energy Billing Determinants
FY 2020

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
				Large General Service SC-3			Large General Service SC-3A		
	Residential Svc	Small General Service							
	SC-1	SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	Sec/Primary	Subtransmission	Transmission
1. Total Wholesale Energy Sales (kWh)	12,234,019,944	659,714,489	4,561,738,411	4,804,867,075	2,092,278,801	703,122,997	1,287,184,269	1,668,666,184	7,171,709,620
2. Sum of Customer Maximum Demands	-	-	18,265,136.7	14,647,981.5	6,736,964.3	2,087,418.5	3,187,228.8	4,160,833.1	15,513,528.8
3. Sum of Customer Demands	-	-	11,536,838.1	11,264,649.1	4,191,060.0	1,610,037.7	2,598,834.3	3,389,300.6	12,944,619.3
4. Contract Demand Multiplier	0.000000%	0.000000%	158.320127%	130.034957%	160.746070%	129.650285%	122.640710%	122.763768%	119.845384%
5. As Used Billing Determinants*	11,285,996,258	608,592,702	208,981,607.2	179,664,976.4	77,279,965.3	27,237,041.5	40,888,480.4	53,878,206.1	229,674,451.6

* As Used Billing Determinants are On-Peak Daily kW for SC-2D (Interval Metered), SC-3, and SC-3A and are Monthly kWh for SC-1 and SC-2ND

Case 17-E-0238
Appendix 2
Schedule 5.11
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Contract Demand Multiplier, As-Used On-Peak Daily Demand/Energy, and Wholesale Energy Billing Determinants
FY 2021

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
				Large General Service SC-3			Large General Service SC-3A		
	Residential Svc	Small General Service							
	SC-1	SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	Sec/Primary	Subtransmission	Transmission
1. Total Wholesale Energy Sales (kWh)	12,168,219,843	648,349,894	4,502,438,628	4,788,772,114	2,084,739,762	700,023,175	1,268,706,784	1,643,446,790	7,080,316,389
2. Sum of Customer Maximum Demands	-	-	18,265,136.7	14,647,981.5	6,736,964.3	2,087,418.5	3,187,228.8	4,160,833.1	15,513,528.8
3. Sum of Customer Demands	-	-	11,536,838.1	11,264,649.1	4,191,060.0	1,610,037.7	2,598,834.3	3,389,300.6	12,944,619.3
4. Contract Demand Multiplier	0.000000%	0.000000%	158.320127%	130.034957%	160.746070%	129.650285%	122.640710%	122.763768%	119.845384%
5. As Used Billing Determinants*	11,225,295,058	598,108,759	206,264,711.8	179,061,355.1	77,007,442.1	27,105,818.8	40,300,535.2	53,062,422.1	226,801,683.0

* As Used Billing Determinants are On-Peak Daily kW for SC-2D (Interval Metered), SC-3, and SC-3A and are Monthly kWh for SC-1 and SC-2ND

Case 17-E-0238
Appendix 2
Schedule 5.12
Page 1 of 1

Standby Allocated Cost of Service - Summary
($000s)

	Account Description	Balance Allocated Dollars	Residential Nonheat&Heat SC1-NHHT	Resid. TOU Time of Use SC1-TOU	Small Gen No Dem Non Demand SC2-ND	Small Gen Demand General SC2-D	Large Gen-Sec Secondary SC3-SEC	Large Gen-Pri Primary SC3-PRI	Large Gen-Tran Transmission SC3-SUB/TRAN?	Lge Gen TOU-S/P Secondary/Primary SC3A-SEC/PRI	Lge Gen TOU-SubT Subtransmission SC3A-SUB	Lge Gen TOU-Tran Transmission SC3A-TRA	Lighting
1	Total Revenue Requirement Shared	$ 867,590	$ 399,206	$ 8,033	$ 24,267	$ 135,468	$ 128,061	$ 49,154	$ 7,565	$ 28,662	$ 17,258	$ 65,808	$ 4,106
2	Total Revenue Requirement Local	$ 1,045,571	$ 737,875	$ 5,060	$ 58,189	$ 103,802	$ 56,515	$ 8,963	$ 2,480	$ 5,785	$ 3,259	$ 9,889	$ 53,753
3	Total Revenue Requirement	$ 1,913,161	$ 1,137,081	$ 13,093	$ 82,457	$ 239,270	$ 184,576	$ 58,117	$ 10,044	$ 34,448	$ 20,517	$ 75,697	$ 57,859
4	Percent Shared	45%	35%	61%	29%	57%	69%	85%	75%	83%	84%	87%	7%

Weighting of Shared Allocator for SC1-NHHT and SC1-TOU

5	Total Revenue Requirement Shared (SC-1 and SC1-TOU)	$ 407,239
6	Total Revenue Requirement Local (SC1 and SC1-TOU)	$ 742,935
7	Total Revenue Requirement (SC-1 and SC1-TOU)	$ 1,150,174
8	Percent Shared (SC-1 and SC1-TOU)	35%

1 Sum of Line 1 from Pages 2-7
2 Sum of Line 2 from Pages 2-7
3 Sum of Lines 1-2.
4 Line 1 / Line 3
5 Sum of Line 1 for Residential and Residential TOU Service Classes
6 Sum of Line 2 for Residential and Residential TOU Service Classes
7 Sum of Line 3 for Residential and Residential TOU Service Classes
8 Line 5 / Line 7

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 1 of 7

Standby Allocated Cost of Service - Transmission Demand
($000s)

	Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1	Total Revenue Requirement Shared	$459,912	$188,515	$3,726	$11,700	$66,493	$61,370	$23,680	$7,565	$13,714	$17,258	$65,808	$84
2	Total Revenue Requirement Local	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Total Revenue Requirement	$459,912	$188,515	$3,726	$11,700	$66,493	$61,370	$23,680	$7,565	$13,714	$17,258	$65,808	$84
4	Percent Shared	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7A.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7A.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 2 of 7

Standby Allocated Cost of Service - Primary Demand
($000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$407,677	$210,691	$4,307	$12,568	$68,976	$66,691	$25,474	$0	$14,948	$0	$0	$4,022
2 Total Revenue Requirement Local	$50,509	$32,956	$369	$1,898	$6,209	$5,157	$1,859	$2	$1,094	$1	$3	$962
3 Total Revenue Requirement	$458,186	$243,647	$4,676	$14,465	$75,185	$71,848	$27,333	$2	$16,042	$1	$3	$4,984
4 Percent Shared	89%	86%	92%	87%	92%	93%	93%	0%	93%	0%	0%	81%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7B.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7B.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 3 of 7

Standby Allocated Cost of Service - Primary Customer
($000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 Total Revenue Requirement Local	$ 252,299.85	$ 219,612.64	$ 873.98	$ 16,653.83	$ 10,008.78	$ 2,925.63	$ 882.03	$ 1.14	$ 473.64	$ 0.55	$ 1.49	$ 866.14
3 Total Revenue Requirement	$252,300	$219,613	$874	$16,654	$10,009	$2,926	$882	$1	$474	$1	$1	$866
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7C.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7C.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 4 of 7

Standby Allocated Cost of Service - Secondary Demand
($000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 Total Revenue Requirement Local	$ 194,848.10	$ 117,848.44	$ 1,162.73	$ 7,027.86	$ 37,347.04	$ 28,346.50	$ 11.67	$ 1.13	$ 935.72	$ 0.54	$ 1.48	$ 2,164.99
3 Total Revenue Requirement	$194,848	$117,848	$1,163	$7,028	$37,347	$28,346	$12	$1	$936	$1	$1	$2,165
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7D.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7D.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 5 of 7

Standby Allocated Cost of Service - Secondary Customer
($000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 Total Revenue Requirement Local	$ 190,511.03	$ 123,548.58	$ 502.19	$ 11,588.16	$ 6,933.49	$ 1,999.68	$ 36.46	$ 7.16	$ 162.57	$ 2.84	$ 4.63	$ 45,725.27
3 Total Revenue Requirement	$190,511	$123,549	$502	$11,588	$6,933	$2,000	$36	$7	$163	$3	$5	$45,725
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7E.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7E.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 6 of 7

Standby Allocated Cost of Service - On-site Customer
($000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 Total Revenue Requirement Local	$ 357,403	$ 243,909	$ 2,152	$ 21,022	$ 43,304	$ 18,087	$ 6,175	$ 2,468	$ 3,119	$ 3,254	$ 9,879	$ 4,035
3 Total Revenue Requirement	$ 357,403	$ 243,909	$ 2,152	$ 21,022	$ 43,304	$ 18,087	$ 6,175	$ 2,468	$ 3,119	$ 3,254	$ 9,879	$ 4,035
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedules 7E, 7F, 7G, 7H, 7I, 7K, 7L, and 7M.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedules 7E, 7F, 7G, 7H, 7I, 7K, 7L, and 7M.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Case 17-E-0238
Appendix 2
Schedule 5.13
Page 7 of 7

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

SC1-RESIDENTIAL	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge - Standard	$17.00	$17.00	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$22.60	$14.67	-$7.93	-35.1%
As-Used Daily Energy Charge per kWh	$0.01190	$0.02734	$0.01544	129.8%

SC2ND-SMALL GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$21.02	$21.02	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$19.85	$11.45	-$8.40	-42.3%
As-Used Daily Energy Charge per kWh	$0.01600	$0.03016	$0.01416	88.5%

SC2D-SMALL GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$52.52	$52.52	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.72	$2.14	-$2.58	-54.7%
Transformer Credit per kW	-$0.90	-$0.90	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2897	$0.4939	$0.2042	70.5%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$260.15	$325.00	$64.85	24.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.94	$1.66	-$3.28	-66.4%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2379	$0.5128	$0.2749	115.5%

SC3-LARGE GENERAL SERVICE PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$436.70	$436.70	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.07	$0.27	-$3.80	-93.3%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1920	$0.4806	$0.2886	150.3%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$565.23	$639.00	$73.77	13.1%
Customer Charge for Wholesale Generators	$175.91	$249.68	$73.77	41.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.20	$0.00	-$1.20	-100.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.0777	$0.1737	$0.0960	123.6%

SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$565.23	$639.00	$73.77	13.1%
Customer Charge for Wholesale Generators	$175.91	$249.68	$73.77	41.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.20	$0.00	-$1.20	-100.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.0777	$0.1737	$0.0960	123.6%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$1,000.00	$1,333.33	$333.33	33.3%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$3.71	$0.85	-$2.86	-77.1%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2691	$0.5144	$0.2453	91.2%

SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$1,000.00	$1,333.33	$333.33	33.3%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$3.71	$0.85	-$2.86	-77.1%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2691	$0.5144	$0.2453	91.2%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$1,400.00	$1,744.00	$344.00	24.6%
Customer Charge for Wholesale Generators	$436.07	$780.07	$344.00	78.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.65	$0.00	-$0.65	-100.0%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1591	$0.2056	$0.0465	29.2%

SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$3,500.00	$4,007.00	$507.00	14.5%
Customer Charge for Wholesale Generators	$988.00	$1,823.00	$835.00	84.5%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.64	$0.00	-$0.64	-100.0%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1235	$0.1728	$0.0493	39.9%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

SC1-RESIDENTIAL	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge - Standard	$17.00	$17.00	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$22.60	$16.53	-$6.07	-26.9%
As-Used Daily Energy Charge per kWh	$0.01190	$0.02913	$0.01723	144.8%

SC2ND-SMALL GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$21.02	$21.02	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$19.85	$12.58	-$7.27	-36.6%
As-Used Daily Energy Charge per kWh	$0.01600	$0.03165	$0.01565	97.8%

SC2D-SMALL GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$52.52	$52.52	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.72	$2.37	-$2.35	-49.8%
Transformer Credit per kW	-$0.90	-$0.90	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2897	$0.5278	$0.2381	82.2%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$260.15	$390.00	$129.85	49.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.94	$1.62	-$3.32	-67.2%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2379	$0.5421	$0.3042	127.9%

SC3-LARGE GENERAL SERVICE PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$436.70	$436.70	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.07	$0.33	-$3.74	-91.9%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1920	$0.5100	$0.3180	165.6%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$565.23	$712.00	$146.77	26.0%
Customer Charge for Wholesale Generators	$175.91	$322.68	$146.77	83.4%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.20	$0.00	-$1.20	-100.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.0777	$0.1826	$0.1049	135.0%

SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$565.23	$712.00	$146.77	26.0%
Customer Charge for Wholesale Generators	$175.91	$322.68	$146.77	83.4%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.20	$0.00	-$1.20	-100.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.0777	$0.1826	$0.1049	135.0%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$1,000.00	$1,666.67	$666.67	66.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$3.71	$0.84	-$2.87	-77.4%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2691	$0.5467	$0.2776	103.2%

SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$1,000.00	$1,666.67	$666.67	66.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$3.71	$0.84	-$2.87	-77.4%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2691	$0.5467	$0.2776	103.2%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$1,400.00	$2,088.00	$688.00	49.1%
Customer Charge for Wholesale Generators	$436.07	$1,124.07	$688.00	157.8%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.65	$0.00	-$0.65	-100.0%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1591	$0.2095	$0.0504	31.7%

SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$3,500.00	$4,513.00	$1,013.00	28.9%
Customer Charge for Wholesale Generators	$988.00	$2,329.00	$1,341.00	135.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.64	$0.00	-$0.64	-100.0%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1235	$0.1931	$0.0696	56.4%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

SC1-RESIDENTIAL	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge - Standard	$17.00	$17.00	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$22.60	$18.47	-$4.13	-18.3%
As-Used Daily Energy Charge per kWh	$0.01190	$0.03107	$0.01917	161.1%

SC2ND-SMALL GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$21.02	$21.02	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$19.85	$14.08	-$5.77	-29.1%
As-Used Daily Energy Charge per kWh	$0.01600	$0.03378	$0.01778	111.1%

SC2D-SMALL GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$52.52	$52.52	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.72	$2.60	-$2.12	-44.9%
Transformer Credit per kW	-$0.90	-$0.90	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2897	$0.5639	$0.2742	94.7%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$260.15	$455.00	$194.85	74.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.94	$1.58	-$3.36	-68.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2379	$0.5747	$0.3368	141.6%

SC3-LARGE GENERAL SERVICE PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$436.70	$436.70	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$4.07	$0.38	-$3.69	-90.6%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1920	$0.5394	$0.3474	181.0%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$565.23	$786.00	$220.77	39.1%
Customer Charge for Wholesale Generators	$175.91	$396.68	$220.77	125.5%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.20	$0.00	-$1.20	-100.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.0777	$0.1915	$0.1138	146.4%

SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$565.23	$786.00	$220.77	39.1%
Customer Charge for Wholesale Generators	$175.91	$396.68	$220.77	125.5%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.20	$0.00	-$1.20	-100.0%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.0777	$0.1915	$0.1138	146.4%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$1,000.00	$2,000.00	$1,000.00	100.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$3.71	$0.83	-$2.88	-77.6%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2691	$0.5808	$0.3117	115.8%

SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$1,000.00	$2,000.00	$1,000.00	100.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$3.71	$0.83	-$2.88	-77.6%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2691	$0.5808	$0.3117	115.8%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$1,400.00	$2,432.00	$1,032.00	73.7%
Customer Charge for Wholesale Generators	$436.07	$1,468.07	$1,032.00	236.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.65	$0.00	-$0.65	-100.0%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1591	$0.2183	$0.0592	37.2%

SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$3,500.00	$5,020.00	$1,520.00	43.4%
Customer Charge for Wholesale Generators	$988.00	$2,836.00	$1,848.00	187.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.64	$0.00	-$0.64	-100.0%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1235	$0.1954	$0.0719	58.2%

	Fiscal Year 2019 RDM Annual Revenue Targets	
Lines		RDM Annual Target Revenue
1	SC1	$859,248,259
2	SC1C	$10,475,930
3	SC2ND	$62,998,060
4	SC2D	$183,586,394
5	SC3 Sec	$131,381,790
6	SC3 Pri	$43,230,696
7	SC3 Sub/Tran	$6,228,159
8	SC3A Sec/Pri	$25,099,257
9	SC3A Sub	$12,910,966
10	SC3A Tran	$41,084,688
11	PSC 214 (all classes)	$53,661,530
12	Totals	$1,429,905,730

	Fiscal Year 2020 RDM Annual Revenue Targets	
		RDM Annual Target Revenue
13	SC1	$912,579,494
14	SC1C	$10,459,673
15	SC2ND	$65,451,889
16	SC2D	$195,081,280
17	SC3 Sec	$139,407,139
18	SC3 Pri	$46,039,004
19	SC3 Sub/Tran	$6,629,440
20	SC3A Sec/Pri	$26,421,151
21	SC3A Sub	$13,227,359
22	SC3A Tran	$45,910,585
23	PSC 214 (all classes)	$53,802,627
24	Totals	$1,515,009,640

	Fiscal Year 2021 RDM Annual Revenue Targets	
		RDM Annual Target Revenue
25	SC1	$968,230,669
26	SC1C	$10,609,982
27	SC2ND	$68,650,905
28	SC2D	$205,722,764
29	SC3 Sec	$147,376,007
30	SC3 Pri	$48,559,727
31	SC3 Sub/Tran	$7,009,921
32	SC3A Sec/Pri	$27,689,589
33	SC3A Sub	$13,732,187
34	SC3A Tran	$46,381,895
35	PSC 214 (all classes)	$54,304,938
36	Totals	$1,598,268,585

Lines 1-12, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification
Lines 13-24, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification
Lines 25-36, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification

	Fiscal Year 2022 RDM Annual Revenue Targets	
		RDM Annual Target Revenue
37	SC1	$977,507,598
38	SC1C	$10,730,256
39	SC2ND	$69,348,600
40	SC2D	$206,816,161
41	SC3 Sec	$148,819,590
42	SC3 Pri	$48,998,238
43	SC3 Sub/Tran	$7,075,861
44	SC3A Sec/Pri	$27,956,538
45	SC3A Sub	$14,035,076
46	SC3A Tran	$46,822,389
47	PSC 214 (all classes)	$54,844,938
48	Totals	$1,612,955,244

	Fiscal Year 2023 RDM Annual Revenue Targets	
		RDM Annual Target Revenue
49	SC1	$979,206,685
50	SC1C	$10,809,901
51	SC2ND	$70,048,741
52	SC2D	$207,316,236
53	SC3 Sec	$149,419,188
54	SC3 Pri	$49,212,592
55	SC3 Sub/Tran	$7,110,527
56	SC3A Sec/Pri	$27,964,897
57	SC3A Sub	$14,092,718
58	SC3A Tran	$47,222,821
59	PSC 214 (all classes)	$55,279,938
60	Totals	$1,617,684,244

Lines 37-48, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification
Lines 49-60, Total Base Delivery Revenue on Appendix 2, Schedule 2 YR4 revenues per applicable service classification without the surcredit

Credit & Collections - Rate Year 1

Line #					
1	Total Rev Requirement	$ 4,043,606			
2					
3					
4		Non-Demand	Demand	Streetlighting	Total
5	Total Revenue Requirement (Allocated by Commodity)	$ 3,938,178	$ 104,267	$ 1,161	$ 4,043,606
6	FY2019 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)	11,180,418,956	4,982,309,549	94,469,307	16,257,197,813
	$/kWh	**$ 0.00035**	**$ 0.00002**	**$ 0.00001**	

1 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 3

Credit & Collections - Rate Year 2

Line #					
1	Total Rev Requirement	$ 4,043,606			
2					
3					
4		Non-Demand	Demand	Streetlighting	Total
5	Total Revenue Requirement (Allocated by Commodity)	$ 3,938,178	$ 104,267	$ 1,161	$ 4,043,606
6	FY2020 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)	10,856,536,170	4,909,781,344	92,000,361	15,858,317,875
	$/kWh	**$ 0.00036**	**$ 0.00002**	**$ 0.00001**	

1 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 3

Credit & Collections - Rate Year 3

Line #					
1	Total Rev Requirement	$ 4,043,606			
2					
3					
4		Non-Demand	Demand	Streetlighting	Total
5	Total Revenue Requirement (Allocated by Commodity)	$ 3,938,178	$ 104,267	$ 1,161	$ 4,043,606
6	FY2021 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)	10,500,114,043	4,815,161,324	89,531,414	15,404,806,781
	$/kWh	**$ 0.00038**	**$ 0.00002**	**$ 0.00001**	

1 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 3

Uncollectibles - Rate Year 1

Merchant Function Charge

		Non-Demand	Demand	Streetlighting	Total
1	Revenue for Historic Year Ended 12/31/16	$ 5,478,542,831	$ 2,509,268,157	$ 172,349,549	$ 8,160,160,537
2	Net Writeoffs (Historic Test Year Ended 12/31/	$ 126,208,387	$ 4,922,917	$ 267,298	$ 131,398,603
3	Uncollectible factor	**2.30%**	**0.20%**	**0.16%**	
4	FY2019 Forecast Pure Commodity Revenue	$ 419,326,721	$ 146,357,612	$ 2,199,248	$ 567,883,581
5	Forecast Uncollectible MFC collected	$ 9,659,968	$ 287,138	$ 3,411	$ 9,950,517
6	FY2019 Forecast Full Service Customer kWh S	8,787,213,221	3,371,583,200	64,473,645	12,223,270,066
7	**$/kWh**	**$ 0.00110**	**$ 0.00009**	**$ 0.00005**	

1 Includes LPC and POR Revenue for Historic year ended 12/31/16
2 Net Writeoffs per Paul Leo's analysis of Historic Test Year (12 months ended 12/31/16)
3 Line 2 / Line 1
4 FY2019 Forecast Pure Commodity Revenue (excludes SC12 contracts)
5 Line 3 * Line 4
6 FY2019 Forecast Full Customer kWh sales (excludes SC12 contracts)
7 Line 12 / Line 13

Uncollectibles - Rate Year 2

Merchant Function Charge

		Non-Demand	Demand	Streetlighting	Total
1	Revenue for Historic Year Ended 12/31/16	$ 5,478,542,831	$ 2,509,268,157	$ 172,349,549	$ 8,160,160,537
2	Net Writeoffs (Historic Test Year Ended 12/31/	$ 126,208,387	$ 4,922,917	$ 267,298	$ 131,398,603
3	Uncollectible factor	**2.30%**	**0.20%**	**0.16%**	
4	FY2020 Forecast Pure Commodity Revenue	$ 392,578,555	$ 141,777,115	$ 2,076,138	$ 536,431,807
5	Forecast Uncollectible MFC collected	$ 9,043,775	$ 278,152	$ 3,220	$ 9,325,146
6	FY2019 Forecast Full Service Customer kWh S	8,463,330,435	3,299,054,995	62,004,698	11,824,390,129
7	**$/kWh**	**$ 0.00107**	**$ 0.00008**	**$ 0.00005**	

1 Includes LPC and POR Revenue for Historic year ended 12/31/16
2 Net Writeoffs per Paul Leo's analysis of Historic Test Year (12 months ended 12/31/16)
3 Line 2 / Line 1
4 FY2020 Forecast Pure Commodity Revenue (excludes SC12 contracts)
5 Line 3 * Line 4
6 FY2020 Forecast Full Customer kWh sales (excludes SC12 contracts)
7 Line 12 / Line 13

Uncollectibles - Rate Year 3

Merchant Function Charge

		Non-Demand	Demand	Streetlighting	Total
1	Revenue for Historic Year Ended 12/31/16	$ 5,478,542,831	$ 2,509,268,157	$ 172,349,549	$ 8,160,160,537
2	Net Writeoffs (Historic Test Year Ended 12/31/	$ 126,208,387	$ 4,922,917	$ 267,298	$ 131,398,603
3	Uncollectible factor	**2.30%**	**0.20%**	**0.16%**	
4	FY2020 Forecast Pure Commodity Revenue	$ 372,446,620	$ 140,009,641	$ 1,989,426	$ 514,445,687
5	Forecast Uncollectible MFC collected	$ 8,579,998	$ 274,684	$ 3,085	$ 8,857,768
6	FY2019 Forecast Full Service Customer kWh S	8,106,908,308	3,204,434,975	59,535,752	11,370,879,035
7	**$/kWh**	**$ 0.00106**	**$ 0.00009**	**$ 0.00005**	

1 Includes LPC and POR Revenue for Historic year ended 12/31/16
2 Net Writeoffs per Paul Leo's analysis of Historic Test Year (12 months ended 12/31/16)
3 Line 2 / Line 1
4 FY2021 Forecast Pure Commodity Revenue (excludes SC12 contracts)
5 Line 3 * Line 4
6 FY2021 Forecast Full Customer kWh sales (excludes SC12 contracts)
7 Line 12 / Line 13

Supply Procurement- Rate Year 1
Merchant Function Charge

Line #		Competitive Supply Procurement
1		
2	Total Rev Requirement	$ 3,069,684
2	FY 2019 forecast of Full service kWh sales	12,516,678,679
3		
4	**$/kWh**	**$ 0.00025**

2 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 2

Supply Procurement- Rate Year 2
Merchant Function Charge

Line #		Competitive Supply Procurement
1		
2	Total Rev Requirement	$ 3,069,684
2	FY 2020 forecast of Full service kWh sales	12,109,688,639
3		
4	**$/kWh**	**$ 0.00025**

2 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 2

Supply Procurement- Rate Year 3
Merchant Function Charge

Line #		Competitive Supply Procurement
1		
2	Total Rev Requirement	$ 3,069,684
2	FY 2021 forecast of Full service kWh sales	11,654,335,732
3		
4	**$/kWh**	**$ 0.00026**

2 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Development of Target Rate Year 1 Revenue Per Lighting Service Class

Forecast Rate Year 1 Revenue at Present Rates

Service Class	Proposed Usage	Present T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D [3]	Pct. of Total Revenue
SC-1	21,736,230	0.08787	$1,909,963	$1,591,691	$3,501,654	54.5%	6.6%
SC-2	140,352,171	0.08575	$12,035,199	$36,287,451	$48,322,650	24.9%	90.5%
Contract	141,564	0.08575	$12,139	$59,020	$71,159	17.1%	0.1%
	140,493,735		$12,047,338	$36,346,471	$48,393,808	24.9%	90.6%
[1]SC-3	9,032,444	0.05906	$533,456	$7,371	$540,827	98.6%	1.0%
SC-6	296,136	0.05906	$17,490	$4,025	$21,515	81.3%	0.0%
	9,328,580		$550,946	$11,396	$562,342	98.0%	1.1%
[2]SC-4	8,970,329	0.01075	$96,431	$841,377	$937,808	10.3%	1.8%
Total	**180,528,874**		**$14,604,677**	**$38,790,935**	**$53,395,612**	**27.4%**	**100.0%**

(1) The SC-3 facility revenue is from a single SC-3 contract customer.
(2) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of presentation.
(3) The total current revenue reflects the proper T&D contract rates, as compared to Appendix 2, Schedule 1.

Revenue Requirement Allocation [1]	*Target Revenue*	*Dollar Increase*	*% Increase*
$53,661,530	$53,661,530	$265,919	0.5%

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate[2]	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	Facility Price Increase %	Revenue Neutral SC1/SC2/Cnt T&D Revenue	Revenue Neutral SC1/SC2/Cnt T&D Rate
SC-1	21,736,230	0.08646	$1,879,369	$1,639,723	$3,519,092	53.4%	6.6%	3.0%	$ 1,919,474	
SC-2	140,352,171	0.08646	$12,135,201	$36,428,103	$48,563,304	25.0%	90.9%	0.4%	$ 12,095,136	
Contract	141,564	0.08646	$12,240	$59,273	$71,513	17.1%	0.1%	0.4%	$ 12,200	
	140,493,735		$12,147,441	$36,487,376	$48,634,817	25.0%	91.1%		$ 14,026,810	0.08646
SC-3	9,032,444	0.05935	$536,113	$7,408	$543,521	98.6%	1.0%	0.5%		
SC-6	296,136	0.05935	$17,577	$4,045	$21,622	81.3%	0.0%	0.5%		
	9,328,580		$553,690	$11,453	$565,143	98.0%	1.1%			
SC-4	8,970,329	0.01080	$96,911	$845,567	$942,478	10.3%	1.8%	0.5%		
Total	**180,528,874**		**$14,677,411**	**$38,984,120**	**$53,661,530**	**27.4%**	**100.0%**			
		Dollar Increase:	$72,734	$193,185	$265,919					
		Percent Increase:	0.5%	0.5%	0.5%					

(1) Source: Appendix 2, Schedule 2. Target Delivery Revenue Year 1 plus Tax Change plus Surcredit
(2) Target T&D rates are not rounded. Proposed T&D rates below are rounded to five decimal places.

Rate Year 1 Revenue at Proposed Rates

Service Class	Proposed Usage	Proposed T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %
SC-1	21,736,230	0.08646	$1,879,314	$1,639,878	$3,519,192	53.4%	6.6%	-1.6%	3.0%
SC-2	140,352,171	0.08646	$12,134,849	$36,432,317	$48,567,166	25.0%	90.5%	0.8%	0.4%
Contract	141,564	0.08646	$12,240	$59,222	$71,462	17.1%	0.1%	0.8%	0.3%
	140,493,735		$12,147,088	$36,491,540	$48,638,628	25.0%	90.6%	0.8%	0.4%
SC-3	9,032,444	0.05935	$536,076	$8,650	$544,726	98.4%	1.0%	0.5%	17.4%
SC-6	296,136	0.05935	$17,576	$4,047	$21,622	81.3%	0.0%	0.5%	0.5%
	9,328,580		$553,651	$12,697	$566,348	97.8%	1.1%	0.5%	11.4%
SC-4	8,970,329	0.01080	$96,880	$845,422	$942,301	10.3%	1.8%	0.5%	0.5%
Total	**180,528,874**		**$14,676,934**	**$38,989,536**	**$53,666,470**	**27.3%**	**100.0%**	0.5%	0.5%
		Dollar Increase:	$72,256	$198,602	$270,858				
		Percent Increase:	0.5%	0.5%	0.5%				

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Summary of Rate Year 1 Revenue at Present and Proposed Rates

Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	21,736,230	0.08787	$1,909,963	$1,591,691	$3,501,654
Target		0.08646	$1,879,369	$1,639,723	$3,519,092
Proposed	21,736,230	0.08646	$1,879,314	$1,639,878	$3,519,192
Present to Proposed (%)	0.0%	-1.6%	-1.6%	3.0%	0.5%
Present to Proposed ($)	n/a	-0.00141	-$30,648	$48,187	$17,538
Proposed minus Target	n/a	0.00000	-$55	$154	$100
			0.00%	0.01%	0.00%

Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	140,352,171	0.08575	$12,035,199	$36,287,451	$48,322,650
Target		0.08646	$12,135,201	$36,428,103	$48,563,304
Proposed	140,352,171	0.08646	$12,134,849	$36,432,317	$48,567,166
Present to Proposed (%)	0.0%	0.8%	0.8%	0.4%	0.5%
Present to Proposed ($)	n/a	0.00071	$99,650	$144,866	$244,516
Proposed minus Target	n/a	0.00000	-$352	$4,214	$3,862
			0.00%	0.01%	0.01%

Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	9,032,444	0.05906	$533,456	$7,371	$540,827
Target		0.05935	$536,113	$7,408	$543,521
Proposed	9,032,444	0.05935	$536,076	$8,650	$544,726
Present to Proposed (%)	0.0%	0.5%	0.5%	17.4%	0.7%
Present to Proposed ($)	n/a	0.00029	$2,619	$1,279	$3,899
Proposed minus Target	n/a	0.00000	-$37	$1,243	$1,206
			-0.01%	14.37%	0.22%

Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	8,970,329	0.01075	$96,431	$841,377	$937,808
Target		0.01080	$96,911	$845,567	$942,478
Proposed	8,970,329	0.01080	$96,880	$845,422	$942,301
Present to Proposed (%)	0.0%	0.5%	0.5%	0.5%	0.5%
Present to Proposed ($)	n/a	0.00005	$449	$4,045	$4,494
Proposed minus Target	n/a	0.00000	-$32	-$145	-$177
			-0.03%	-0.02%	-0.02%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Summary of Rate Year 1 Revenue at Present and Proposed Rates

Contract Street Lighting (Customer Contributory Provisions)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	141,564	0.08575	$12,139	$59,020	$71,159
Target		0.08646	$12,240	$59,273	$71,513
Proposed	141,564	0.08646	$12,240	$59,222	$71,462
Present to Proposed (%)	0.0%	0.8%	0.8%	0.3%	0.4%
Present to Proposed ($)	n/a	0.00071	$101	$203	$303
Proposed minus Target	n/a	0.00000	$0	-$51	-$51
			0.00%	-0.09%	-0.07%

Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	296,136	0.05906	$17,490	$4,025	$21,515
Target		0.05935	$17,577	$4,045	$21,622
Proposed	296,136	0.05935	$17,576	$4,047	$21,622
Present to Proposed (%)	0.0%	0.5%	0.5%	0.5%	0.5%
Present to Proposed ($)	n/a	0.00029	$86	$21	$107
Proposed minus Target	n/a	0.00000	-$1	$1	$0
			-0.01%	0.03%	0.00%

Total P.S.C. No. 214 Electricity

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	180,528,874	n/a	$14,604,677	$38,790,935	$53,395,612
Target			$14,677,411	$38,984,120	$53,661,530
Proposed	180,528,874	n/a	$14,676,934	$38,989,536	$53,666,470
Present to Proposed (%)	0.0%		0.5%	0.5%	0.5%
Present to Proposed ($)	n/a	n/a	$72,256	$198,602	$270,858
Proposed minus Target	n/a	n/a	-$477	$5,417	$4,939
			0.00%	0.01%	0.01%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Present T&D rate 0.08787 | 1 | 3.0%
Proposed T&D rate 0.08646
Use Group Tariff Prices

Description	Present Facility Class	Billed Annual kWh per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
LAMP & LUMINAIRE																	
High Pressure Sodium																	
Coach, 70W	Closed	360	$113.28	$116.64	3.0%	$116.28	12.0	4,320	$380	$1,359	$1,739		12	4,320	$374	$1,400	$1,773
Coach, 100W	Closed	492	$113.04	$116.40	3.0%	$116.28	1.0	492	$43	$113	$156		1	492	$43	$116	$159
Coach, 150W	Closed	720	$113.04	$116.40	3.0%	$116.28	17.0	12,240	$1,076	$1,922	$2,997		17	12,240	$1,058	$1,979	$3,037
Edison, 70W	Closed	360	$108.00	$111.24	3.0%	$116.28	25.0	9,000	$791	$2,700	$3,491		25	9,000	$778	$2,781	$3,559
Edison, 100W	Closed	492	$114.12	$117.60	3.0%	$116.28	90.0	44,280	$3,891	$10,271	$14,162		90	44,280	$3,828	$10,584	$14,412
Edison, 150W	Closed	720	$106.20	$109.44	3.1%	$116.28	0.0	-	$0	$0	$0		0	-	$0	$0	$0
Floodlight, 250W	Standard	1,272	$74.52	$76.80	3.1%	$76.80	1145.7	1,457,288	$128,052	$85,375	$213,427		1145.67	1,457,288	$125,997	$87,987	$213,984
Floodlight, 400W	Standard	1,956	$74.52	$76.80	3.1%	$76.80	1664.1	3,254,947	$286,012	$124,007	$410,020		1664.08	3,254,947	$281,423	$127,802	$409,224
Roadway, 70W	Standard	360	$57.48	$59.16	2.9%	$63.00	518.8	186,750	$16,410	$29,818	$46,227		518.75	186,750	$16,146	$30,689	$46,836
Roadway, 100W	Standard	492	$57.60	$59.28	2.9%	$63.00	2087.2	1,026,886	$90,232	$120,221	$210,453		2087.17	1,026,886	$88,785	$123,727	$212,512
Roadway, 150W	Standard	720	$57.84	$59.64	3.1%	$63.00	1924.7	1,385,760	$121,767	$111,323	$233,089		1924.67	1,385,760	$119,813	$114,787	$234,600
Roadway, 250W	Standard	1,272	$66.00	$68.04	3.1%	$63.00	1441.6	1,833,694	$161,127	$95,145	$256,271		1441.58	1,833,694	$158,541	$98,085	$256,627
Roadway, 400W	Standard	1,956	$66.24	$68.28	3.1%	$63.00	1719.2	3,362,690	$295,480	$113,878	$409,357		1719.17	3,362,690	$290,738	$117,385	$408,123
Shoebox, 100W	Closed	492	$90.00	$92.76	3.1%	$94.20	0.0	-	$0	$0	$0		0	-	$0	$0	$0
Shoebox, 150W	Closed	720	$90.00	$92.76	3.1%	$94.20	0.0	-	$0	$0	$0		0	-	$0	$0	$0
Shoebox, 250W	Closed	1,272	$90.00	$92.76	3.1%	$94.20	1.0	1,272	$112	$90	$202		1	1,272	$110	$93	$203
Shoebox, 400W	Closed	1,956	$91.56	$94.32	3.0%	$94.20	8.0	15,648	$1,375	$732	$2,107		8	15,648	$1,353	$755	$2,107
Traditional, 70W	Closed	360	$61.08	$62.88	2.9%	$63.00	6.5	2,340	$206	$397	$603		6.5	2,340	$202	$409	$611
Traditional, 100W	Closed	492	$61.32	$63.12	2.9%	$63.00	19.0	9,348	$821	$1,165	$1,986		19	9,348	$808	$1,199	$2,008
Traditional, 150W	Closed	720	$61.08	$62.88	2.9%	$63.00	2.0	1,440	$127	$122	$249		2	1,440	$125	$126	$250
Floodlight, 1000W	Obsolete	4,620	$92.64	$95.40	3.0%	$95.40	281.2	1,298,990	$114,142	$26,047	$140,190		281.167	1,298,990	$112,311	$26,823	$139,134
Roadway, 1000W	Obsolete	4,620.0	$128.52	$132.36	3.0%	$132.36	179.7	830,060	$72,937	$23,091	$96,028		179.667	830,060	$71,767	$23,781	$95,548
Metal Halide																	
Floodlight, 400W	Standard	1,884	$85.56	$88.20	3.1%	$88.44	891.5	1,679,586	$147,585	$76,277	$223,862		891.5	1,679,586	$145,217	$78,630	$223,847
Shoebox, 400W	Closed	1,884	$92.16	$94.92	3.0%	$88.44	32.0	60,288	$5,298	$2,949	$8,247		32	60,288	$5,213	$3,037	$8,250
Shoebox, 1000W	Closed	4,500	$90.00	$92.76	3.1%	$88.44	0.0	-	$0	$0	$0		0	-	$0	$0	$0
LL Flood MH 250	Standard	1,236	$85.56	$88.20	3.1%	$88.44	0	-	$0	$0	$0		0	-	$0	$0	$0
LL Flood MH 400	Standard	1,884	$85.56	$88.20	3.1%	$88.44	29.8	56,049	$4,925	$2,545	$7,470		29.75	56,049	$4,846	$2,624	$7,470
LL Flood MH 1000	Standard	4,500	$85.56	$88.20	3.1%	$88.44	0	-	$0	$0	$0		0	-	$0	$0	$0
Mercury Vapor																	
Floodlight, 400W	Obsolete	1,992	$76.32	$78.60	3.0%	$64.44	75.3	149,898	$13,172	$5,743	$18,915		75.25	149,898	$12,960	$5,915	$18,875
Floodlight, 1000W	Obsolete	4,572	$95.16	$98.04	3.0%	$98.04	84.7	387,096	$34,014	$8,057	$42,071		84.6667	387,096	$33,468	$8,301	$41,769
Roadway, 175W	Obsolete	876	$58.80	$60.60	3.1%	$64.44	1810.9	1,586,363	$139,394	$106,482	$245,876		1810.92	1,586,363	$137,157	$109,742	$246,898
Roadway, 400W	Obsolete	1,992	$67.92	$69.96	3.0%	$64.44	1059.2	2,109,860	$185,393	$71,939	$257,332		1059.17	2,109,860	$182,418	$74,099	$256,518
Roadway, 1000W	Obsolete	4,572	$134.52	$138.60	3.0%	$138.60	212.1	969,645	$85,203	$28,529	$113,732		212.083	969,645	$83,836	$29,395	$113,230
POLES/STANDARDS																	
Overhead Service																	
Additional Wood Pole	Standard		$78.12	$80.52	3.1%		3963.9	-	$0	$309,661	$309,661		3963.92	-	$0	$319,175	$319,175
Underground Service																	
Standards > 16 ft.																	
Aluminum - AB - w/davit)	Closed		$214.92	$221.40	3.0%		17.0	-	$0	$3,654	$3,654		17	-	$0	$3,764	$3,764
Aluminum - AB - square)	Closed		$471.24	$485.52	3.0%		17.0	-	$0	$8,011	$8,011		17	-	$0	$8,254	$8,254
Fiberglass - AB - w/pendant arm)	Closed		$145.80	$150.24	3.0%		0.0	-	$0	$0	$0		0	-	$0	$0	$0
Standard <= 16 ft																	
Aluminum - AB - square	Closed		$288.00	$296.64	3.0%		0.0	-	$0	$0	$0		0	-	$0	$0	$0
Fiberglass, AB	Closed		$74.52	$76.80	3.1%		108.0	-	$0	$8,048	$8,048		108	-	$0	$8,294	$8,294

Case 17-E-0238
Appendix 2
Schedule 8.3a
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Present T&D rate 0.08787
Proposed T&D rate 0.08646

1 Use Group Tariff Prices **3.0%**

Description	Present Facility Class	Billed Annual kWh per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
Fiberglass, direct embedded (DE)	Closed		$99.84	$102.84	3.0%		62.5	-	$0	$6,240	$6,240		62.5	-	$0	$6,428	$6,428
SD Alum =<16' AB SQ	Standard		$288.00	$296.64	3.0%		0.0	-	$0	$0	$0		0	-	$0	$0	$0
FOUNDATIONS																	
Concrete - Cast-In-Place (CIP)																	
For AB standard > 16 ft.	Closed		$250.44	$258.00	3.0%		9.0	-	$0	$2,254	$2,254		9	-	$0	$2,322	$2,322
For AB standard <= 16 ft.	Closed		$181.80	$187.32	3.0%		0.0	-	$0	$0	$0		0	-	$0	$0	$0
											$0						
Concrete - Pre-Cast (PC)																	
for AB standards	Closed		$149.76	$154.32	3.0%		7.0	-	$0	$1,048	$1,048		7	-	$0	$1,080	$1,080
											$0						
Mechanical - Screw Type																	
for AB standards	Obsolete		$112.56	$115.92	3.0%		126.0	-	$0	$14,183	$14,183		126	-	$0	$14,606	$14,606
CIRCUITRY																	
Overhead Service - one span	Standard		$36.36	$37.44	3.0%		4787.3	-	$0	$174,064	$174,064		4787.25	-	$0	$179,235	$179,235
Underground Service																	
Cable and conduit, per foot	Closed		$2.16	$2.28	5.6%		1997.0	-	$0	$4,314	$4,314		1997	-	$0	$4,553	$4,553
Cable only, per foot	Closed		$0.36	$0.36	0.0%		772.0	-	$0	$278	$278		772	-	$0	$278	$278
Direct buried cable, per foot	Closed		$1.44	$1.44	0.0%		6694.1	-	$0	$9,639	$9,639		6694.08	-	$0	$9,639	$9,639
					Annual Total			**21,736,230**	**1,909,963**	**1,591,691**	**3,501,654**			**21,736,230**	**1,879,314**	**1,639,878**	**3,519,192**
																3.03%	
														TARGET	$1,879,369	**$1,639,723**	$3,519,092
														PROPOSED MINUS TARGET	-$55	$154	$100
																Error due to Tariff Rate rounding	

New Facility additions (no billed quantities)

LL Roadway LED-A	Standard	$0.00	$0.00
LL Roadway LED-B	Standard	$83.83	$83.88
LL Roadway LED-C	Standard	$88.52	$88.68
LL Roadway LED-D	Standard	$110.09	$110.28
LL Roadway LED-E	Standard	$0.00	$0.00
LL Roadway LED-F	Standard	$119.16	$119.28

Case 17-E-0238
Appendix 2
Schedule 8.3a
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Present T&D rate 0.08575 | Leap Yr =1, NonLeapYr =0 | **1** | 33.7% | LED Facility % **0.1%**
Proposed T&D rate 0.08646 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.4%**
0.83% increase

Description	Present Facility Class	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
LAMPS																	
High Pressure Sodium																	
70W	Standard	86	$7.99	$8.04	0.6%	$ 8.04	43,820	15,714,890	$1,347,552	$350,125	$1,697,677	347.50	43,820	15,714,890	$1,358,709	$352,316	$1,711,026
24 HR - 70W	Standard	86	$15.98	$15.96	-0.1%	$16.08	-	-	$0	$0	$0	730.00	-	-	$0	$0	$0
100W	Standard	118	$7.99	$8.04	0.6%	$8.04	82,836	40,760,293	$3,495,195	$661,860	$4,157,055	347.50	82,836	40,760,293	$3,524,135	$666,002	$4,190,137
24 HR - 100W	Standard	118	$15.98	$15.96	-0.1%	$16.08	38	38,920	$3,337	$602	$3,939	730.00	38	38,920	$3,365	$601	$3,966
150W	Standard	173	$7.99	$8.04	0.6%	$8.04	32,467	23,421,848	$2,008,423	$259,409	$2,267,833	347.50	32,467	23,421,848	$2,025,053	$261,033	$2,286,086
24 HR - 150W	Standard	173	$15.98	$15.96	-0.1%	$16.08	104	158,170	$13,563	$1,668	$15,231	730.00	104	158,170	$13,675	$1,666	$15,341
250W	Standard	304	$8.17	$8.16	-0.1%	$8.04	25,276	32,041,541	$2,747,562	$206,503	$2,954,065	347.50	25,276	32,041,541	$2,770,312	$206,250	$2,976,562
24 HR - 250W	Standard	304	$16.34	$16.32	-0.1%	$16.08	88	235,348	$20,181	$1,444	$21,625	730.00	88	235,348	$20,348	$1,442	$21,790
400W	Standard	470	$8.17	$8.16	-0.1%	$8.04	**6,153**	12,059,009	$1,034,060	$50,269	$1,084,329	347.50	6,153	12,059,009	$1,042,622	$50,207	$1,092,829
24 HR - 400W	Standard	470	$16.34	$16.32	-0.1%	$16.08	-	-	$0	$0	$0	730.00	-	-	$0	$0	$0
1000W	Closed	1106	$16.43	$16.44	0.1%	$16.44	313	1,442,177	$123,667	$5,138	$128,804	347.50	313	1,442,177	$124,691	$5,141	$129,831
Metal Halide								-						-			
175W	Standard	207	$56.31	$56.40	0.2%	$ 55.44	2,323	2,005,288	$171,953	$130,815	$302,768	347.50	2,323	2,005,288	$173,377	$131,024	$304,401
250W	Standard	295	$56.31	$56.40	0.2%	$55.44	275	338,281	$29,008	$15,485	$44,492	347.50	275	338,281	$29,248	$15,510	$44,757
400W	Standard	451	$50.82	$50.88	0.1%	$55.44	569	1,070,093	$91,761	$28,916	$120,677	347.50	569	1,070,093	$92,520	$28,951	$121,471
1000W	Closed	1078	$54.36	$54.48	0.2%	$55.44	2	7,321	$628	$89	$716	347.50	2	7,321	$633	$89	$722
Mercury Vapor								-						-			
100W	Obsolete	130	$6.84	$6.84	0.0%	$ 6.84	598	323,973	$27,781	$4,088	$31,868	347.50	598	323,973	$28,011	$4,088	$32,098
175W	Obsolete	211	$6.84	$6.84	0.0%	$6.84	1,462	1,286,769	$110,340	$10,003	$120,344	347.50	1,462	1,286,769	$111,254	$10,003	$121,257
400W	Obsolete	477	$7.21	$7.20	-0.1%	$6.84	372	739,447	$63,408	$2,680	$66,088	347.50	372	739,447	$63,933	$2,677	$66,609
1000W	Obsolete	1095	$13.08	$13.08	0.0%	$13.08	4	18,592	$1,594	$53	$1,647	347.50	4	18,592	$1,607	$53	$1,661
250W (5 unit)	Obsolete	1535	$190.87	$191.28	0.2%	$191.28	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LAMP & LUMINAIRE																	
MV 100W Open Reflector	Obsolete	130	$87.38	$87.60	0.3%	$87.60	44	23,852	$2,045	$3,845	$5,890	347.50	44	23,852	$2,062	$3,854	$5,917
HPS 1000W High-Mast (6 unit)	Closed	6636	$1,014.94	$1,016.88	0.2%	$1,016.88	8	221,377	$18,983	$8,120	$27,103	347.50	8	221,377	$19,140	$8,135	$27,275
Incandescent																	
< 2500 lumen, Open Reflector	Obsolete	202	$74.80	$75.00	0.3%	$75.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
< 2500 lumen, Std Luminaire	Obsolete	202	$96.86	$97.08	0.2%	$97.08	1	842	$72	$97	$169	347.50	1	842	$73	$97	$170
4000 lumen, Open	Obsolete	327	$86.08	$86.28	0.2%	$86.28	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
4000 lumen, Enclosed	Obsolete	327	$99.92	$100.08	0.2%	$100.08	4	5,113	$438	$375	$813	347.50	4	5,113	$442	$375	$817
6000 lumen, Enclosed	Obsolete	448	$99.76	$99.96	0.2%	$99.96	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
10000 lumen, Enclosed	Obsolete	690	$151.38	$151.68	0.2%	$151.68	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LUMINAIRES																	
Aspen Grove 100	Standard		$103.70	$103.92	0.2%	$ 100.80	6,698		$0	$694,539	$694,539		6,698	-	$0	$696,013	$696,013
Aspen Grove 150	Standard		$81.67	$81.84	0.2%	$ 100.80	2,084		$0	$170,234	$170,234		2,084	-	$0	$170,589	$170,589
Aspen Grove 175	Standard		$81.67	$81.84	0.2%	$ 100.80	278		$0	$22,704	$22,704		278	-	$0	$22,752	$22,752
Aspen Grove 70	Standard		$103.70	$103.92	0.2%	$ 100.80	7,448		$0	$772,358	$772,358		7,448	-	$0	$773,996	$773,996
Buffalo Globe (5 unit), 250	Obsolete		$503.18	$504.12	0.2%	$504.12	-		$0	$0	$0		-	-	$0	$0	$0
Central Park 100	Standard		$126.46	$126.72	0.2%	$ 123.12	1,354		$0	$171,227	$171,227		1,354	-	$0	$171,579	$171,579
Central Park 175	Standard		$117.25	$117.48	0.2%	$ 123.12	864		$0	$101,294	$101,294		864	-	$0	$101,493	$101,493
Coach 100	Standard		$74.25	$74.40	0.2%	$ 73.44	1,299		$0	$96,463	$96,463		1,299	-	$0	$96,658	$96,658
Coach 150	Standard		$57.41	$57.48	0.1%	$ 73.44	179		$0	$10,276	$10,276		179	-	$0	$10,289	$10,289
Coach 175	Standard		$57.41	$57.48	0.1%	$ 73.44	20		$0	$1,148	$1,148		20	-	$0	$1,150	$1,150
Coach 70	Standard		$74.25	$74.40	0.2%	$ 73.44	1,897		$0	$140,852	$140,852		1,897	-	$0	$141,137	$141,137
Contemporary 70	Obsolete		$79.27	$79.44	0.2%	$ 77.64	192		$0	$15,220	$15,220		192	-	$0	$15,252	$15,252
Contemporary 100	Obsolete		$79.27	$79.44	0.2%	$ 77.64	163		$0	$12,934	$12,934		163	-	$0	$12,962	$12,962
Contemporary 150	Obsolete		$64.66	$64.80	0.2%	$ 77.64	24		$0	$1,552	$1,552		24	-	$0	$1,555	$1,555
Contemporary 175	Obsolete		$64.66	$64.80	0.2%	$ 77.64	24		$0	$1,552	$1,552		24	-	$0	$1,555	$1,555
Contemporary, 250	Obsolete		$80.00	$80.16	0.2%	$ 77.64	-		$0	$0	$0		-	-	$0	$0	$0
Contemporary, 400	Obsolete		$79.59	$79.80	0.3%	$ 77.64	-		$0	$0	$0		-	-	$0	$0	$0
Delaware Park 150	Standard		$199.34	$199.68	0.2%	$ 199.68	295		$0	$58,755	$58,755		295	-	$0	$58,856	$58,856
Delaware Park 175	Standard		$199.34	$199.68	0.2%	$ 199.68	251		$0	$49,935	$49,935		251	-	$0	$50,020	$50,020
Delaware Park 250	Standard		$246.07	$246.60	0.2%	$ 246.60	1,056		$0	$259,952	$259,952		1,056	-	$0	$260,512	$260,512
Delaware Park 400	Standard		$246.07	$246.60	0.2%	$ 246.60	850		$0	$209,036	$209,036		850	-	$0	$209,487	$209,487
Delaware Park Pedestrian 100	Standard		$169.49	$169.80	0.2%	$ 168.96	91		$0	$15,424	$15,424		91	-	$0	$15,452	$15,452
Delaware Park Pedestrian 175	Standard		$199.34	$199.68	0.2%	$ 168.96	13		$0	$2,591	$2,591		13	-	$0	$2,596	$2,596
Delaware Park Pedestrian 70	Standard		$166.64	$166.92	0.2%	$ 168.96	240		$0	$39,994	$39,994		240	-	$0	$40,061	$40,061
Edison 70	Standard		$85.26	$85.44	0.2%	$ 78.96	125		$0	$10,658	$10,658		125	-	$0	$10,680	$10,680

Case 17-E-0238
Appendix 2
Schedule 8.4a
Page 1 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Present T&D rate 0.08575 | Leap Yr =1, NonLeapYr =0 | **1** | 33.7% | LED Facility % **0.1%**
Proposed T&D rate 0.08646 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.4%**
0.83% increase

Description	Present Facility Class	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
Edison 100	Standard		$85.26	$85.44	0.2%	$ 78.96	1,254		$0	$106,952	$106,952		1,254	-	$0	$107,177	$107,177
Edison 150	Standard		$67.63	$67.80	0.3%	$ 78.96	808		$0	$54,611	$54,611		808	-	$0	$54,749	$54,749
Edgewater 100	Standard		$131.61	$131.88	0.2%	$ 134.64	756		$0	$99,519	$99,519		756	-	$0	$99,723	$99,723
Edgewater 150	Standard		$137.40	$137.64	0.2%	$ 134.64	531		$0	$72,948	$72,948		531	-	$0	$73,075	$73,075
Edgewater 175	Standard		$137.40	$137.64	0.2%	$ 134.64	138		$0	$19,007	$19,007		138	-	$0	$19,040	$19,040
Floodlight 250	Standard		$58.42	$58.56	0.2%	$ 60.48	281		$0	$16,401	$16,401		281	-	$0	$16,441	$16,441
Floodlight 400	Standard		$61.49	$61.56	0.1%	$ 60.48	498		$0	$30,591	$30,591		498	-	$0	$30,626	$30,626
Floodlight 1000	Obsolete		$61.49	$61.56	0.1%	$ 60.48	4		$0	$225	$225		4	-	$0	$226	$226
Franklin Square, 250	Closed		$128.89	$129.12	0.2%	$ 136.80	-		$0	$0	$0		-	-	$0	$0	$0
Franklin Square, 100	Closed		$136.52	$136.80	0.2%	$ 136.80	113		$0	$15,427	$15,427		113	-	$0	$15,458	$15,458
Franklin Square, 150	Closed		$136.52	$136.80	0.2%	$ 136.80	234		$0	$31,946	$31,946		234	-	$0	$32,011	$32,011
Franklin Square, 175	Closed		$136.52	$136.80	0.2%	$ 136.80	6		$0	$785	$785		6	-	$0	$787	$787
Globe, 150	Closed		$102.97	$103.20	0.2%	$ 103.20	-		$0	$0	$0		-	-	$0	$0	$0
Globe, 175	Closed		$78.99	$79.20	0.3%	$ 79.20	-		$0	$0	$0		-	-	$0	$0	$0
Little Falls - Post Top, 70	Closed		$126.47	$126.72	0.2%	$ 126.72	179		$0	$22,596	$22,596		179	-	$0	$22,641	$22,641
Little Falls - Teardrop, 70	Closed		$154.97	$155.28	0.2%	$ 155.28	79		$0	$12,243	$12,243		79	-	$0	$12,267	$12,267
Roadway 70	Standard		$53.65	$53.76	0.2%	$ 55.80	31,776		$0	$1,704,775	$1,704,775		31,776	-	$0	$1,708,271	$1,708,271
Roadway 100	Standard		$53.65	$53.76	0.2%	$ 55.80	65,157		$0	$3,495,649	$3,495,649		65,157	-	$0	$3,502,816	$3,502,816
Roadway 150	Standard		$54.81	$54.96	0.3%	$ 55.80	27,018		$0	$1,480,846	$1,480,846		27,018	-	$0	$1,484,898	$1,484,898
Roadway 175	Standard		$54.81	$54.96	0.3%	$ 55.80	1,076		$0	$58,966	$58,966		1,076	-	$0	$59,127	$59,127
Roadway 250	Standard		$63.01	$63.12	0.2%	$ 55.80	24,001		$0	$1,512,278	$1,512,278		24,001	-	$0	$1,514,918	$1,514,918
Roadway 400	Standard		$63.01	$63.12	0.2%	$ 55.80	**5,574**		$0	$351,194	$351,194		5,574	-	$0	$351,807	$351,807
Roadway, 1000	Closed		$126.21	$126.48	0.2%	$ 126.48	299		$0	$37,703	$37,703		299	-	$0	$37,784	$37,784
Setback 250	Standard		$110.53	$110.76	0.2%	$ 110.76	5		$0	$553	$553		5	-	$0	$554	$554
Setback 400	Standard		$104.35	$104.52	0.2%	$ 110.76	-		$0	$0	$0		-	-	$0	$0	$0
Shoebox 70	Standard		$60.52	$60.60	0.1%	$ 66.60	-		$0	$0	$0		-	-	$0	$0	$0
Shoebox 100	Standard		$64.10	$64.20	0.2%	$ 66.60	4		$0	$256	$256		4	-	$0	$257	$257
Shoebox 150	Standard		$49.53	$49.68	0.3%	$ 66.60	425		$0	$21,050	$21,050		425	-	$0	$21,114	$21,114
Shoebox 250	Standard		$86.21	$86.40	0.2%	$ 66.60	237		$0	$20,396	$20,396		237	-	$0	$20,441	$20,441
Shoebox 400	Standard		$86.21	$86.40	0.2%	$ 66.60	126		$0	$10,891	$10,891		126	-	$0	$10,915	$10,915
Shoebox, 1000	Closed		$151.05	$151.32	0.2%	$151.32	16		$0	$2,417	$2,417		16	-	$0	$2,421	$2,421
Traditional 100	Standard		$49.85	$49.92	0.1%	$ 49.32	5,508		$0	$274,578	$274,578		5,508	-	$0	$274,964	$274,964
Traditional 150	Standard		$39.43	$39.48	0.1%	$ 49.32	313		$0	$12,348	$12,348		313	-	$0	$12,364	$12,364
Traditional 175	Standard		$39.43	$39.48	0.1%	$ 49.32	152		$0	$6,003	$6,003		152	-	$0	$6,011	$6,011
Traditional 70	Standard		$49.85	$49.92	0.1%	$ 49.32	1,819		$0	$90,694	$90,694		1,819	-	$0	$90,821	$90,821
Underpass 100	Standard		$86.36	$86.52	0.2%	$ 85.08	810		$0	$69,923	$69,923		810	-	$0	$70,052	$70,052
Underpass 150	Standard		$87.24	$87.36	0.1%	$ 85.08	162		$0	$14,155	$14,155		162	-	$0	$14,174	$14,174
Underpass 175	Standard		$82.36	$82.56	0.2%	$ 85.08	-		$0	$0	$0		-	-	$0	$0	$0
Underpass 250	Closed		$60.91	$61.08	0.3%	$ 85.08	64		$0	$3,883	$3,883		64	-	$0	$3,894	$3,894
Underpass 70	Standard		$84.62	$84.84	0.3%	$ 85.08	-		$0	$0	$0		-	-	$0	$0	$0
Washington (Armory Square) 100	Closed		$133.75	$134.04	0.2%	$134.04	187		$0	$25,011	$25,011		187	-	$0	$25,065	$25,065
Williamsville 100	Standard		$99.20	$99.36	0.2%	$ 115.68	182		$0	$18,021	$18,021		182	-	$0	$18,050	$18,050
Williamsville 150	Standard		$119.09	$119.28	0.2%	$ 115.68	392		$0	$46,644	$46,644		392	-	$0	$46,718	$46,718
Williamsville 175	Standard		$119.09	$119.28	0.2%	$ 115.68	882		$0	$105,067	$105,067		882	-	$0	$105,235	$105,235
Williamsville 70	Standard		$99.20	$99.36	0.2%	$ 115.68	102		$0	$10,118	$10,118		102	-	$0	$10,135	$10,135
POLES/STANDARDS																	
Standard/Pole > 16 ft - OH Service																	
Steel, anchor base	Closed		$177.77	$178.08	0.2%	$ 178.68	1,097		$0	$194,940	$194,940		1,097	-	$0	$195,280	$195,280
aluminum, anchor base	Closed		$181.79	$182.16	0.2%	$ 178.68	206		$0	$37,524	$37,524		206	-	$0	$37,601	$37,601
Concrete , DE - Metropolitan	Standard		$270.38	$270.96	0.2%		30		$0	$8,202	$8,202		30	-	$0	$8,219	$8,219
WoodPole			$0.00	$0.00			739		$0	$0	$0		739	-	$0	$0	$0
Standard > 16 ft for UG or URD Service																	
Aluminum, anchor base	Standard		$252.75	$253.20	0.2%	$ 256.20	5,294		$0	$1,337,995	$1,337,995		5,294	-	$0	$1,340,378	$1,340,378
Aluminum, anchor base, heavy duty	Standard		$299.48	$300.12	0.2%	$ 256.20	54		$0	$16,147	$16,147		54	-	$0	$16,181	$16,181
Aluminum, anchor base, square	Standard		$511.22	$512.28	0.2%		546		$0	$279,254	$279,254		546	-	$0	$279,833	$279,833
Fiberglass, anchor base	Standard		$172.69	$173.04	0.2%		303		$0	$52,325	$52,325		303	-	$0	$52,431	$52,431
steel, anchor base (50 ft round)	Closed		$323.69	$324.36	0.2%		8		$0	$2,590	$2,590		8	-	$0	$2,595	$2,595
steel, anchor base (35 ft square)	Closed		$183.43	$183.84	0.2%		13		$0	$2,385	$2,385		13	-	$0	$2,390	$2,390
steel, anchor base	Closed		$260.34	$260.88	0.2%	$ 256.20	2,764		$0	$719,645	$719,645		2,764	-	$0	$721,138	$721,138
steel, anchor base, heavy duty	Closed		$308.47	$309.12	0.2%	$ 256.20	14		$0	$4,319	$4,319		14	-	$0	$4,328	$4,328

Case 17-E-0238
Appendix 2
Schedule 8.4a
Page 2 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Present T&D rate 0.08575 | Leap Yr =1, NonLeapYr =0 | 1 | 33.7% | LED Facility % **0.1%**
Proposed T&D rate 0.08646 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.4%**
0.83% increase

Description	Present Facility Class	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
steel, anchor base, traf signal, 1 arm	Obsolete		$478.48	$479.40	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
steel, AB, traf signal, >= 10 per unit	Obsolete		$1,016.55	$1,018.56	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, anchor base, Villager	Standard		$111.80	$111.96	0.1%	$ 111.96	883		$0	$98,738	$98,738		883	-	$0	$98,879	$98,879
Fiberglass, anchor base	Standard		$67.14	$67.32	0.3%		2,518		$0	$169,031	$169,031		2,518	-	$0	$169,484	$169,484
Fiberglass, direct embedded	Standard		$92.28	$92.52	0.3%		9,146		$0	$844,024	$844,024		9,146	-	$0	$846,219	$846,219
steel, anchor base	Closed		$111.80	$111.96	0.1%	$ 111.96	4,799		$0	$536,565	$536,565		4,799	-	$0	$537,333	$537,333
steel, direct embedded	Closed		$131.73	$132.00	0.2%		2,740		$0	$360,929	$360,929		2,740	-	$0	$361,669	$361,669
aluminum, anchor base (square)	Closed		$140.08	$140.40	0.2%		77		$0	$10,786	$10,786		77	-	$0	$10,811	$10,811
Decorative Standard																	
> 16 ft, for UG Service																	
Alum. AB Niagara Rdwy (no base)	Standard		$647.90	$649.20	0.2%		196		$0	$126,988	$126,988		196	-	$0	$127,243	$127,243
Decorative Standard																	
<= 16 ft, for UG or URD Service																	
Aluminum, AB, Armory Square	Standard		$335.46	$336.12	0.2%		820		$0	$274,937	$274,937		820	-	$0	$275,478	$275,478
Fiberglass, AB, Presidential	Standard		$156.49	$156.84	0.2%		2,424		$0	$379,293	$379,293		2,424	-	$0	$380,141	$380,141
Fiberglass, DE, Presidential	Standard		$229.96	$230.40	0.2%		109		$0	$25,066	$25,066		109	-	$0	$25,114	$25,114
aluminum, AB, Little Falls	Closed		$197.73	$198.12	0.2%		160		$0	$31,571	$31,571		160	-	$0	$31,633	$31,633
aluminum, AB, Winter Park	Closed		$310.66	$311.28	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
cast iron, AB, Armory Square	Closed		$372.86	$373.56	0.2%		50		$0	$18,643	$18,643		50	-	$0	$18,678	$18,678
Accessory																	
tenon mounting adaptor	Standard		$43.20	$43.32	0.3%		36		$0	$1,555	$1,555		36	-	$0	$1,560	$1,560
ARMS AND BRACKETS																	
Arm for Standard > 16ft																	
decorative, Niagara Pedestrian, single	Standard		$188.97	$189.36	0.2%		55		$0	$10,393	$10,393		55	-	$0	$10,415	$10,415
Arm for Standard <= 16ft																	
Dcr. crossarm, double, ornamental	Standard		$102.47	$102.72	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Dcr. crossarm, double, contemporary	Standard		$102.47	$102.72	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Dcr. crossarm, double, ornamental	Standard		$102.47	$102.72	0.2%		382		$0	$39,126	$39,126		382	-	$0	$39,222	$39,222
Dcr. (cane/scroll), alum., Little Falls	Closed		$110.53	$110.76	0.2%		72		$0	$7,958	$7,958		72	-	$0	$7,975	$7,975
Bracket for Wood Pole																	
decorative, Park Ave South, single	Standard		$105.37	$105.60	0.2%		322		$0	$33,894	$33,894		322	-	$0	$33,968	$33,968
décor., Metropolitan, all types/sizes	Standard		$70.30	$70.44	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
BASES																	
Decorative: Metropolitan Base	Standard		$151.41	$151.68	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Alum. Niagara Base	Standard		$288.32	$288.84	0.2%		58		$0	$16,723	$16,723		58	-	$0	$16,753	$16,753
FOUNDATIONS																	
Concrete - Cast-In-Place - for:																	
AB SD > 16 ft	Standard		$215.44	$215.88	0.2%		12,568		$0	$2,707,722	$2,707,722		12,568	-	$0	$2,713,252	$2,713,252
AB SD > 16 ft, heavy duty	Standard		$215.44	$215.88	0.2%		166		$0	$35,763	$35,763		166	-	$0	$35,836	$35,836
AB SD <= 16 ft	Standard		$215.44	$215.88	0.2%		6,536		$0	$1,408,062	$1,408,062		6,536	-	$0	$1,410,938	$1,410,938
AB SD > 16 ft, double size	Closed		$215.44	$215.88	0.2%		1		$0	$144	$144		1	-	$0	$144	$144
AB SD > 16 ft, extra heavy duty	Closed		$215.44	$215.88	0.2%		15		$0	$3,232	$3,232		15	-	$0	$3,238	$3,238
FD Conc Foundation	Standard		$215.44	$215.88	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Concrete - Pre-Cast																	
for anchor base standard > 16 ft	Standard		$215.44	$215.88	0.2%		453		$0	$97,648	$97,648		453	-	$0	$97,848	$97,848
for anchor base standard <= 16 ft	Standard		$215.44	$215.88	0.2%		581		$0	$125,099	$125,099		581	-	$0	$125,354	$125,354
Mechanical - Screw Type																	
for AB standards, all applications	Obsolete		$110.11	$110.28	0.2%		10,038		$0	$1,105,330	$1,105,330		10,038	-	$0	$1,107,037	$1,107,037

CIRCUITRY

Case 17-E-0238
Appendix 2
Schedule 8.4a
Page 3 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Present T&D rate 0.08575 | Leap Yr =1, NonLeapYr =0 | **1** | 33.7% | LED Facility % **0.1%**
Proposed T&D rate 0.08646 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.4%**
0.83% increase

Description	Present Facility Class	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
UG Service																	
cable and conduit	Standard		$118.26	$118.44	0.2%		19,310		$0	$2,283,591	$2,283,591		19,310	-	$0	$2,287,067	$2,287,067
cable only	Standard		$118.26	$118.44	0.2%		17,103		$0	$2,022,650	$2,022,650		17,103	-	$0	$2,025,729	$2,025,729
direct buried cable	Standard		$118.26	$118.44	0.2%		7,756		$0	$917,244	$917,244		7,756	-	$0	$918,640	$918,640
CR UG Circuit sect	Standard		$118.26	$118.44	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
URD Service																	
direct buried cable	Standard		$87.98	$88.20	0.3%		13,179		$0	$1,159,525	$1,159,525		13,179	-	$0	$1,162,425	$1,162,425
CR URD Circuit sect	Standard		$87.98	$88.20	0.3%		-		$0	$0	$0		-	-	$0	$0	$0
CONVENIENCE OUTLETS																	
On New Metal/Composite Stnd	Standard		$47.71	$47.76	0.1%	$ 53.52	1,707		$0	$81,429	$81,429		1,707	-	$0	$81,514	$81,514
On Existing Metal/Composite Stnd	Standard		$65.99	$66.12	0.2%	$ 53.52	361		$0	$23,850	$23,850		361	-	$0	$23,897	$23,897
On Any Wood Pole	Standard		$59.86	$60.00	0.2%	$ 53.52	809		$0	$48,442	$48,442		809	-	$0	$48,555	$48,555
Festoon Outlet - Old	Obsolete		$5.55	$5.52	-0.5%		60		$0	$333	$333		60	-	$0	$331	$331
SURV CAMERA ATTACH							3		$0	$0	$0		3	-	$0	$0	$0
L E D																	
LL Roadway LED-A	Standard	0	$0.00	$0.00	#DIV/0!	$0.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LL Roadway LED-B	Standard	25	$83.83	$83.88	0.1%	$83.88	16,086	1,676,937	$143,797	$1,348,466	$1,492,264	347.50	16,086	1,676,937	$144,988	$1,349,271	$1,494,259
LL Roadway LED-C	Standard	48	$88.52	$88.68	0.2%	$88.68	15,137	3,029,841	$259,809	$1,339,936	$1,599,745	347.50	15,137	3,029,841	$261,960	$1,342,358	$1,604,318
LL Roadway LED-D	Standard	96	$110.09	$110.28	0.2%	$110.28	5,963	2,387,018	$204,687	$656,442	$861,129	347.50	5,963	2,387,018	$206,382	$657,575	$863,957
LL Roadway LED-E	Standard	0	$0.00	$0.00	#DIV/0!	$0.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LL Roadway LED-F	Standard	210	$119.16	$119.28	0.1%	$119.28	1,454	1,273,618	$109,213	$173,306	$282,519	347.50	1,454	1,273,618	$110,117	$173,481	$283,598
				Annual S.C. 2 Non Price Exception Usage and Revenue				140,280,560	$12,029,058	$35,636,709	$47,665,767			140,280,560	$12,128,657	$35,708,616	$47,837,273
				* Annual S.C.2 Price Exception Usage and Revenue				71,610	$6,141	$650,742	$656,882			71,610	$6,191	$723,702	$729,893
							Annual S.C. 2 Total	**140,352,171**	**$12,035,199**	**$36,287,451**	**$48,322,650**			**140,352,171**	**$12,134,849**	**$36,432,317**	**$48,567,166**
									12,205,500	36,294,822							

New Facility additions (no billed quantities)

24 HR - LL Roadway LED-B	Standard	$ 176.21
24 HR - LL Roadway LED-C	Standard	$ 186.29
24 HR - LL Roadway LED-D	Standard	$ 231.67
24 HR - LL Roadway LED-F	Standard	$ 250.57

		'No PE Phase-Out to Retail	
TARGET REVENUE	$12,135,201	**$36,428,103**	$48,563,304
PROPOSED MINUS TARGET	-$352	$4,214	$3,862
		0.012%	
		Error due to Tariff Rate rounding	

Case 17-E-0238
Appendix 2
Schedule 8.4a
Page 4 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Present T&D rate 0.08575
Proposed T&D rate 0.08646

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
AMHERST CENTRAL SCHOOL DI	FD Concrete >16'	5,243,017,740		215.88	$62.11	$69.08	11.2%	4	-	$0	$248	$248		4	-	$0	$276	$276
AMHERST CENTRAL SCHOOL DI	CR UG Cable & Cndt	4,356,054,170		118.44	$97.57	$108.51	11.2%	4	-	$0	$390	$390		4	-	$0	$434	$434
								Subtotal:	-	$0	$639	$639		Subtotal:	-	$0	$710	$710
CHAUTAUQUA UTILITY DIST	LL Open IN 1000	8,975,335,963	103	73.83508	$73.55	$81.80	11.2%	62.2	26,702	$2,290	$4,572	$6,862	347.50	62	26,702	$2,309	$5,085	$7,394
CHAUTAUQUA UTILITY DIST	PL Wood OH	6,131,161,511		26.07066	$25.97	$28.88	11.2%	77.5	-	$0	$2,013	$2,013		78	-	$0	$2,238	$2,238
								Subtotal:	26,702	$2,290	$6,585	$8,875		Subtotal:	26,702	$2,309	$7,323	$9,632
CITY OF BUFFALO	FD Concrete =<16'	6,046,143,561		215.88	$30.49	$33.91	11.2%	17.0	-	$0	$518	$518		17	-	$0	$576	$576
CITY OF BUFFALO	FD Concrete =<16'	8,938,042,980		215.88	$24.89	$27.68	11.2%	25.3	-	$0	$631	$631		25	-	$0	$701	$701
CITY OF BUFFALO	FD Concrete =<16'	9,147,825,578		215.88	$12.38	$13.77	11.2%	14.8	-	$0	$183	$183		15	-	$0	$203	$203
CITY OF BUFFALO	FD Concrete >16'	220,850,408		215.88	$40.86	$45.44	11.2%	605.6	-	$0	$24,744	$24,744		606	-	$0	$27,518	$27,518
CITY OF BUFFALO	FD Concrete >16'	1,461,426,714		215.88	$51.77	$57.58	11.2%	123.8	-	$0	$6,407	$6,407		124	-	$0	$7,126	$7,126
CITY OF BUFFALO	FD Concrete >16'	1,789,300,004		215.88	$31.60	$35.14	11.2%	583.6	-	$0	$18,441	$18,441		584	-	$0	$20,507	$20,507
CITY OF BUFFALO	FD Concrete >16'	5,017,348,183		215.88	$45.78	$50.91	11.2%	1034.7	-	$0	$47,367	$47,367		1,035	-	$0	$52,675	$52,675
CITY OF BUFFALO	CR UG Cable & Cndt	2,127,072,470		118.44	$81.33	$90.45	11.2%	124.3	-	$0	$10,112	$10,112		124	-	$0	$11,246	$11,246
CITY OF BUFFALO	CR UG Cable & Cndt	4,159,199,691		118.44	$81.19	$90.30	11.2%	17.0	-	$0	$1,380	$1,380		17	-	$0	$1,535	$1,535
CITY OF BUFFALO	CR UG Cable & Cndt	4,571,348,813		118.44	$40.34	$44.86	11.2%	2274.7	-	$0	$91,760	$91,760		2,275	-	$0	$102,042	$102,042
CITY OF BUFFALO	CR UG Cable & Cndt	5,953,826,738		118.44	$49.63	$55.20	11.2%	575.2	-	$0	$28,546	$28,546		575	-	$0	$31,749	$31,749
CITY OF BUFFALO	CR UG Cable & Cndt	688,009,980		118.44	$31.12	$34.61	11.2%	15.5	-	$0	$482	$482		16	-	$0	$536	$536
CITY OF BUFFALO	CR UG Cable & Cndt	9,423,276,332		118.44	$86.19	$95.86	11.2%	1168.6	-	$0	$100,720	$100,720		1,169	-	$0	$112,020	$112,020
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt	9,750,049,700		118.44	$40.34	$44.86	11.2%	9.0	-	$0	$363	$363		9	-	$0	$404	$404
								Subtotal:	-	$0	$331,654	$331,654		Subtotal:	-	$0	$368,838	$368,838
CITY OF SCHENECTADY	LL Enclosed IN <2500	2,514,003,640	202	97.08	$38.55	$42.87	11.2%	24	20,217	$1,734	$925	$2,659	347.50	24	20,217	$1,748	$1,029	$2,777
CITY OF SCHENECTADY	SD Steel =<16' AB PT	9,057,251,892		111.96	$21.25	$23.63	11.2%	24	-	$0	$510	$510		24	-	$0	$567	$567
CITY OF SCHENECTADY	FD Concrete =<16'	119,391,034		215.88	$30.32	$33.72	11.2%	24	-	$0	$728	$728		24	-	$0	$809	$809
CITY OF SCHENECTADY	CR UG Cable & Cndt	923,523,835		118.44	$81.20	$90.31	11.2%	24	-	$0	$1,949	$1,949		24	-	$0	$2,167	$2,167
								Subtotal:	20,217	$1,734	$4,112	$5,845		Subtotal:	20,217	$1,748	$4,573	$6,321
CITY OF SYRACUSE DPW	SD Steel =<16' AB PT	3,793,634,146		111.96	$13.60	$15.13	11.3%	495.0	-	$0	$6,732	$6,732		495	-	$0	$7,489	$7,489
CITY OF SYRACUSE DPW	SD Steel >16' AB	7,967,450,484		260.88	$54.02	$60.08	11.2%	11.0	-	$0	$594	$594		11	-	$0	$661	$661
CITY OF SYRACUSE DPW	SD Alum Armory Sq AB	6,396,732,077		336.12	$13.60	$15.13	11.3%	1.0	-	$0	$14	$14		1	-	$0	$15	$15
CITY OF SYRACUSE DPW	FD Concrete =<16'	3,332,548,425		215.88	$19.46	$21.64	11.2%	503.0	-	$0	$9,788	$9,788		503	-	$0	$10,885	$10,885
CITY OF SYRACUSE DPW	FD Concrete =<16'	9,725,348,453		215.88	$19.96	$22.20	11.2%	51.0	-	$0	$1,018	$1,018		51	-	$0	$1,132	$1,132
CITY OF SYRACUSE DPW	FD Concrete >16'	2,434,895,558		215.88	$83.64	$93.02	11.2%	11.0	-	$0	$920	$920		11	-	$0	$1,023	$1,023
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	752,702,727		118.44	$55.94	$62.21	11.2%	510.3	-	$0	$28,543	$28,543		510	-	$0	$31,743	$31,743
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	8,032,131,921		118.44	$53.16	$59.12	11.2%	48.6	-	$0	$2,583	$2,583		49	-	$0	$2,872	$2,872
								Subtotal:	-	$0	$50,192	$50,192		Subtotal:	-	$0	$55,821	$55,821
CITY OF UTICA DPW	LL Enclosed IN 4000	805,054,350	327	100.08	$35.95	$39.98	11.2%	8	10,909	$935	$288	$1,223	347.50	8	10,909	$943	$320	$1,263
CITY OF UTICA DPW	SD Steel >16' AB	8,996,557,075		260.88	$34.50	$38.37	11.2%	8	-	$0	$276	$276		8	-	$0	$307	$307
CITY OF UTICA DPW	FD Concrete >16'	2,978,195,981		215.88	$53.41	$59.40	11.2%	8	-	$0	$427	$427		8	-	$0	$475	$475
CITY OF UTICA DPW	CR UG Cable & Cndt	8,212,261,222		118.44	$83.95	$93.37	11.2%	8	-	$0	$672	$672		8	-	$0	$747	$747
								Subtotal:	10,909	$935	$1,662	$2,598		Subtotal:	10,909	$943	$1,849	$2,792
MUSUEM OF SCIENCE & TEC	FD Concrete =<16'	9,761,380,833		215.88	$33.87	$37.67	11.2%	4	-	$0	$135	$135		4	-	$0	$151	$151
MUSUEM OF SCIENCE & TEC	CR UG Cable & Cndt	6,113,511,345		118.44	$129.79	$144.35	11.2%	4	-	$0	$519	$519		4	-	$0	$577	$577
								Subtotal:	-	$0	$655	$655		Subtotal:	-	$0	$728	$728
TOWN OF AMHERST	CR UG Cable & Cndt	1,198,891,209		118.44	$64.32	$71.53	11.2%	37	-	$0	$2,380	$2,380		37	-	$0	$2,647	$2,647
TOWN OF AMHERST	CR UG Cable & Cndt	40,907,619		118.44	$64.32	$71.53	11.2%	26	-	$0	$1,672	$1,672		26	-	$0	$1,860	$1,860
TOWN OF AMHERST	CR UG Cable & Cndt	8,598,118,892		118.44	$64.32	$71.53	11.2%	17	-	$0	$1,093	$1,093		17	-	$0	$1,216	$1,216
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,621,896		118.44	$64.32	$71.53	11.2%	239	-	$0	$15,372	$15,372		239	-	$0	$17,096	$17,096
TOWN OF AMHERST	FD Concrete =<16'	5,059,173,002		215.88	$27.32	$30.38	11.2%	4	-	$0	$109	$109		4	-	$0	$122	$122
TOWN OF AMHERST	CR UG Cable & Cndt	159,784,008		118.44	$72.75	$80.91	11.2%	4	-	$0	$291	$291		4	-	$0	$324	$324
TOWN OF AMHERST	CR UG Cable & Cndt	4,693,984,849		118.44	$64.32	$71.53	11.2%	28	-	$0	$1,801	$1,801		28	-	$0	$2,003	$2,003
TOWN OF AMHERST	CR UG Cable & Cndt	5,186,832,478		118.44	$64.32	$71.53	11.2%	74	-	$0	$4,760	$4,760		74	-	$0	$5,293	$5,293
TOWN OF AMHERST	CR UG Cable & Cndt	8,553,921,449		118.44	$64.32	$71.53	11.2%	21	-	$0	$1,351	$1,351		21	-	$0	$1,502	$1,502
TOWN OF AMHERST	CR UG Cable & Cndt	6,092,628,736		118.44	$64.32	$71.53	11.2%	16	-	$0	$1,029	$1,029		16	-	$0	$1,144	$1,144
TOWN OF AMHERST	CR UG Cable & Cndt	8,019,098,590		118.44	$64.32	$71.53	11.2%	8	-	$0	$515	$515		8	-	$0	$572	$572
TOWN OF AMHERST	CR UG Cable & Cndt	3,826,074,801		118.44	$64.32	$71.53	11.2%	6	-	$0	$386	$386		6	-	$0	$429	$429
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224,592		118.44	$64.32	$71.53	11.2%	20	-	$0	$1,286	$1,286		20	-	$0	$1,431	$1,431

Case 17-E-0238
Appendix 2
Schedule 8.5a
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Present T&D rate 0.08575
Proposed T&D rate 0.08646

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658		118.44	$64.32	$71.53	11.2%	17	-	$0	$1,093	$1,093		17	-	$0	$1,216	$1,216
TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941		118.44	$64.32	$71.53	11.2%	21	-	$0	$1,351	$1,351		21	-	$0	$1,502	$1,502
TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911,599		118.44	$64.32	$71.53	11.2%	14	-	$0	$900	$900		14	-	$0	$1,001	$1,001
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749		118.44	$64.32	$71.53	11.2%	29	-	$0	$1,865	$1,865		29	-	$0	$2,074	$2,074
TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157,341		118.44	$64.32	$71.53	11.2%	22	-	$0	$1,415	$1,415		22	-	$0	$1,574	$1,574
TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291,823		118.44	$64.32	$71.53	11.2%	2	-	$0	$129	$129		2	-	$0	$143	$143
TOWN OF AMHERST	FD Concrete >16'	3,598,117,791		215.88	$27.32	$30.38	11.2%	20	-	$0	$546	$546		20	-	$0	$608	$608
TOWN OF AMHERST	CR UG Cable & Cndt	959,770,108		118.44	$72.75	$80.91	11.2%	20	-	$0	$1,455	$1,455		20	-	$0	$1,618	$1,618
TOWN OF AMHERST	FD Concrete >16'	1,186,852,478		215.88	$27.32	$30.38	11.2%	13	-	$0	$355	$355		13	-	$0	$395	$395
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205		118.44	$72.75	$80.91	11.2%	13	-	$0	$946	$946		13	-	$0	$1,052	$1,052
TOWN OF AMHERST	FD Concrete >16'	5,321,916,719		215.88	$27.32	$30.38	11.2%	37	-	$0	$1,011	$1,011		37	-	$0	$1,124	$1,124
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464		118.44	$72.75	$80.91	11.2%	37	-	$0	$2,692	$2,692		37	-	$0	$2,994	$2,994
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947		118.44	$64.32	$71.53	11.2%	22	-	$0	$1,415	$1,415		22	-	$0	$1,574	$1,574
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419		118.44	$64.32	$71.53	11.2%	23	-	$0	$1,479	$1,479		23	-	$0	$1,645	$1,645
TOWN OF AMHERST	FD Concrete >16'	3,178,546,595		215.88	$27.32	$30.38	11.2%	10	-	$0	$273	$273		10	-	$0	$304	$304
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318		118.44	$72.75	$80.91	11.2%	10	-	$0	$728	$728		10	-	$0	$809	$809
TOWN OF AMHERST	FD Concrete >16'	5,423,709,947		215.88	$27.32	$30.38	11.2%	15	-	$0	$410	$410		15	-	$0	$456	$456
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458,974		118.44	$72.75	$80.91	11.2%	15	-	$0	$1,091	$1,091		15	-	$0	$1,214	$1,214
TOWN OF AMHERST	FD Concrete >16'	2,973,199,251		215.88	$27.32	$30.38	11.2%	5	-	$0	$137	$137		5	-	$0	$152	$152
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411,684		118.44	$72.75	$80.91	11.2%	5	-	$0	$364	$364		5	-	$0	$405	$405
TOWN OF AMHERST	FD Concrete >16'	8,626,110,861		215.88	$27.32	$30.38	11.2%	5	-	$0	$137	$137		5	-	$0	$152	$152
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905		118.44	$72.75	$80.91	11.2%	5	-	$0	$364	$364		5	-	$0	$405	$405
TOWN OF AMHERST	FD Concrete =<16'	9,002,641,036		215.88	$27.32	$30.38	11.2%	32	-	$0	$874	$874		32	-	$0	$972	$972
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700		118.44	$72.75	$80.91	11.2%	32	-	$0	$2,328	$2,328		32	-	$0	$2,589	$2,589
TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406,914		118.44	$64.32	$71.53	11.2%	50	-	$0	$3,216	$3,216		50	-	$0	$3,577	$3,577
TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221		118.44	$64.32	$71.53	11.2%	18	-	$0	$1,158	$1,158		18	-	$0	$1,288	$1,288
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974		118.44	$64.32	$71.53	11.2%	19	-	$0	$1,222	$1,222		19	-	$0	$1,359	$1,359
TOWN OF AMHERST	FD Concrete >16'	2,449,189,902		215.88	$27.32	$30.38	11.2%	17	-	$0	$464	$464		17	-	$0	$516	$516
TOWN OF AMHERST	CR UG Cable & Cndt	8,593,764,057		118.44	$72.75	$80.91	11.2%	17	-	$0	$1,237	$1,237		17	-	$0	$1,375	$1,375
TOWN OF AMHERST	CR UG Cable Only	5,055,312,853		118.44	$15.84	$17.62	11.2%	36	-	$0	$570	$570		36	-	$0	$634	$634
TOWN OF AMHERST	FD Concrete >16'	681,267,422		215.88	$27.32	$30.38	11.2%	10	-	$0	$273	$273		10	-	$0	$304	$304
TOWN OF AMHERST	CR UG Cable & Cndt	2,044,788,767		118.44	$72.75	$80.91	11.2%	10	-	$0	$728	$728		10	-	$0	$809	$809
TOWN OF AMHERST	CR UG Cable & Cndt	5,036,500,765		118.44	$64.32	$71.53	11.2%	13	-	$0	$836	$836		13	-	$0	$930	$930
TOWN OF AMHERST	FD Concrete =<16'	4,344,224,942		215.88	$27.32	$30.38	11.2%	11	-	$0	$301	$301		11	-	$0	$334	$334
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664		118.44	$72.75	$80.91	11.2%	11	-	$0	$800	$800		11	-	$0	$890	$890
TOWN OF AMHERST	FD Concrete >16'	9,864,202,652		215.88	$27.32	$30.38	11.2%	7	-	$0	$191	$191		7	-	$0	$213	$213
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395		118.44	$72.75	$80.91	11.2%	7	-	$0	$509	$509		7	-	$0	$566	$566
TOWN OF AMHERST	FD Concrete >16'	2,270,561,615		215.88	$27.32	$30.38	11.2%	9	-	$0	$246	$246		9	-	$0	$273	$273
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213,912		118.44	$72.75	$80.91	11.2%	9	-	$0	$655	$655		9	-	$0	$728	$728
TOWN OF AMHERST	FD Concrete >16'	7,381,334,533		215.88	$27.32	$30.38	11.2%	5	-	$0	$137	$137		5	-	$0	$152	$152
TOWN OF AMHERST	CR UG Cable & Cndt	1,791,555,525		118.44	$72.75	$80.91	11.2%	5	-	$0	$364	$364		5	-	$0	$405	$405
TOWN OF AMHERST	FD Concrete >16'	6,591,623,476		215.88	$27.32	$30.38	11.2%	8	-	$0	$219	$219		8	-	$0	$243	$243
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756		118.44	$72.75	$80.91	11.2%	8	-	$0	$582	$582		8	-	$0	$647	$647
TOWN OF AMHERST	FD Concrete >16' HD	9,519,818,398		215.88	$27.32	$30.38	11.2%	24	-	$0	$656	$656		24	-	$0	$729	$729
TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416,544		118.44	$72.75	$80.91	11.2%	24	-	$0	$1,746	$1,746		24	-	$0	$1,942	$1,942
TOWN OF AMHERST	FD Concrete >16'	7,972,790,067		215.88	$27.32	$30.38	11.2%	11	-	$0	$301	$301		11	-	$0	$334	$334
TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796		118.44	$72.75	$80.91	11.2%	11	-	$0	$800	$800		11	-	$0	$890	$890
TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413		215.88	$27.32	$30.38	11.2%	5	-	$0	$137	$137		5	-	$0	$152	$152
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922		118.44	$72.75	$80.91	11.2%	5	-	$0	$364	$364		5	-	$0	$405	$405
TOWN OF AMHERST	FD Concrete >16' HD	9,372,436,534		215.88	$27.32	$30.38	11.2%	21	-	$0	$574	$574		21	-	$0	$638	$638
TOWN OF AMHERST	CR UG Cable & Cndt	7,342,014,920		118.44	$72.75	$80.91	11.2%	21	-	$0	$1,528	$1,528		21	-	$0	$1,699	$1,699
TOWN OF AMHERST	FD Concrete >16'	7,006,920,700		215.88	$27.32	$30.38	11.2%	10	-	$0	$273	$273		10	-	$0	$304	$304
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282,972		118.44	$72.75	$80.91	11.2%	10	-	$0	$728	$728		10	-	$0	$809	$809
TOWN OF AMHERST	FD Concrete >16'	3,388,225,492		215.88	$27.32	$30.38	11.2%	15	-	$0	$410	$410		15	-	$0	$456	$456
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665,596		118.44	$72.75	$80.91	11.2%	15	-	$0	$1,091	$1,091		15	-	$0	$1,214	$1,214
TOWN OF AMHERST	FD Concrete >16'	7,841,872,428		215.88	$27.32	$30.38	11.2%	7	-	$0	$191	$191		7	-	$0	$213	$213
TOWN OF AMHERST	CR UG Cable & Cndt	3,961,986,629		118.44	$72.75	$80.91	11.2%	7	-	$0	$509	$509		7	-	$0	$566	$566
TOWN OF AMHERST	FD Concrete >16'	7,059,792,008		215.88	$27.32	$30.38	11.2%	14	-	$0	$382	$382		14	-	$0	$425	$425
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963,339		118.44	$72.75	$80.91	11.2%	14	-	$0	$1,019	$1,019		14	-	$0	$1,133	$1,133
TOWN OF AMHERST	FD Concrete >16' HD	7,282,929,339		215.88	$27.32	$30.38	11.2%	5	-	$0	$137	$137		5	-	$0	$152	$152
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415,574		118.44	$72.75	$80.91	11.2%	5	-	$0	$364	$364		5	-	$0	$405	$405
TOWN OF AMHERST	FD Concrete >16'	8,235,648,956		215.88	$27.32	$30.38	11.2%	6	-	$0	$164	$164		6	-	$0	$182	$182
TOWN OF AMHERST	CR UG Cable & Cndt	5,687,709,387		118.44	$72.75	$80.91	11.2%	6	-	$0	$437	$437		6	-	$0	$485	$485
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657		215.88	$27.32	$30.38	11.2%	8	-	$0	$219	$219		8	-	$0	$243	$243

Case 17-E-0238
Appendix 2
Schedule 8.5a
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Present T&D rate 0.08575
Proposed T&D rate 0.08646

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374		118.44	$72.75	$80.91	11.2%	8	-	$0	$582	$582		8	-	$0	$647	$647
TOWN OF AMHERST	FD Concrete =<16'	1,744,000,650		215.88	$27.32	$30.38	11.2%	35	-	$0	$956	$956		35	-	$0	$1,063	$1,063
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952		118.44	$72.75	$80.91	11.2%	35	-	$0	$2,546	$2,546		35	-	$0	$2,832	$2,832
TOWN OF AMHERST	FD Concrete >16'	5,972,606,736		215.88	$27.32	$30.38	11.2%	9	-	$0	$246	$246		9	-	$0	$273	$273
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549		118.44	$72.75	$80.91	11.2%	9	-	$0	$655	$655		9	-	$0	$728	$728
TOWN OF AMHERST	FD Concrete >16'	5,707,647,186		215.88	$27.32	$30.38	11.2%	3	-	$0	$82	$82		3	-	$0	$91	$91
TOWN OF AMHERST	CR UG Cable & Cndt	1,733,286,442		118.44	$72.75	$80.91	11.2%	3	-	$0	$218	$218		3	-	$0	$243	$243
TOWN OF AMHERST	FD Concrete >16'	5,299,394,404		215.88	$27.32	$30.38	11.2%	3	-	$0	$82	$82		3	-	$0	$91	$91
TOWN OF AMHERST	CR UG Cable & Cndt	451,736,027		118.44	$72.75	$80.91	11.2%	3	-	$0	$218	$218		3	-	$0	$243	$243
TOWN OF AMHERST	FD Concrete =<16'	5,185,829,268		215.88	$27.32	$30.38	11.2%	8	-	$0	$219	$219		8	-	$0	$243	$243
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207		118.44	$72.75	$80.91	11.2%	8	-	$0	$582	$582		8	-	$0	$647	$647
TOWN OF AMHERST	FD Concrete >16'	3,848,447,984		215.88	$27.32	$30.38	11.2%	6	-	$0	$164	$164		6	-	$0	$182	$182
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071		118.44	$72.75	$80.91	11.2%	6	-	$0	$437	$437		6	-	$0	$485	$485
TOWN OF AMHERST	FD Concrete =<16'	3,498,700,697		215.88	$27.32	$30.38	11.2%	14	-	$0	$382	$382		14	-	$0	$425	$425
TOWN OF AMHERST	CR UG Cable & Cndt	8,033,986,839		118.44	$72.75	$80.91	11.2%	14	-	$0	$1,019	$1,019		14	-	$0	$1,133	$1,133
TOWN OF AMHERST	FD Concrete >16'	2,544,525,945		215.88	$27.32	$30.38	11.2%	6	-	$0	$164	$164		6	-	$0	$182	$182
TOWN OF AMHERST	CR UG Cable & Cndt	9,330,884,808		118.44	$72.75	$80.91	11.2%	6	-	$0	$437	$437		6	-	$0	$485	$485
TOWN OF AMHERST	FD Concrete >16'	9,310,077,600		215.88	$27.32	$30.38	11.2%	13	-	$0	$355	$355		13	-	$0	$395	$395
TOWN OF AMHERST	CR UG Cable & Cndt	1,411,177,711		118.44	$72.75	$80.91	11.2%	13	-	$0	$946	$946		13	-	$0	$1,052	$1,052
TOWN OF AMHERST	FD Concrete >16'	128,925,989		215.88	$27.32	$30.38	11.2%	12	-	$0	$328	$328		12	-	$0	$365	$365
TOWN OF AMHERST	CR UG Cable & Cndt	3,924,127,941		118.44	$72.75	$80.91	11.2%	12	-	$0	$873	$873		12	-	$0	$971	$971
								Subtotal:	-	$0	$92,627	$92,627		Subtotal:	-	$0	$103,011	$103,011
TOWN OF QUEENSBURY	SD Steel =<16' AB PT	8,546,322,273		111.96	$28.21	$31.37	11.2%	26	-	$0	$733	$733		26	-	$0	$816	$816
TOWN OF QUEENSBURY	FD Concrete =<16'	7,441,083,920		215.88	$40.36	$44.89	11.2%	26	-	$0	$1,049	$1,049		26	-	$0	$1,167	$1,167
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482		118.44	$107.71	$119.79	11.2%	26	-	$0	$2,800	$2,800		26	-	$0	$3,115	$3,115
								Subtotal:	-	$0	$4,583	$4,583		Subtotal:	-	$0	$5,097	$5,097
TOWN OF TONAWANDA	CR UG Cable & Cndt	1,344,984,259		118.44	$69.57	$77.37	11.2%	249	-	$0	$17,288	$17,288		249	-	$0	$19,226	$19,226
TOWN OF TONAWANDA	CR UG Cable & Cndt	7,484,500,155		118.44	$68.60	$76.29	11.2%	905	-	$0	$62,100	$62,100		905	-	$0	$69,062	$69,062
TOWN OF TONAWANDA	FD Concrete =<16'	7,461,048,530		215.88	$25.76	$28.65	11.2%	907	-	$0	$23,362	$23,362		907	-	$0	$25,983	$25,983
TOWN OF TONAWANDA	CR EF Cbl & Cndt/ft	9,165,906,069		0.100388	$0.10	$0.11	10.0%	149	-	$0	$15	$15		149	-	$0	$16	$16
TOWN OF TONAWANDA	FD Concrete >16'	2,916,555,365		215.88	$25.24	$28.07	11.2%	1	-	$0	$19	$19		1	-	$0	$21	$21
								Subtotal:	-	$0	$102,765	$102,765		Subtotal:	-	$0	$114,288	$114,288
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524		118.44	$43.00	$47.82	11.2%	1048	-	$0	$45,071	$45,071		1,048	-	$0	$50,123	$50,123
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850	103	81.37419	$81.06	$90.15	11.2%	30	12,922	$1,108	$2,439	$3,547	347.50	30	12,922	$1,117	$2,712	$3,829
VILLAGE OF KINDERHOOK	LL Open IN 1000	6,254,715,057	103	28.95179	$28.84	$32.07	11.2%	2	860	$74	$58	$131	347.50	2	860	$74	$64	$138
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445,634		118.44	$60.71	$67.52	11.2%	2	-	$0	$121	$121		2	-	$0	$135	$135
								Subtotal:	13,782	$1,182	$2,618	$3,799		Subtotal:	13,782	$1,192	$2,911	$4,103
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706		118.44	$73.76	$82.03	11.2%	103	-	$0	$7,579	$7,579		103	-	$0	$8,429	$8,429
							*** Annual Total From Above**		**71,610**	**$6,141**	**$650,742**	**$656,882**			**71,610**	**$6,191**	**$723,702**	**$729,893**
																Increase	**$72,960**	

Case 17-E-0238
Appendix 2
Schedule 8.5a
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Present T&D rate 0.05906
Proposed T&D rate 0.05935
0.49% increase

Increase 0.5%

Description	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
Non-contract S.C. 3 Accounts																	
(Customer owned & maintained)	EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	1,461,537	648,922	$38,325	$0	$38,325			648,922	$38,514	$0	$38,514
							1,467,763	559,218	$33,027	$0	$33,027			559,218	$33,190	$0	$33,190
							1,467,763	531,330	$31,380	$0	$31,380			531,330	$31,534	$0	$31,534
							1,467,763	447,668	$26,439	$0	$26,439			447,668	$26,569	$0	$26,569
							1,467,634	403,599	$23,837	$0	$23,837			403,599	$23,954	$0	$23,954
							1,467,634	361,038	$21,323	$0	$21,323			361,038	$21,428	$0	$21,428
							1,465,491	386,890	$22,850	$0	$22,850			386,890	$22,962	$0	$22,962
							1,469,509	442,322	$26,124	$0	$26,124			442,322	$26,252	$0	$26,252
							1,474,269	492,406	$29,081	$0	$29,081			492,406	$29,224	$0	$29,224
							1,475,419	579,840	$34,245	$0	$34,245			579,840	$34,413	$0	$34,413
							1,475,669	621,257	$36,691	$0	$36,691			621,257	$36,872	$0	$36,872
							1,475,744	674,415	$39,831	$0	$39,831			674,415	$40,027	$0	$40,027
Contract S.C.3 Account																	
(S.C. 3 T&D rate per contract. No facility charge unless a Company-procured new facility - then, S.C. 2 price)																	
LAMPS																	
High Pressure Sodium																	
70W	LP HS 70	9999999990	86	$0.00	$0.00	0.00%	4	1,440	$85	$0	$85	347.50	4	1,440	$85	$0	$85
100W	LP HS 100	9999999991	118	$0.00	$0.00	0.00%	64	31,488	$1,860	$0	$1,860	347.50	64	31,488	$1,869	$0	$1,869
150W	LP HS 150	9999999992	173	$0.00	$0.00	0.00%	731	527,352	$31,145	$0	$31,145	347.50	731	527,352	$31,298	$0	$31,298
250W	LP HS 250	9999999993	304	$0.00	$0.00	0.00%	1756	2,226,048	$131,470	$0	$131,470	347.50	1,756	2,226,048	$132,116	$0	$132,116
400W	LP HS 400	9999999981	470	$0.00	$0.00	0.00%	21	41,160	$2,431	$0	$2,431	347.50	21	41,160	$2,443	$0	$2,443
100W	LP HS 100	0	118	$7.07	$8.04	13.72%	25	12,300	$726	$177	$903	347.50	25	12,300	$730	$201	$931
Metal Halide																	
175W	LP MH 175	0	207	$53.17	$56.40	6.07%	2	1,728	$102	$106	$208	347.50	2	1,728	$103	$113	$215
400W	LP MH 400	8139419394	451	$0.00	$0.00	0.00%	11	20,688	$1,222	$0	$1,222	347.50	11	20,688	$1,228	$0	$1,228
Mercury Vapor																	
175W	LP MV 175	9999999980	211	$0.00	$0.00	0.00%	24	21,336	$1,260	$0	$1,260	347.50	24	21,336	$1,266	$0	$1,266
LUMINAIRES																	
Arch. (style unknown) 150/175	LM Arch 150/175	9999999975		$0.00	$0.00	0.00%	14		$0	$0	$0		14		$0	$0	$0
Arch. (style unknown) 70/100	LM Arch 70/100	9999999976		$0.00	$0.00	0.00%	19		$0	$0	$0		19		$0	$0	$0
Edgewater 150	LM Edgewater 150	9999999982		$0.00	$0.00	0.00%	730		$0	$0	$0		730		$0	$0	$0
Little Falls - Teardrop, 70	LM Little Fall TD 70	9999999999		$0.00	$0.00	0.00%	6		$0	$0	$0		6		$0	$0	$0
Roadway 70	LM Roadway 70	9999999979		$0.00	$0.00	0.00%	4		$0	$0	$0		4		$0	$0	$0
Roadway 150	LM Roadway 150	9999999978		$0.00	$0.00	0.00%	2		$0	$0	$0		2		$0	$0	$0
Roadway 250	LM Roadway 250	9999999977		$0.00	$0.00	0.00%	1763		$0	$0	$0		1,763		$0	$0	$0
Roadway 400	LM Roadway 400	8353362633		$0.00	$0.00	0.00%	11		$0	$0	$0		11		$0	$0	$0
LM Aspen Grove 100	LM Aspen Grove 100	0		$97.90	$103.92	6.15%	25		$0	$2,448	$2,448		25		$0	$2,598	$2,598
	SD Alum Armory Sq AB	9043788437		$0.00	$0.00	0.00%	1		$0	$0	$0		1		$0	$0	$0
	LM Roadway 175	9999999969		$0.00	$0.00	0.00%	2		$0	$0	$0		2		$0	$0	$0
	LM Roadway 400	9999999970		$0.00	$0.00	0.00%	18		$0	$0	$0		18		$0	$0	$0
	LM Aspen Grove 100	9999999971		$0.00	$0.00	0.00%	28		$0	$0	$0		28		$0	$0	$0
	LM Traditional 100	9999999972		$0.00	$0.00	0.00%	20		$0	$0	$0		20		$0	$0	$0
	LM Contemporary 175	9999999973		$0.00	$0.00	0.00%	15		$0	$0	$0		15		$0	$0	$0
POLES/STANDARDS																	
Wood Pole, 1 Span	PL Wood OH =< 1SP	9999999983		$0.00	$0.00	0.00%	3		$0	$0	$0		3		$0	$0	$0
Standard > 16 ft for UG or URD Service																	
Aluminum, anchor base	SD Alum >16' AB	9999999986		$0.00	$0.00	0.00%	223		$0	$0	$0		223		$0	$0	$0
steel, anchor base	SD Steel >16' AB	9999999984		$0.00	$0.00	0.00%	31		$0	$0	$0		31		$0	$0	$0

Case 17-E-0238
Appendix 2
Schedule 8.6a
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Present T&D rate 0.05906
Proposed T&D rate 0.05935
0.49% increase

Increase 0.5%

Description	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, anchor base, Villager	SD Alum Villager AB	9999999985		$0.00	$0.00	0.00%	27		$0	$0	$0		27		$0	$0	$0
Fiberglass, anchor base	SD Fbgl =<16' AB PT	9999999987		$0.00	$0.00	0.00%	3		$0	$0	$0		3		$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT	9999999988		$0.00	$0.00	0.00%	50		$0	$0	$0		50		$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT	0		$87.12	$92.52	6.20%	25		$0	$2,178	$2,178		25		$0	$2,313	$2,313
Decorative Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	9999999989		$0.00	$0.00	0.00%	728		$0	$0	$0		728		$0	$0	$0
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	0		$316.70	$336.12	6.13%	1		$0	$317	$317		1		$0	$336	$336
FOUNDATIONS																	
Concrete - Cast-In-Place																	
for AB standard > 16 ft	FD Concrete >16'	9999999995		$0.00	$0.00	0.00%	253		$0	$0	$0		253		$0	$0	$0
for AB standard > 16 ft	FD Concrete >16'	0		$203.39	$215.88	6.14%	2		$0	$407	$407		2		$0	$432	$432
for AB standard <= 16 ft	FD Concrete =<16'	9999999994		$0.00	$0.00	0.00%	760		$0	$0	$0		760		$0	$0	$0
for AB standard <= 16 ft	FD Concrete =<16'	0		$194.89	$215.88	10.77%	1		$0	$195	$195		1		$0	$216	$216
CIRCUITRY																	
UG Service																	
first 50 ft or less per pole																	
cable and conduit	CR UG Cable & Cndt	9999999996		$0.00	$0.00	0.00%	992		$0	$0	$0		992		$0	$0	$0
cable and conduit	CR UG Cable & Cndt	0		$85.62	$118.44	38.33%	2		$0	$171	$171		2		$0	$237	$237
cable only	CR UG Cable Only	9999999997		$0.00	$0.00	0.00%	15		$0	$0	$0		15		$0	$0	$0
URD Service																	
first 10 ft or less per pole																	
direct buried cable	CR UG Res DB Cable	9999999998		$0.00	$0.00	0.00%	57		$0	$0	$0		57		$0	$0	$0
direct buried cable	CR UG Res DB Cable	0		$54.91	$88.20	60.63%	25		$0	$1,373	$1,373		25		$0	$2,205	$2,205
					Annual Total			**9,032,444**	**$533,456**	**$7,371**	**$540,827**			**9,032,444**	**$536,076**	**$8,650**	**$544,726**
					Watertown			**2,883,540**	**$170,302**	**$7,371**	**$177,673**			**2,883,540**	**$171,138**	**$8,650**	**$179,789**
					EO			**6,148,904**	**$363,154**	**$0**	**$363,154**			**6,148,904**	**$364,937**	**$0**	**$364,937**
									$380,644								
														TARGET	$536,113	$7,408	
														PROPOSED MINUS TARGET	-$37	$1,243	

Case 17-E-0238
Appendix 2
Schedule 8.6a
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

Present T&D rate 0.01075
Proposed T&D rate 0.01080
0.47% increase

Increase 0.5%

Description	Billcode Description	Present Annual Basic Serv. Charge (a)	Proposed Annual Basic Serv. Charge (b)	Percent Change Basic Serv. Charge (c)	2016 Avg Units Billed (d)	Present Annual Usage (e)	Present Annual T&D Revenue (f)	Present Annual Location Charge Revenue (g)	Present Annual Total Revenue (h)	FY'18 Avg Fcst Units (i)	Proposed Annual Usage (j)	Proposed Annual T&D Revenue (k)	Proposed Annual Location Charge Revenue (l)	Proposed Annual Total Revenue (m)
Traffic Control Location Charge	TC Location Charge	$299.52	$300.96	0.50%	2809.1	n/a	n/a	$841,377	$841,377	2,809	n/a	n/a	$845,422	$845,422
Traffic Control 30 Day kWh	TC 30 Day kWh	n/a	n/a	n/a	n/a	8,970,329	$96,431	n/a	$96,431	n/a	8,970,329	$96,880	n/a	$96,880
				Annual Total		**8,970,329**	**$96,431**	**$841,377**	**$937,808**		**8,970,329**	**$96,880**	**$845,422**	**$942,301**
						266.110801 kWh per unit per mo								
											TARGET	$96,911	$845,567	$942,478
											PROPOSED MINUS TARGET	-$32	-$145	-$177

Case 17-E-0238
Appendix 2
Schedule 8.7a
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Present T&D rate 0.08575
Proposed T&D rate 0.08646
0.83% increase

Increase 0.4%

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
1171629003	**CENTER FOR DISABILITY SRVCS**																
01 - NMP0000003	150W	Company	173	$7.29	$7.32	0.4%	4	2,880	$247	$29	$276	347.50	4	2,880	$249	$29	$278
01 - NMP000051P	Roadway 150	Company		$50.84	$51.00	0.3%	4		$0	$203	$203		4		$0	$204	$204
01 - NMP000084P	Additional Wood Pole	Company		$0.00	$0.00	n/a	2		$0	$0	$0		2		$0	$0	$0
2433882101	**CITY OF SYRACUSE DPW**																
01 - NMP0000002	100W	Company	118	$7.07	$7.08	0.1%	44	21,648	$1,856	$311	$2,167	347.50	44	21,648	$1,872	$312	$2,183
01 - NMP0000013	175W	Company	211	$5.85	$5.88	0.5%	82	72,444	$6,212	$482	$6,694	347.50	82	72,444	$6,264	$484	$6,748
01 - NMP000105P	for anchor base standard <= 16 ft	Company		$194.89	$195.72	0.4%	3		$0	$585	$585		3		$0	$587	$587
01 - NMP000109P	cable and conduit	Company		$85.62	$86.04	0.5%	126		$0	$10,817	$10,817		126		$0	$10,870	$10,870
01 - NMP000117P	cable and conduit, per foot	Company		$1.71	$1.68	-1.8%	1243		$0	$2,126	$2,126		1,243		$0	$2,089	$2,089
01 - NMP000120P	Festoon Outlet - Old	Company		$47.67	$47.88	0.4%	42		$0	$2,002	$2,002		42		$0	$2,011	$2,011
01 - NMP000219P	Williamsville 70	Company		$99.12	$99.60	0.5%	12		$0	$1,189	$1,189		12		$0	$1,195	$1,195
01 - NMP000270P	aluminum, anchor base, Little Falls	Company		$197.58	$198.48	0.5%	43		$0	$8,496	$8,496		43		$0	$8,535	$8,535
01 - NMP000325P	Williamsville 100	Company		$99.12	$99.60	0.5%	1		$0	$99	$99		1		$0	$100	$100
01 - NMP000337P	LM Franklin Sq 100	Company		$128.89	$129.48	0.5%	31		$0	$3,996	$3,996		31		$0	$4,014	$4,014
01 - NMP000339P	LM Franklin Sq 175	Company		$128.89	$129.48	0.5%	82		$0	$10,612	$10,612		82		$0	$10,661	$10,661
01 - NMP000105P	for anchor base standard <= 16 ft	Company		$68.55	$68.88	0.5%	123		$0	$8,432	$8,432		123		$0	$8,472	$8,472
8193879102	**TOWN OF HAMLIN**																
03 - NMP0000002	100W	customer	118	$7.07	$7.08	0.1%	6	2,952	$253	$42	$296	347.50	6	2,952	$255	$42	$298
03 - NMP000056P	Arch. (style unknown) 70/100	customer		$29.74	$29.88	0.5%	6		$0	$178	$178		6		$0	$179	$179
03 - NMP000097P	Fiberglass, anchor base	customer		$25.20	$25.32	0.5%	6		$0	$151	$151		6		$0	$152	$152
03 - NMP000107P	for AB standards, all applications	customer		$41.65	$41.88	0.6%	6		$0	$250	$250		6		$0	$251	$251
03 - NMP000116P	direct buried cable	customer		$5.23	$5.28	1.0%	6		$0	$31	$31		6		$0	$32	$32
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.49	$0.48	-2.0%	284		$0	$139	$139		284		$0	$136	$136
1913882104	**TOWN OF HAMLIN HILLCREST SUBDIV SC 5**																
03 - NMP0000002	100W	customer	118	$7.07	$7.08	0.1%	13	6,396	$548	$92	$640	347.50	13	6,396	$553	$92	$645
03 - NMP0000003	150W	customer	173	$7.29	$7.32	0.4%	3	2,160	$185	$22	$207	347.50	3	2,160	$187	$22	$209
03 - NMP000056P	Arch. (style unknown) 70/100	customer		$29.74	$29.88	0.5%	10		$0	$297	$297		10		$0	$299	$299
03 - NMP000057P	LM Arch 150/175	customer		$22.54	$22.68	0.6%	3		$0	$68	$68		3		$0	$68	$68
03 - NMP000097P	Fiberglass, anchor base	customer		$25.20	$25.32	0.5%	16		$0	$403	$403		16		$0	$405	$405
03 - NMP000105P	for anchor base standard <= 16 ft	customer		$73.97	$74.28	0.4%	12		$0	$888	$888		12		$0	$891	$891
03 - NMP000107P	for AB standards, all applications	customer		$41.65	$41.88	0.6%	4		$0	$167	$167		4		$0	$168	$168
03 - NMP000116P	direct buried cable	customer		$5.23	$5.28	1.0%	16		$0	$84	$84		16		$0	$84	$84
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.49	$0.48	-2.0%	344		$0	$169	$169		344		$0	$165	$165
03 - NMP000313P	Edison 100	customer		$29.74	$29.88	0.5%	3		$0	$89	$89		3		$0	$90	$90
4973879108	**VILLAGE OF BROCKPORT**																
03 - NMP0000001	70W	customer	86	$7.03	$7.08	0.7%	15	5,376	$461	$105	$566	347.50	15	5,376	$465	$106	$571
03 - NMP0000002	100W	customer	118	$7.07	$7.08	0.1%	24	11,808	$1,013	$170	$1,182	347.50	24	11,808	$1,021	$170	$1,191
03 - NMP0000003	150W	customer	173	$7.29	$7.32	0.4%	15	10,824	$928	$109	$1,038	347.50	15	10,824	$936	$110	$1,046
03 - NMP0000004	250W	customer	304	$7.38	$7.44	0.8%	4	5,076	$435	$30	$465	347.50	4	5,076	$439	$30	$469
03 - NMP000032P	Floodlight 250	customer		$22.01	$22.08	0.3%	4		$0	$88	$88		4		$0	$88	$88
03 - NMP000049P	Roadway 70	customer		$18.86	$18.96	0.5%	10		$0	$189	$189		10		$0	$190	$190
03 - NMP000097P	Fiberglass, anchor base	customer		$25.20	$25.32	0.5%	44		$0	$1,109	$1,109		44		$0	$1,114	$1,114

Case 17-E-0238
Appendix 2
Schedule 8.8a
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Present T&D rate 0.08575
Proposed T&D rate 0.08646
0.83% increase

Increase 0.4%

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
03 - NMP000099P	Fiberglass, anchor base	customer		$64.82	$65.04	0.3%	10		$0	$648	$648		10		$0	$650	$650
03 - NMP000107P	for AB standards, all applications	customer		$41.65	$41.88	0.6%	44		$0	$1,833	$1,833		44		$0	$1,843	$1,843
03 - NMP000110P	cable only	customer		$7.49	$7.56	0.9%	15		$0	$112	$112		15		$0	$113	$113
03 - NMP000111P	direct buried cable	customer		$26.09	$26.16	0.3%	3		$0	$78	$78		3		$0	$78	$78
03 - NMP000116P	direct buried cable	customer		$5.23	$5.28	1.0%	36		$0	$188	$188		36		$0	$190	$190
03 - NMP000118P	CR EF Cable Only/ft	customer		$0.13	$0.12	-7.7%	425		$0	$55	$55		425		$0	$51	$51
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.49	$0.48	-2.0%	1284		$0	$629	$629		1,284		$0	$616	$616
03 - NMP000309P	Traditional 70	customer		$29.74	$29.88	0.5%	5		$0	$149	$149		5		$0	$149	$149
03 - NMP000315P	Traditional 100	customer		$29.74	$29.88	0.5%	24		$0	$714	$714		24		$0	$717	$717
03 - NMP000321P	Traditional 150	customer		$24.32	$24.48	0.7%	15		$0	$365	$365		15		$0	$367	$367
					Annual Total			**141,564**	**$ 12,139**	**$ 59,020**	**$ 71,159**			**141,564**	**$12,240**	**$59,222**	**$71,462**

TARGET	$12,240	$59,273
PROPOSED MINUS TARGET	$0	-$51

Case 17-E-0238
Appendix 2
Schedule 8.8a
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

Present T&D rate 0.05906
Proposed T&D rate 0.05935
0.49% increase

- - - - C L O S E D - - - -

Increase 0.5%

Description	Present Facility Class	Billed Watts per Lamp (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
LAMPS																
High Pressure Sodium																
70W	Closed	86	$7.91	$7.92	0.1%	4	1,380	$82	$30	$112	347.50	4	1,380	$82	$30	$112
100W	Closed	118	$9.07	$9.12	0.6%	194	95,460	$5,638	$1,760	$7,397	347.50	194	95,460	$5,666	$1,769	$7,435
150W	Closed	173	$9.54	$9.60	0.6%	58	41,844	$2,471	$553	$3,025	347.50	58	41,844	$2,483	$557	$3,040
250W	Closed	304	$9.28	$9.36	0.9%	65	82,404	$4,867	$603	$5,470	347.50	65	82,404	$4,891	$608	$5,499
400W	Closed	470	$8.13	$8.16	0.4%	17	33,324	$1,968	$138	$2,106	347.50	17	33,324	$1,978	$139	$2,116
Metal Halide																
250W	Closed	295	$53.17	$53.40	0.4%	11	13,536	$799	$585	$1,384	347.50	11	13,536	$803	$587	$1,391
Mercury Vapor																
100W	Closed	130	$6.84	$6.84	0.0%	52	28,188	$1,665	$356	$2,020	347.50	52	28,188	$1,673	$356	$2,029
Continuous Operation																
Additional Charge																
MV 100W	Closed	130	$14.37	$7.56	-47%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 70	Closed	86	$16.62	$8.76	-47%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 100	Closed	118	$19.05	$10.08	-47%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 150	Closed	173	$20.04	$10.56	-47%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
				Annual Total		**401**	**296,136**	**$17,490**	**$4,025**	**$21,515**			**296,136**	**$17,576**	**$4,047**	**$21,622**
									$11,396							
													TARGET	$17,577	$4,045	
													PROPOSED MINUS TARGET	-$1	$1	

Case 17-E-0238
Appendix 2
Schedule 8.9a
Page 1 of 1

LED Conversion Project Impacts

Impact on Sales Forecast

1 LED Conversion On =1

Description	Billcode	Billed Watts per Lamp (a)	Average Monthly Burn Hours (b)	2016 Avg Units Billed (c)	Present Annual Usage (d)	Monthly Non Leap Yr Burns (e)	FY'18 Avg Fcst Units (f)	Proposed Annual Usage (g)		LED Conversion Reductions: Total Cumul Units Billed Impacts 2018-2019 (h)	Total Cumul Units Billed Impacts 2019-2020 (i)	Total Cumul Units Billed Impacts 2020-2021 (j)	Proposed Annual Usage 2018-2019 (k)	Proposed Annual Usage 2019-2020 (l)	Proposed Annual Usage 2020-2021 (m)	# Roadway Units as a % of Total Units (n)
LAMPS								Cumulative annual data:		**10.0%** = annual rate (50% of the Conv Project annual max allowable conversion of 20%)						
High Pressure Sodium								Conversion Request (10 %/yr)		-20%	-30%	-40%				
70W	NMP0000001	86	347.50	51,765	18,564,054	347.50	51,765	18,564,054		(7,945)	(11,917)	(15,890)	15,714,890	14,290,308	12,865,726	76.7%
24 HR - 70W	NMP0000018	86	730.00	-	-	730.00	-	-		-	-	-	-	-	-	76.7%
100W	NMP0000002	118	347.50	99,001	48,714,555	347.50	99,001	48,714,555		(16,165)	(24,248)	(32,330)	40,760,293	36,783,162	32,806,032	81.6%
24 HR - 100W	NMP0000148	118	730.00	45	46,516	730.00	45	46,516		(7)	(11)	(15)	38,920	35,123	31,325	81.6%
150W	NMP0000003	173	347.50	39,195	28,275,905	347.50	39,195	28,275,905		(6,729)	(10,093)	(13,457)	23,421,848	20,994,819	18,567,790	85.8%
24 HR - 150W	NMP0000149	173	730.00	126	190,950	730.00	126	190,950		(22)	(32)	(43)	158,170	141,780	125,390	85.8%
250W	NMP0000004	304	347.50	31,174	39,519,079	347.50	31,174	39,519,079		(5,899)	(8,848)	(11,797)	32,041,541	28,302,771	24,564,002	94.6%
24 HR - 250W	NMP0000150	304	730.00	109	290,271	730.00	109	290,271		(21)	(31)	(41)	235,348	207,887	180,425	94.6%
400W	NMP0000005	470	347.50	7,351	14,408,042	347.50	7,351	14,408,042		(1,199)	(1,798)	(2,397)	12,059,009	10,884,492	9,709,976	81.5%
24 HR - 400W	NMP0000151	470	730.00	-	-	730.00	-	-		-	-	-	-	-	-	81.5%
1000W	NMP0000006	1106	347.50	384	1,771,016	347.50	384	1,771,016		(71)	(107)	(143)	1,442,177	1,277,758	1,113,339	92.8%
Metal Halide																
175W	NMP0000007	207	347.50	2,487	2,147,041	347.50	2,487	2,147,041		(164)	(246)	(328)	2,005,288	1,934,412	1,863,535	33.0%
250W	NMP0000008	295	347.50	339	417,226	347.50	339	417,226		(64)	(96)	(128)	338,281	298,809	259,336	94.6%
400W	NMP0000009	451	347.50	680	1,278,542	347.50	680	1,278,542		(111)	(166)	(222)	1,070,093	965,869	861,645	81.5%
1000W	NMP0000010	1078	347.50	2	8,991	347.50	2	8,991		(0)	(1)	(1)	7,321	6,487	5,652	92.8%
Mercury Vapor																
100W	NMP0000012	130	347.50	714	387,195	347.50	714	387,195		(117)	(175)	(233)	323,973	292,361	260,750	81.6%
175W	NMP0000013	211	347.50	1,566	1,377,730	347.50	1,566	1,377,730		(103)	(155)	(207)	1,286,769	1,241,288	1,195,808	33.0%
400W	NMP0000015	477	347.50	444	883,487	347.50	444	883,487		(72)	(109)	(145)	739,447	667,427	595,407	81.5%
1000W	NMP0000017	1095	347.50	5	22,831	347.50	5	22,831		(1)	(1)	(2)	18,592	16,472	14,352	92.8%
					158,303,431		235,389		**Reductions**	(38,690)	(58,034)	(77,379)	131,661,961	118,341,226	105,020,491	
L E D LUMINAIRES																
LL Roadway LED-A	NMPLEDRWYA	0	347.50	-	-	347.50	-	-								
LL Roadway LED-B	NMPLEDRWYB	25	347.50	-	-	347.50	-	-		16,086	24,129	32,171	1,676,937	2,515,405	3,353,874	70, 50%100
LL Roadway LED-C	NMPLEDRWYC	48	347.50	-	-	347.50	-	-		15,137	22,706	30,274	3,029,841	4,544,762	6,059,682	50%100, 175
LL Roadway LED-D	NMPLEDRWYD	96	347.50	-	-	347.50	-	-		5,963	8,944	11,926	2,387,018	3,580,528	4,774,037	250
LL Roadway LED-E	NMPLEDRWYE	0	347.50	-	-	347.50	-	-					-	-	-	
LL Roadway LED-F	NMPLEDRWYF	210	347.50	-	-	347.50	-	-		1,454	2,182	2,909	1,273,618	1,910,427	2,547,236	400, 1000
LED 24 Hr Burn LED "C"		48	730.00			730.00				50	74	99	20,857	31,285	41,713	
Pricing Exception Incand Usage					71,610			71,610					71,610	71,610	71,610	
Incandescent Lamp/Luminaires					251,185			251,185					248,775	248775	248775	
TOTALS					158,626,226			158,626,226	**Additions**	38,690	58,034	77,379	140,370,617	131,244,018	122,117,418	
											Cumulative Reduction kWhs		(18,255,609)	(27,382,208)	(36,508,808)	
												Cumulative %	-11.5%	-17.3%	-23.0%	
										per year		-5.8%				

Case 17-E-0238
Appendix 2
Schedule 8.10
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

HPS Roadway Lamps & Luminaires	Component	Current Price	Units	Current Revenue	0.4% Target % Increase Target Price	Target Revenue	Replacement Cost	Replacement Revenue	Proposed % Movement to Replace Cost	Adjusted Target Price	Adjusted Target Revenue	Solve for equal % movement to Repl Adjusted Price % Movement to Replace Cost
70W	NMP0000001	$7.99	7,945	$63,479	8.02	$ 63,725	$ 10.36	$82,284		8.04	$ 63,882	
100W	NMP0000002	$7.99	16,165	$129,160	8.02	$ 129,661	$ 10.36	$167,422		8.04	$ 129,981	
150W	NMP0000003	$7.99	6,729	$53,761	8.02	$ 53,970	$ 10.36	$69,687		8.04	$ 54,103	
250W	NMP0000004	$8.17	5,899	$48,192	8.20	$ 48,378	$ 10.36	$61,091		8.22	$ 48,498	
400W	NMP0000005	$8.17	1,199	$9,792	8.20	$ 9,830	$ 10.36	$12,413		8.22	$ 9,854	
1000W	NMP0000006	$16.43	71	$1,171	16.49	$ 1,176	$ 10.36	$738		16.53	$ 1,179	
			38,007									
									HPS %	0.6%		
Roadway 70	NMP000049P	$53.65	7,945	$426,239	53.86	$ 427,891	$ 209.36	$1,663,296		53.99	$ 428,948	
Roadway 100	NMP000050P	$53.65	16,165	$867,264	53.86	$ 870,626	$ 209.36	$3,384,296		53.99	$ 872,778	
Roadway 150	NMP000051P	$54.81	6,729	$368,793	55.02	$ 370,222	$ 209.36	$1,408,670		55.16	$ 371,137	
Roadway 250	NMP000052P	$63.01	5,899	$371,671	63.25	$ 373,111	$ 209.36	$1,234,911		63.41	$ 374,034	
Roadway 400	NMP000302P	$63.01	1,199	$75,520	63.25	$ 75,813	$ 209.36	$250,924		63.41	$ 76,001	
Roadway, 1000	NMP000053P	$126.21	71	$8,999	126.70	$ 9,034	$ 209.36	$14,927		127.01	$ 9,056	
			38,007									
	Total HPS Lamp & Lumiaire			$2,424,042		$2,433,437		$8,350,660	0.16%		$2,439,452	0.26%
		% of replacement cost		29%		0.4%					0.64%	
LED												
									LED %	0.21%		
LL Roadway LED-B	NMPLEDRWYB	83.83	12,055	$1,010,572	84.15	$ 1,014,489	$ 160.65	$1,936,654		84.01	$ 1,012,739	
LL Roadway LED-C	NMPLEDRWYC	88.52	18,784	$1,662,723	88.86	$ 1,669,168	$ 163.04	$3,062,463		88.71	$ 1,666,289	
LL Roadway LED-D	NMPLEDRWYD	110.09	5,899	$649,377	110.52	$ 651,894	$ 179.04	$1,056,079		110.33	$ 650,770	
LL Roadway LED-F	NMPLEDRWYF	119.16	1,270	$151,315	119.62	$ 151,902	$ 224.84	$285,511		119.42	$ 151,640	
			38,007									
		Total LED		$3,473,987		$3,487,452		$6,340,708	0.47%		$3,481,438	0.26%
		% of replacement cost		55%		0.4%					0.21%	
			GRAND TOTAL	$5,898,028	Target Revenue	$5,920,889		$14,691,368		Target Revenue	$5,920,889	
					Total Increase	0.4%					0.39%	
									Ratio LED% to HPS %	33.74%		

		Storeroom Primary Materials	Storeroom Misc Materials	Rate Year Direct Materials Cost	Rate Year Materials Cost With Tax and Stores Handling	Rate Year Company Labor Cost	Rate Year Labor Cost with Fringe & Transportation Overhead	Total Rate Year Installation Cost with Capital Overhead	Carrying Charge Rate	Replacement Cost Carrying Charge	
Lamp		$ 11.06	$ -	$ 11.61	$ 16.15	$ -	$ -	$ 16.15	12.391%	$ 2.00	
Lamp Annual O&M					$ 3.23	$ 1.67	$ 3.62	$ 8.36		$ 8.36	
Luminaire		$ 69.42	$ 166.19	$ 247.28	$ 344.13	$ 185.41	$ 402.08	$ 913.07	16.724%	$ 152.70	
Bracket		$ 143.05	$ 65.55	$ 218.94	$ 304.68	$ 49.70	$ 107.79	$ 457.20	12.391%	$ 56.65	
		$ 212.47	$ 231.74	$ 466.22	$ 648.81	$ 235.11	$ 509.86	$ 1,370.27		$ 219.71	
LED luminaire	B	$ 103.88		$ 109.03	$ 151.72	$ 185.41	$ 402.08	$ 720.67	15.424%	$ 111.16	$ 160.65
(w/Bracket)	C	$ 114.48		$ 120.15	$ 167.21	$ 185.41	$ 402.08	$ 736.15	15.424%	$ 113.55	$ 163.04
	D	$ 185.50		$ 194.69	$ 270.94	$ 185.41	$ 402.08	$ 839.88	15.424%	$ 129.55	$ 179.04
	F	$ 388.80		$ 408.06	$ 567.87	$ 185.41	$ 402.08	$ 1,136.82	15.424%	$ 175.35	$ 224.84
			$ 169.05	$ 177.43	$ 246.91	$ 49.70	$ 107.79	$ 399.43	12.391%	$ 49.49	

Case 17-E-0238
Appendix 2
Schedule 8.11a
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Development of Proposed Lighting Service Charge
Service Classifications No. 2, 3, and 6

	Test Year Direct Cost (1)	Inflation Factor 1 (2)	Inflation Factor 2 (3)	Rate Year Direct Cost (4)	Labor Overhead % (5)	Stores Handling % (6)	Sales Tax % (7)	Transportation Equipment Overhead % (8)	Rate Year Subtotal (9)	Capital Overhead % (10)	Supervision & Admin (11)	Rate Year Grand Total Installation Cost: (12)
Contractor/Consultant Cost												
Company Labor Cost	$33.76		5.707%	$35.69	94.50%			44.71%	$85.37	90.00%	25.0%	$144.69
Primary material (storeroom)												
Miscellaneous material (storeroom)	$5.00	4.9542%		$5.25		29.0%	7.878%		$7.30		25.0%	$9.13
Material Direct from Vendor												
	$38.76			**$40.93**					**$92.67**			**$153.82**

Transportation OH % Calculation			
Hourly Aerial Truck rate	$	15.89	(Paul Jenkins, Transportation Dept)
Prorated Truck Cost	$	15.10	(#24 below) 90% OPC & 10% TPC
Calculated Transp OH %		44.7%	

Proposed Lighting Service Charge:	**$153.82**
Present Lighting Service Charge:	**$129.15**
Proposed Change	19.1%

(1) Cost before inflation and OH; see below for Test Year Company Labor Cost calculation.
(2) Source: APM-11 .
(3) Source: Calculated Labor inflation Rate from Contract Years to RY
(4) Equal to column (1), plus column (1) times the greater of columns (2) and (3)
(5) Source: Steve Harris
(6) Source: Steve Harris
(7) Source: Steve Harris
(8) Calculated above
(9) Equal to column (4), plus column (4) times the sum of columns (5) through (8)
(10) Source: Steve Harris
(11) Source: Steve Harris
(12) Equal to column (9), plus column (9) times the sum of columns (10) and (11)

Test Year Company Labor Cost Calculation

Possible Crew Type (13)	Pay Groups (first, second) (14)	Hourly Rate First Pay Group (15)	Hourly Rate Second Pay Group (16)	Cost per Hour (17)	Wrench Hours (18)	Non-Productive Time Adder (19)	Total Hours (20)	Cost Before Design & Supervision (21)	Assumed Frequency of Crew Use (22)	Prorated Company Labor Cost (23)
One person crew, Metro	19	$37.96		$37.96	0.50	50%	0.75	$28.47	58.5%	$16.65
Two person crew, Metro	19, 21	$37.96	$41.79	$79.75	0.50	50%	0.75	$59.81	6.5%	$3.89
One person crew, Districts	ChLMAHS	$45.98		$45.98	0.50	50%	0.75	$34.49	31.5%	$10.86
Two person crew, Districts	ChLMAHS, 22	$45.98	$43.76	$89.74	0.50	50%	0.75	$67.31	3.5%	$2.36
									Sum	$33.76

(13) Source: Wayne Cole, OH Manager, Western New York.
(14) Source: Wayne Cole, OH Manager, Western New York.
(15) Source: Blue Contract Book; Wages effective 4/1/2016
(16) Source: Blue Contract Book; Wages effective 4/1/2016
(17) Column (15) plus column (16)
(18) Assumption: One half hour of wrench time for typical work performed per location.
(20) Column (18) plus the product of column (18) and column (19)
(21) Column (20) times column (17)
(22) Assumptions: 90% of work performed by a one-person crew; 65% performed in metro areas.
(23) Column (21) times column (22)

Hourly Wages effective 4/1/2013 per page 242 of "Schedule of Revised Group Life Insurance" in the "Blue Contract Book"					
One person crew, Metro	19	$	35.25		
Two person crew, Metro	19, 21	$	35.25	$	38.81
One person crew, Districts	ChLMAHS	$	42.70		
Two person crew, Districts	ChLMAHS, 22	$	42.70	$	40.64

Contract Year	Rate Incease	Factor
Apr-2014	2.5%	1.02500
Apr-2015	2.5%	1.05063
Apr-2016	2.5%	1.07689

Case 17-E-0238
Appendix 2
Schedule 8.12
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Present Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	43,820	18.6%	$8.04	$31.04	$12.32	$2.48	$0.54	$54.42	$0.15	$0.02796
100W	Standard	118	492	82,836	35.2%	$8.04	$42.54	$16.88	$3.39	$0.72	$71.57	$0.20	$0.07047
150W	Standard	173	721	32,467	13.8%	$8.04	$62.34	$24.73	$4.97	$1.01	$101.09	$0.28	$0.03867
250W	Standard	304	1,268	25,276	10.8%	$8.16	$109.63	$43.50	$8.74	$1.72	$171.75	$0.47	$0.05053
400W	Standard	470	1,960	6,153	2.6%	$8.16	$169.46	$67.24	$13.52	$2.61	$260.99	$0.72	$0.01884
1000W	Closed	1106	4,612	313	0.1%	$16.44	$398.75	$158.21	$31.80	$6.11	$611.31	$1.67	$0.00222
Metal Halide													
175W	Standard	207	863	2,323	1.0%	$56.40	$74.61	$29.61	$5.95	$1.68	$168.25	$0.46	$0.00455
250W	Standard	295	1,230	275	0.1%	$56.40	$106.35	$42.20	$8.48	$2.16	$215.59	$0.59	$0.00069
400W	Standard	451	1,881	569	0.2%	$50.88	$162.63	$64.53	$12.97	$2.94	$293.95	$0.81	$0.00196
1000W	Closed	1078	4,495	2	0.0%	$54.48	$388.64	$154.20	$31.00	$6.35	$634.67	$1.74	$0.00001
Mercury Vapor													
100W	Obsolete	130	542	598	0.3%	$6.84	$46.86	$18.59	$3.74	$0.77	$76.80	$0.21	$0.00053
175W	Obsolete	211	880	1,462	0.6%	$6.84	$76.08	$30.19	$6.07	$1.20	$120.38	$0.33	$0.00205
400W	Obsolete	477	1,989	372	0.2%	$7.20	$171.97	$68.23	$13.72	$2.64	$263.76	$0.72	$0.00114
1000W	Obsolete	1095	4,566	4	0.0%	$13.08	$394.78	$156.64	$31.49	$6.02	$602.01	$1.65	$0.00003
LED													
LL Roadway LED-B	Standard	25	104	16,086	6.8%	$83.88	$8.99	$3.57	$0.72	$0.98	$98.14	$0.27	$0.01847
LL Roadway LED-C	Standard	48	200	15,137	6.4%	$88.68	$17.29	$6.86	$1.38	$1.15	$115.36	$0.32	$0.02060
LL Roadway LED-D	Standard	96	400	5,963	2.5%	$110.28	$34.58	$13.72	$2.76	$1.63	$162.97	$0.45	$0.01141
LL Roadway LED-F	Standard	210	876	1,454	0.6%	$119.28	$75.74	$30.05	$6.04	$2.33	$233.44	$0.64	$0.00396
			Total	235,109	100.0%						Proposed SC-2 Outage Credit per Lamp per Night:		**$0.27**

Proposed Base T&D rate (a)	0.08646

Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001162
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	-0.00002
Sum	0.00690

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03075
Merchant Function Charge	0.00026
Electricity Supply Reconciliation Mechanism	0.00330
Sum	0.034305
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2a
(b) Source: Appendix 2, Schedule 8.14a

Case 17-E-0238
Appendix 2
Schedule 8.13a
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Present Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	see note	22.3%	n/a	$21.31	$12.32	$2.48	$0.36	$36.47	$0.10	$0.02230
100W	Standard	118	492	see note	42.2%	n/a	$29.20	$16.88	$3.39	$0.50	$49.97	$0.14	$0.05903
150W	Standard	173	721	see note	16.5%	n/a	$42.79	$24.73	$4.97	$0.73	$73.22	$0.20	$0.03305
250W	Standard	304	1,268	see note	12.9%	n/a	$75.26	$43.50	$8.74	$1.29	$128.79	$0.35	$0.04503
400W	Standard	470	1,960	see note	3.1%	n/a	$116.33	$67.24	$13.52	$1.99	$199.08	$0.55	$0.01722
1000W	Closed	1,106	4,612	see note	0.2%	n/a	$273.72	$158.21	$31.80	$4.68	$468.41	$1.28	$0.00204
Metal Halide													
175W	Standard	207	863	see note	1.2%	n/a	$51.22	$29.61	$5.95	$0.88	$87.66	$0.24	$0.00284
250W	Standard	295	1,230	see note	0.1%	n/a	$73.00	$42.20	$8.48	$1.25	$124.93	$0.34	$0.00048
400W	Standard	451	1,881	see note	0.3%	n/a	$111.64	$64.53	$12.97	$1.91	$191.05	$0.52	$0.00151
1000W	Closed	1078	4,495	see note	0.0%	n/a	$266.78	$154.20	$31.00	$4.57	$456.55	$1.25	$0.00001
Mercury Vapor													
100W	Obsolete	130	542	see note	0.3%	n/a	$32.17	$18.59	$3.74	$0.55	$55.05	$0.15	$0.00046
175W	Obsolete	211	880	see note	0.7%	n/a	$52.23	$30.19	$6.07	$0.89	$89.38	$0.24	$0.00179
400W	Obsolete	477	1,989	see note	0.2%	n/a	$118.05	$68.23	$13.72	$2.02	$202.02	$0.55	$0.00104
1000W	Obsolete	1095	4,566	see note	0.0%	n/a	$270.99	$156.64	$31.49	$4.64	$463.76	$1.27	$0.00003
			Total		100.0%						Proposed SC-3 Outage Credit per Lamp per Night:		**$0.19**

Proposed Base T&D rate (a)	0.05935

Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001162
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	-0.00002
Sum	0.00690

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03075
Merchant Function Charge	0.00026
Electricity Supply Reconciliation Mechanism	0.00330
Sum	0.034305
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2a
(b) Source: Appendix 2, Schedule 8.14a

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

Case 17-E-0238
Appendix 2
Schedule 8.13a
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Present Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Avg Monthly Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Closed	86	359	4	1.0%	$7.92	$21.31	$12.32	$2.48	$0.44	$44.47	$0.12	$0.00115
100W	Closed	118	492	194	48.4%	$9.12	$29.20	$16.88	$3.39	$0.59	$59.18	$0.16	$0.07744
150W	Closed	173	721	58	14.5%	$9.60	$42.79	$24.73	$4.97	$0.83	$82.92	$0.23	$0.03328
250W	Closed	304	1,268	65	16.2%	$9.36	$75.26	$43.50	$8.74	$1.38	$138.24	$0.38	$0.06162
400W	Closed	470	1,960	17	4.2%	$8.16	$116.33	$67.24	$13.52	$2.07	$207.32	$0.57	$0.02417
Metal Halide													
250W	Closed	295	1,230	11	2.7%	$53.40	$73.00	$42.20	$8.48	$1.79	$178.87	$0.49	$0.01345
Mercury Vapor													
100W	Closed	130	542	52	13.0%	$6.84	$32.17	$18.59	$3.74	$0.62	$61.96	$0.17	$0.02205
			Total	401	100.0%							Proposed SC-6 Outage Credit per Lamp per Night:	**$0.23**

Proposed Base T&D rate (a)	0.05935
Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001162
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	-0.00002
Sum	0.00690

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03075
Merchant Function Charge	0.00026
Electricity Supply Reconciliation Mechanism	0.00330
Sum	0.034305
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2a
(b) Source: Appendix 2, Schedule 8.14a

Case 17-E-0238
Appendix 2
Schedule 8.13a
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. NO. 214 ELECTRICITY
Present and Proposed Volumetric Rates for Customer Impact Analysis
RATE YEAR 1

		Rate Year 1 (FY 2019) at Present Rates				Rate Year 1 (FY 2019) at Proposed Rates				Percentage Change in Rate			
		SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4
	COMMODITY RATES												
Note													
(1)	Electricity Supply Cost - Western	0.02666	0.02666	0.02666	0.03366	0.02666	0.02666	0.02666	0.03366	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Central	0.02629	0.02629	0.02629	0.03192	0.02629	0.02629	0.02629	0.03192	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Eastern	0.03929	0.03929	0.03929	0.04443	0.03929	0.03929	0.03929	0.04443	0.0%	0.0%	0.0%	0.0%
(2)	MFC (Merchant Function Charge)	0.00012	0.00012	0.00012	0.00012	0.00026	0.00026	0.00026	0.00026	114.6%	114.6%	114.6%	114.6%
	MFC (Merchant Function Charge %)	0.433%	0.433%	0.433%	0.433%	0.697%	0.697%	0.697%	0.697%	61.0%	61.0%	61.0%	61.0%
(3)	ESRM & CESS	0.00330	0.00330	0.00330	0.00330	0.00330	0.00330	0.00330	0.00330	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (WESTERN)	0.030195	0.030195	0.030195	0.037227	0.030403	0.030403	0.030403	0.037453	0.7%	0.7%	0.7%	0.6%
	TOTAL COMMODITY (CENTRAL)	0.029829	0.029829	0.029829	0.035484	0.030035	0.030035	0.030035	0.035706	0.7%	0.7%	0.7%	0.6%
	TOTAL COMMODITY (EASTERN)	0.042880	0.042880	0.042880	0.048048	0.043121	0.043121	0.043121	0.048303	0.6%	0.6%	0.6%	0.5%
	DELIVERY RATES												
(4)	Base T&D Rates	**0.08787**	**0.08575**	**0.05906**	**0.01075**	**0.08646**	**0.08646**	**0.05935**	**0.01080**	-1.6%	0.8%	0.5%	0.5%
(5)	DLM	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	0.0%	0.0%	0.0%
(6)	LTC (Legacy Transition Charge)	0.001162	0.001162	0.001162	0.001162	0.001162	0.001162	0.001162	0.001162	0.0%	0.0%	0.0%	0.0%
(7)	SBC w/ EE (System Benefit Charge)	0.007511	0.007511	0.007511	0.007511	0.005701	0.005701	0.005701	0.005701	-24.1%	-24.1%	-24.1%	-24.1%
(8)	Clean Energy Supply - Deilvery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
(9)	Transmission Revenue Adjustment (TRA)	-0.000098	-0.000098	-0.000098	-0.000098	-0.000025	-0.000025	-0.000025	-0.000025	0.0%	0.0%	0.0%	0.0%
	DELIVERY SUM	0.096502	0.094382	0.067692	0.019382	0.093356	0.093356	0.066246	0.017696	-3.3%	-1.1%	-2.1%	-8.7%
	TOTAL VOLUMETRIC RATE (WESTERN)	0.126697	0.124577	0.097887	0.056609	0.123759	0.123759	0.096649	0.055149	-2.3%	-0.7%	-1.3%	-2.6%
	TOTAL VOLUMETRIC RATE (CENTRAL)	0.126331	0.124211	0.097521	0.054866	0.123391	0.123391	0.096281	0.053401	-2.3%	-0.7%	-1.3%	-2.7%
	TOTAL VOLUMETRIC RATE (EASTERN)	0.139382	0.137262	0.110572	0.067430	0.136477	0.136477	0.109367	0.065998	-2.1%	-0.6%	-1.1%	-2.1%

(1) Company forecast supporting Appendix 2, Schedule 2
(2) Appendix 2, Schedule 7.1
(3) Forecast ESRM is set to zero for reconciliation adjustments, plus CESS.
(4) Appendix 2, Schedule 8.1a
(5) to (9) Forecast rates are from Appendix 2, Schedule 4

Case 17-E-0238
Appendix 2
Schedule 8.14a
Page 1 of 9

Average Total Bill Percent Increases by Service Class RY1

	Present Usage	Present T&D	Present Facility	Present T&D Surcharges	Present Commodity	Present Total Bill	Revenue Requirement Increase	Average Percent Total Bill Increase	Increase on T&D & Facility Revenue
SC-1	21,736,230	$1,909,963 43%	$1,591,691 36%	$187,627 4%	$718,320 16%	$4,407,600	$17,439	**0.4%**	**0.5%**
SC-2	140,352,171	$12,035,199 22%	$36,287,451 67%	$1,211,520 2%	$4,638,235 9%	$54,172,405	$240,654	**0.4%**	**0.5%**
SC-3	9,032,444	$533,456 58%	$7,371 1%	$77,968 8%	$298,496 33%	$917,291	$2,693	**0.3%**	**0.5%**
SC-4	8,970,329	$96,431 7%	$841,377 62%	$77,432 6%	$344,779 25%	$1,360,018	$4,670	**0.3%**	**0.5%**
SC-5	141,564	$12,139 16%	$59,020 77%	$1,222 2%	$4,678 6%	$77,059	$354	**0.5%**	**0.5%**
SC-6	296,136	$17,490 52%	$4,025 12%	$2,556 8%	$9,786 29%	$33,858	$107	**0.3%**	**0.5%**
	180,528,874	$ 14,604,679	$ 38,790,937	$ 1,558,326	$ 6,014,295	$ 60,968,231	$ 265,919	**0.4%**	**0.5%**

Case 17-E-0238
Appendix 2
Schedule 8.14a
Page 2 of 9

SC1 Customer Bill Impact Analysis RY1								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	3	0.0%	$	(55)	$	(18)
Decrease of	-5%	-4%	11	0.2%	$	(367)	$	(33)
Decrease of	-4%	-3%	131	2.1%	$	(1,890)	$	(14)
Decrease of	-3%	-2%	679	11.1%	$	(7,957)	$	(12)
Decrease of	-2%	-1%	505	8.3%	$	(13,177)	$	(26)
Decrease of	-1%	0%	911	14.9%	$	(7,148)	$	(8)
Increase of	0%	1%	518	8.5%	$	2,023	$	4
Increase of	1%	2%	308	5.1%	$	3,768	$	12
Increase of	2%	3%	1612	26.4%	$	13,446	$	8
Increase of	3%	4%	1157	19.0%	$	9,435	$	8
Increase of	4%	5%	263	4.3%	$	1,946	$	7
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**6098**	**100%**	**$**	**26**	**$**	**0**

SC2 Customer Bill Impact Analysis RY1								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0%	$	-		
Decrease of	-10%	-9%	0	0%	$	-		
Decrease of	-9%	-8%	0	0%	$	-		
Decrease of	-8%	-7%	0	0%	$	-		
Decrease of	-7%	-6%	0	0%	$	-		
Decrease of	-6%	-5%	0	0%	$	-		
Decrease of	-5%	-4%	0	0%	$	-		
Decrease of	-4%	-3%	34	4%	$	(1,918)	$	(56)
Decrease of	-3%	-2%	39	5%	$	(4,588)	$	(118)
Decrease of	-2%	-1%	52	7%	$	(13,217)	$	(254)
Decrease of	-1%	0%	171	22%	$	(100,687)	$	(589)
Increase of	0%	1%	261	34%	$	61,262	$	235
Increase of	1%	2%	203	27%	$	39,708	$	196
Increase of	2%	3%	3	0%	$	4,802	$	1,601
Increase of	3%	4%	1	0%	$	2,885	$	2,885
Increase of	4%	5%	0	0%	$	-		
Increase of	5%	6%	0	0%	$	-		
Increase of	6%	7%	0	0%	$	-		
Increase of	7%	8%	0	0%	$	-		
Increase of	8%	9%	1	0%	$	118	$	118
Increase of	9%	10%	0	0%	$	-		
Increase of	10%	11%	0	0%	$	-		
Increase of	11%	12%	0	0%	$	-		
Increase of	12%	13%	0	0%	$	-		
Increase of	13%	14%	0	0%	$	-		
Increase of	14%	15%	0	0%	$	-		
Increase of	15%	16%	0	0%	$	-		
Increase of	16%	17%	0	0%	$	-		
Increase of	17%	18%	0	0%	$	-		
Increase of	18%	19%	0	0%	$	-		
Increase of	19%	20%	0	0%	$	-		
Increase of	20%	23%	0	0%	$	-		
Increase of	23%	26%	0	0%	$	-		
Increase of		>30%	0	0%	$	-		
Totals (annual impact)			**765**	**100%**	**$**	**(11,637)**	**$**	**(15)**

SC3 Customer Bill Impact Analysis RY1								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0%	$	-		
Decrease of	-10%	-9%	0	0%	$	-		
Decrease of	-9%	-8%	0	0%	$	-		
Decrease of	-8%	-7%	0	0%	$	-		
Decrease of	-7%	-6%	0	0%	$	-		
Decrease of	-6%	-5%	0	0%	$	-		
Decrease of	-5%	-4%	0	0%	$	-		
Decrease of	-4%	-3%	0	0%	$	-		
Decrease of	-3%	-2%	0	0%	$	-		
Decrease of	-2%	-1%	130	100%	$	(8,585)	$	(66)
Decrease of	-1%	0%	0	0%	$	-		
Increase of	0%	1%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	0	0%	$	-		
Increase of	4%	5%	0	0%	$	-		
Increase of	5%	6%	0	0%	$	-		
Increase of	6%	7%	0	0%	$	-		
Increase of	7%	8%	0	0%	$	-		
Increase of	8%	9%	0	0%	$	-		
Increase of	9%	10%	0	0%	$	-		
Increase of	10%	11%	0	0%	$	-		
Increase of	11%	12%	0	0%	$	-		
Increase of	12%	13%	0	0%	$	-		
Increase of	13%	14%	0	0%	$	-		
Increase of	14%	15%	0	0%	$	-		
Increase of	15%	16%	0	0%	$	-		
Increase of	16%	17%	0	0%	$	-		
Increase of	17%	18%	0	0%	$	-		
Increase of	18%	19%	0	0%	$	-		
Increase of	19%	20%	0	0%	$	-		
Increase of	20%	23%	0	0%	$	-		
Increase of	23%	26%	0	0%	$	-		
Increase of		>30%	0	0%	$	-		
Totals (annual impact)			**130**	**100%**	**$**	**(8,585)**	**$**	**(66)**

SC4 Customer Bill Impact Analysis RY1								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	17	12.6%	$	(3,678)	$	(216)
Decrease of	-1%	0%	103	76.3%	$	(6,250)	$	(61)
Increase of	0%	1%	15	11.1%	$	14	$	1
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**135**	**100%**	**$**	**(9,914)**	**$**	**(73)**

SC5 Customer Bill Impact Analysis RY1								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	5	83.3%	$	(2,334)	$	(467)
Increase of	0%	1%	1	16.7%	$	66	$	66
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**6**	**100%**	**$**	**(2,268)**	**$**	**(378)**

SC6 Customer Bill Impact Analysis RY1								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	0	0.0%	$	-		
Increase of	0%	1%	9	100.0%	$	166	$	18
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**9**	**100%**	**$**	**166**	**$**	**18**

Customers with Price Exception's Total Bills Impacts RY1

Price Exception Customer	Impact %		Impact $
AMHERST CENTRAL SCHOOL DIST	-0.83%	$	(119)
CHAUTAUQUA UTILITY DIST	1.47%	$	798
CITY OF BUFFALO	0.22%	$	21,343
CITY OF SCHENECTADY	0.20%	$	1,910
CITY OF SYRACUSE DPW	-0.28%	$	(12,297)
CITY OF UTICA DPW	-0.67%	$	(11,654)
MUSEUM OF SCIENCE & TEC	8.86%	$	118
TOWN OF AMHERST	-0.32%	$	(11,069)
TOWN OF QUEENSBURY	-0.36%	$	(641)
TOWN OF TONAWANDA	-0.07%	$	(1,614)
VILLAGE OF KENMORE	0.85%	$	2,404
VILLAGE OF KINDERHOOK	1.36%	$	480
VILLAGE OF WILLIAMSVILLE	3.33%	$	2,885
		$	**(7,457)**

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Development of Target Rate Year 2 Revenue Per Lighting Service Class

Forecast Rate Year 2 Revenue at Rate Year 1 Rates

Service Class	Proposed Usage	Rate Year 1 T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D [3]	Pct. of Total Revenue
SC-1	21,736,230	0.08646	$1,879,369	$1,639,723	$3,519,092	53.4%	6.6%
SC-2	140,352,171	0.08646	$12,135,201	$36,428,103	$48,563,304	25.0%	90.5%
Contract	141,564	0.08646	$12,240	$59,273	$71,513	17.1%	0.1%
	140,493,735		$12,147,441	$36,487,376	$48,634,817	25.0%	90.6%
[1]SC-3	9,032,444	0.05935	$536,113	$7,408	$543,521	98.6%	1.0%
SC-6	296,136	0.05935	$17,577	$4,045	$21,622	81.3%	0.0%
	9,328,580		$553,690	$11,453	$565,143	98.0%	1.1%
[2]SC-4	8,970,329	0.01080	$96,911	$845,567	$942,478	10.3%	1.8%
Total	**180,528,874**		**$14,677,411**	**$38,984,120**	**$53,661,530**	**27.4%**	**100.0%**

(1) The SC-3 facility revenue is from a single SC-3 contract customer.
(2) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of presentation.
(3) The total current revenue reflects the proper T&D contract rates, as compared to Appendix 2, Schedule 1.

Revenue Requirement Allocation [1]	*Target Revenue*	*Dollar Increase*	*% Increase*
$53,802,627	$53,802,627	$141,096	0.3%

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate[2]	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	Facility Price Increase %	Revenue Neutral SC1/SC2/Cnt T&D Revenue	Revenue Neutral SC1/SC2/Cnt T&D Rate
SC-1	21,736,230	0.08669	$1,884,311	$1,644,035	$3,528,345	53.4%	6.6%	0.3%	$ 1,884,311	
SC-2	140,352,171	0.08669	$12,167,109	$36,523,886	$48,690,995	25.0%	90.7%	0.3%	$ 12,167,109	
Contract	141,564	0.08669	$12,272	$59,429	$71,701	17.1%	0.1%	0.3%	$ 12,272	
	140,493,735		$12,179,381	$36,583,315	$48,762,696	25.0%	90.9%		$ 14,063,692	0.08669
SC-3	9,032,444	0.05951	$537,523	$7,427	$544,950	98.6%	1.0%	0.3%		
SC-6	296,136	0.05951	$17,623	$4,056	$21,679	81.3%	0.0%	0.3%		
	9,328,580		$555,146	$11,483	$566,629	98.0%	1.1%			
SC-4	8,970,329	0.01083	$97,166	$847,790	$944,956	10.3%	1.8%	0.3%		
Total	**180,528,874**		**$14,716,003**	**$39,086,623**	**$53,802,627**	**27.4%**	**100.0%**			
		Dollar Increase:	$38,592	$102,504	$141,096					
		Percent Increase:	0.3%	0.3%	0.3%					

(1) Source: Appendix 2, Schedule 2. Target Delivery Revenue Year 2 plus Tax Change plus Surcredit
(2) Target T&D rates are not rounded. Proposed T&D rates below are rounded to five decimal places.

Rate Year 2 Revenue at Proposed Rates

Service Class	Proposed Usage	Proposed T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %
SC-1	21,736,230	0.08669	$1,884,314	$1,643,933	$3,528,247	53.4%	6.6%	0.3%	0.3%
SC-2	140,352,171	0.08669	$12,167,130	$36,518,889	$48,686,019	25.0%	90.5%	0.3%	0.2%
Contract	141,564	0.08669	$12,272	$59,336	$71,608	17.1%	0.1%	0.3%	0.1%
	140,493,735		$12,179,402	$36,578,225	$48,757,627	25.0%	90.6%	0.3%	0.2%
SC-3	9,032,444	0.05951	$537,521	$8,591	$546,112	98.4%	1.0%	0.3%	16.0%
SC-6	296,136	0.05951	$17,623	$4,048	$21,671	81.3%	0.0%	0.3%	0.1%
	9,328,580		$555,144	$12,639	$567,783	97.8%	1.1%	0.3%	10.4%
SC-4	8,970,329	0.01083	$97,149	$847,781	$944,930	10.3%	1.8%	0.2%	0.3%
Total	**180,528,874**		**$14,716,008**	**$39,082,579**	**$53,798,587**	**27.4%**	**100.0%**	0.3%	0.3%
		Dollar Increase:	$38,597	$98,459	$137,057				
		Percent Increase:	0.3%	0.3%	0.3%				

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Summary of Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	21,736,230	0.08646	$1,879,369	$1,639,723	$3,519,092
Target		0.08669	$1,884,311	$1,644,035	$3,528,345
Proposed	21,736,230	0.08669	$1,884,314	$1,643,933	$3,528,247
(%)	0.0%	0.3%	0.3%	0.3%	0.3%
($)	n/a	0.00023	$4,945	$4,210	$9,155
Proposed minus Target	n/a	0.00000	$3	-$102	-$98
			0.00%	-0.01%	0.00%

Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	140,352,171	0.08646	$12,135,201	$36,428,103	$48,563,304
Target		0.08669	$12,167,109	$36,523,886	$48,690,995
Proposed	140,352,171	0.08669	$12,167,130	$36,518,889	$48,686,019
(%)	0.0%	0.3%	0.3%	0.2%	0.3%
($)	n/a	0.00023	$31,929	$90,786	$122,715
Proposed minus Target	n/a	0.00000	$21	-$4,997	-$4,976
			0.00%	-0.01%	-0.01%

Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	9,032,444	0.05935	$536,113	$7,408	$543,521
Target		0.05951	$537,523	$7,427	$544,950
Proposed	9,032,444	0.05951	$537,521	$8,591	$546,112
(%)	0.0%	0.3%	0.3%	16.0%	0.5%
($)	n/a	0.00016	$1,408	$1,184	$2,592
Proposed minus Target	n/a	0.00000	-$2	$1,164	$1,163
			0.00%	13.55%	0.21%

Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	8,970,329	0.01080	$96,911	$845,567	$942,478
Target		0.01083	$97,166	$847,790	$944,956
Proposed	8,970,329	0.01083	$97,149	$847,781	$944,930
(%)	0.0%	0.2%	0.2%	0.3%	0.3%
($)	n/a	0.00003	$237	$2,215	$2,452
Proposed minus Target	n/a	0.00000	-$17	-$9	-$26
			-0.02%	0.00%	0.00%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Summary of Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

Contract Street Lighting (Customer Contributory Provisions)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	141,564	0.08646	$12,240	$59,273	$71,513
Target		0.08669	$12,272	$59,429	$71,701
Proposed	141,564	0.08669	$12,272	$59,336	$71,608
(%)	0.0%	0.3%	0.3%	0.1%	0.1%
($)	n/a	0.00023	$32	$63	$95
Proposed minus Target	n/a	0.00000	$0	-$93	-$93
			0.00%	-0.16%	-0.13%

Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	296,136	0.05935	$17,577	$4,045	$21,622
Target		0.05951	$17,623	$4,056	$21,679
Proposed	296,136	0.05951	$17,623	$4,048	$21,671
(%)	0.0%	0.3%	0.3%	0.1%	0.2%
($)	n/a	0.00016	$46	$3	$49
Proposed minus Target	n/a	0.00000	$0	-$8	-$8
			0.00%	-0.20%	-0.04%

Total P.S.C. No. 214 Electricity

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	180,528,874	n/a	$14,677,411	$38,984,120	$53,661,530
Target			$14,716,003	$39,086,623	$53,802,627
Proposed	180,528,874	n/a	$14,716,008	$39,082,579	$53,798,587
Rate Year 1 to Proposed (%)	0.0%		0.3%	0.3%	0.3%
Rate Year 1 to Proposed ($)	n/a	n/a	$38,597	$98,459	$137,057
Proposed minus Target	n/a	n/a	$5	-$4,044	-$4,039
			0.00%	-0.01%	-0.01%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669

1
Use Group Tariff Prices

0.3%

Description	Rate Year 1 Facility Class	Billed Annual kWh per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Facility Revenue (j)	Rate Year 1 Annual Total Revenue (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
LAMP & LUMINAIRE																
High Pressure Sodium																
Coach, 70W	Closed	360	$116.28	$116.64	0.3%	$116.64	12.0	4,320	$374	$1,395	$1,769	12	4,320	$375	$1,400	$1,774
Coach, 100W	Closed	492	$116.28	$116.64	0.3%	$116.64	1.0	492	$43	$116	$159	1	492	$43	$117	$159
Coach, 150W	Closed	720	$116.28	$116.64	0.3%	$116.64	17.0	12,240	$1,058	$1,977	$3,035	17	12,240	$1,061	$1,983	$3,044
Edison, 70W	Closed	360	$116.28	$116.64	0.3%	$116.64	25.0	9,000	$778	$2,907	$3,685	25	9,000	$780	$2,916	$3,696
Edison, 100W	Closed	492	$116.28	$116.64	0.3%	$116.64	90.0	44,280	$3,829	$10,465	$14,294	90	44,280	$3,839	$10,498	$14,336
Edison, 150W	Closed	720	$116.28	$116.64	0.3%	$116.64	0.0	-	$0	$0	$0	0	-	$0	$0	$0
Floodlight, 250W	Standard	1,272	$76.80	$77.04	0.3%	$77.04	1145.7	1,457,288	$126,001	$87,987	$213,988	1145.67	1,457,288	$126,332	$88,262	$214,594
Floodlight, 400W	Standard	1,956	$76.80	$77.04	0.3%	$77.04	1664.1	3,254,947	$281,431	$127,802	$409,232	1664.08	3,254,947	$282,171	$128,201	$410,372
Roadway, 70W	Standard	360	$63.00	$63.12	0.2%	$63.12	518.8	186,750	$16,147	$32,681	$48,828	518.75	186,750	$16,189	$32,744	$48,933
Roadway, 100W	Standard	492	$63.00	$63.12	0.2%	$63.12	2087.2	1,026,886	$88,787	$131,492	$220,279	2087.17	1,026,886	$89,021	$131,742	$220,763
Roadway, 150W	Standard	720	$63.00	$63.12	0.2%	$63.12	1924.7	1,385,760	$119,816	$121,254	$241,070	1924.67	1,385,760	$120,132	$121,485	$241,616
Roadway, 250W	Standard	1,272	$63.00	$63.12	0.2%	$63.12	1441.6	1,833,694	$158,546	$90,820	$249,366	1441.58	1,833,694	$158,963	$90,993	$249,956
Roadway, 400W	Standard	1,956	$63.00	$63.12	0.2%	$63.12	1719.2	3,362,690	$290,747	$108,308	$399,054	1719.17	3,362,690	$291,512	$108,514	$400,025
Shoebox, 100W	Closed	492	$94.20	$94.44	0.3%	$94.44	0.0	-	$0	$0	$0	0	-	$0	$0	$0
Shoebox, 150W	Closed	720	$94.20	$94.44	0.3%	$94.44	0.0	-	$0	$0	$0	0	-	$0	$0	$0
Shoebox, 250W	Closed	1,272	$94.20	$94.44	0.3%	$94.44	1.0	1,272	$110	$94	$204	1	1,272	$110	$94	$205
Shoebox, 400W	Closed	1,956	$94.20	$94.44	0.3%	$94.44	8.0	15,648	$1,353	$754	$2,107	8	15,648	$1,357	$756	$2,112
Traditional, 70W	Closed	360	$63.00	$63.12	0.2%	$63.12	6.5	2,340	$202	$410	$612	6.5	2,340	$203	$410	$613
Traditional, 100W	Closed	492	$63.00	$63.12	0.2%	$63.12	19.0	9,348	$808	$1,197	$2,005	19	9,348	$810	$1,199	$2,010
Traditional, 150W	Closed	720	$63.00	$63.12	0.2%	$63.12	2.0	1,440	$125	$126	$251	2	1,440	$125	$126	$251
Floodlight, 1000W	Obsolete	4,620	$95.40	$95.64	0.3%	$95.64	281.2	1,298,990	$112,314	$26,823	$139,137	281.167	1,298,990	$112,609	$26,891	$139,500
Roadway, 1000W	Obsolete	4,620.0	$132.36	$132.72	0.3%	$132.72	179.7	830,060	$71,769	$23,781	$95,550	179.667	830,060	$71,958	$23,845	$95,803
Metal Halide																
Floodlight, 400W	Standard	1,884	$88.44	$88.68	0.3%	$88.68	891.5	1,679,586	$145,221	$78,844	$224,065	891.5	1,679,586	$145,603	$79,058	$224,662
Shoebox, 400W	Closed	1,884	$88.44	$88.68	0.3%	$88.68	32.0	60,288	$5,213	$2,830	$8,043	32	60,288	$5,226	$2,838	$8,064
Shoebox, 1000W	Closed	4,500	$88.44	$88.68	0.3%	$88.68	0.0	-	$0	$0	$0	0	-	$0	$0	$0
LL Flood MH 250	Standard	1,236	$88.44	$88.68	0.3%	$88.68	0	-	$0	$0	$0	0	-	$0	$0	$0
LL Flood MH 400	Standard	1,884	$88.44	$88.68	0.3%	$88.68	29.8	56,049	$4,846	$2,631	$7,477	29.75	56,049	$4,859	$2,638	$7,497
LL Flood MH 1000	Standard	4,500	$88.44	$88.68	0.3%	$88.68	0	-	$0	$0	$0	0	-	$0	$0	$0
Mercury Vapor																
Floodlight, 400W	Obsolete	1,992	$64.44	$64.56	0.2%	$64.56	75.3	149,898	$12,961	$4,849	$17,810	75.25	149,898	$12,995	$4,858	$17,853
Floodlight, 1000W	Obsolete	4,572	$98.04	$98.28	0.2%	$98.28	84.7	387,096	$33,469	$8,301	$41,770	84.6667	387,096	$33,557	$8,321	$41,878
Roadway, 175W	Obsolete	876	$64.44	$64.56	0.2%	$64.56	1810.9	1,586,363	$137,161	$116,695	$253,856	1810.92	1,586,363	$137,522	$116,913	$254,435
Roadway, 400W	Obsolete	1,992	$64.44	$64.56	0.2%	$64.56	1059.2	2,109,860	$182,424	$68,253	$250,676	1059.17	2,109,860	$182,904	$68,380	$251,284
Roadway, 1000W	Obsolete	4,572	$138.60	$138.96	0.3%	$138.96	212.1	969,645	$83,838	$29,395	$113,233	212.083	969,645	$84,059	$29,471	$113,530
POLES/STANDARDS																
Overhead Service																
Additional Wood Pole	Standard		$80.52	$80.76	0.3%		3963.9	-	$0	$319,175	$319,175	3963.92	-	$0	$320,126	$320,126
Underground Service																
Standards > 16 ft.																
Aluminum - AB - w/davit)	Closed		$221.40	$222.00	0.3%		17.0	-	$0	$3,764	$3,764	17	-	$0	$3,774	$3,774
Aluminum - AB - square)	Closed		$485.52	$486.84	0.3%		17.0	-	$0	$8,254	$8,254	17	-	$0	$8,276	$8,276
Fiberglass - AB - w/pendant arm)	Closed		$150.24	$150.60	0.2%		0.0	-	$0	$0	$0	0	-	$0	$0	$0
Standard <= 16 ft																
Aluminum - AB - square	Closed		$296.64	$297.36	0.2%		0.0	-	$0	$0	$0	0	-	$0	$0	$0
Fiberglass, AB	Closed		$76.80	$77.04	0.3%		108.0	-	$0	$8,294	$8,294	108	-	$0	$8,320	$8,320
Fiberglass, direct embedded (DE)	Closed		$102.84	$103.08	0.2%		62.5	-	$0	$6,428	$6,428	62.5	-	$0	$6,443	$6,443
SD Alum=<16' AB SQ	Standard		$296.64	$297.36	0.2%		0.0	-	$0	$0	$0	0	-	$0	$0	$0

Case 17-E-0238
Appendix 2
Schedule 8.3b
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669

1
Use Group Tariff Prices

0.3%

Description	Rate Year 1 Facility Class	Billed Annual kWh per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Facility Revenue (j)	Rate Year 1 Annual Total Revenue (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
FOUNDATIONS																
Concrete - Cast-In-Place (CIP)																
For AB standard > 16 ft.	Closed		$258.00	$258.72	0.3%		9.0	-	$0	$2,322	$2,322	9	-	$0	$2,328	$2,328
For AB standard <= 16 ft.	Closed		$187.32	$187.80	0.3%		0.0	-	$0	$0	$0	0	-	$0	$0	$0
											$0					
Concrete - Pre-Cast (PC)																
for AB standards	Closed		$154.32	$154.68	0.2%		7.0	-	$0	$1,080	$1,080	7	-	$0	$1,083	$1,083
											$0					
Mechanical - Screw Type																
for AB standards	Obsolete		$115.92	$116.28	0.3%		126.0	-	$0	$14,606	$14,606	126	-	$0	$14,651	$14,651
CIRCUITRY																
Overhead Service - one span	Standard		$37.44	$37.56	0.3%		4787.3	-	$0	$179,235	$179,235	4787.25	-	$0	$179,809	$179,809
Underground Service																
Cable and conduit, per foot	Closed		$2.28	$2.28	0.0%		1997.0	-	$0	$4,553	$4,553	1997	-	$0	$4,553	$4,553
Cable only, per foot	Closed		$0.36	$0.36	0.0%		772.0	-	$0	$278	$278	772	-	$0	$278	$278
Direct buried cable, per foot	Closed		$1.44	$1.44	0.0%		6694.1	-	$0	$9,639	$9,639	6694.08	-	$0	$9,639	$9,639
				Annual Total				**21,736,230**	**$1,879,369**	**$1,639,813**	**$3,519,182**		**21,736,230**	**$1,884,314**	**$1,643,933**	**$3,528,247**

New Facility additions (no billed quantities)

LL Roadway LED-A	Standard	$0.00	$0.00
LL Roadway LED-B	Standard	$83.88	$84.00
LL Roadway LED-C	Standard	$88.68	$88.80
LL Roadway LED-D	Standard	$110.28	$110.40
LL Roadway LED-E	Standard	$0.00	$0.00
LL Roadway LED-F	Standard	$119.28	$119.40

		0.25%	
TARGET	$1,884,311	**$1,644,035**	$3,528,345
PROPOSED MINUS TARGET	$3	-$102	-$98
		Error due to Tariff Rate rounding	

Case 17-E-0238
Appendix 2
Schedule 8.3b
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 1 T&D rate 0.08646 | Leap Yr =1, NonLeapYr =0 | **1** | 33.1% | LED Facility % **0.1%**
Proposed T&D rate 0.08669 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.3%**
0.26% increase

Description	Rate Year 1 Facility Class	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Facility Revenue (j)	Rate Year 1 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
LAMPS																	
High Pressure Sodium																	
70W	Standard	86	$8.04	$8.04	0.0%	$ 8.04	43,820	15,714,890	$1,358,749	$352,316	$1,711,065	347.50	43,820	15,714,890	$1,362,324	$352,316	$1,714,640
24 HR - 70W	Standard	86	$16.08	$16.08	0.0%	$16.08	-	-	$0	$0	$0	730.00	-	-	$0	$0	$0
100W	Standard	118	$8.04	$8.04	0.0%	$8.04	82,836	40,760,293	$3,524,237	$666,002	$4,190,239	347.50	82,836	40,760,293	$3,533,510	$666,002	$4,199,511
24 HR - 100W	Standard	118	$16.08	$16.08	0.0%	$16.08	38	38,920	$3,365	$605	$3,971	730.00	38	38,920	$3,374	$605	$3,979
150W	Standard	173	$8.04	$8.04	0.0%	$8.04	32,467	23,421,848	$2,025,112	$261,033	$2,286,145	347.50	32,467	23,421,848	$2,030,440	$261,033	$2,291,473
24 HR - 150W	Standard	173	$16.08	$16.08	0.0%	$16.08	104	158,170	$13,676	$1,678	$15,354	730.00	104	158,170	$13,712	$1,678	$15,390
250W	Standard	304	$8.04	$8.04	0.0%	$8.04	25,276	32,041,541	$2,770,392	$203,217	$2,973,609	347.50	25,276	32,041,541	$2,777,681	$203,217	$2,980,898
24 HR - 250W	Standard	304	$16.08	$16.08	0.0%	$16.08	88	235,348	$20,349	$1,421	$21,770	730.00	88	235,348	$20,402	$1,421	$21,823
400W	Standard	470	$8.04	$8.04	0.0%	$8.04	**6,153**	12,059,009	$1,042,652	$49,469	$1,092,121	347.50	6,153	12,059,009	$1,045,395	$49,469	$1,094,865
24 HR - 400W	Standard	470	$16.08	$16.08	0.0%	$16.08	-	-	$0	$0	$0	730.00	-	-	$0	$0	$0
1000W	Closed	1106	$16.44	$16.44	0.0%	$16.44	313	1,442,177	$124,694	$5,141	$129,835	347.50	313	1,442,177	$125,022	$5,141	$130,163
Metal Halide								-						-			
175W	Standard	207	$55.44	$55.56	0.2%	$ 55.56	2,323	2,005,288	$173,382	$128,793	$302,176	347.50	2,323	2,005,288	$173,838	$129,072	$302,911
250W	Standard	295	$55.44	$55.56	0.2%	$55.56	275	338,281	$29,249	$15,246	$44,494	347.50	275	338,281	$29,326	$15,279	$44,604
400W	Standard	451	$55.44	$55.56	0.2%	$55.56	569	1,070,093	$92,523	$31,545	$124,068	347.50	569	1,070,093	$92,766	$31,613	$124,380
1000W	Closed	1078	$55.44	$55.56	0.2%	$55.56	2	7,321	$633	$90	$723	347.50	2	7,321	$635	$90	$725
Mercury Vapor								-						-			
100W	Obsolete	130	$6.84	$6.84	0.0%	$ 6.84	598	323,973	$28,011	$4,088	$32,099	347.50	598	323,973	$28,085	$4,088	$32,173
175W	Obsolete	211	$6.84	$6.84	0.0%	$6.84	1,462	1,286,769	$111,257	$10,003	$121,260	347.50	1,462	1,286,769	$111,550	$10,003	$121,553
400W	Obsolete	477	$6.84	$6.84	0.0%	$6.84	372	739,447	$63,934	$2,543	$66,477	347.50	372	739,447	$64,103	$2,543	$66,645
1000W	Obsolete	1095	$13.08	$13.08	0.0%	$13.08	4	18,592	$1,607	$53	$1,661	347.50	4	18,592	$1,612	$53	$1,665
250W (5 unit)	Obsolete	1535	$191.28	$191.76	0.3%	$191.76	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LAMP & LUMINAIRE																	
MV 100W Open Reflector	Obsolete	130	$87.60	$87.84	0.3%	$87.84	44	23,852	$2,062	$3,854	$5,917	347.50	44	23,852	$2,068	$3,865	$5,933
HPS 1000W High-Mast (6 unit)	Closed	6636	$1,016.88	$1,019.28	0.2%	$1,019.28	8	221,377	$19,141	$8,135	$27,276	347.50	8	221,377	$19,191	$8,154	$27,345
Incandescent																	
< 2500 lumen, Open Reflector	Obsolete	202	$75.00	$75.12	0.2%	$75.12	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
< 2500 lumen, Std Luminaire	Obsolete	202	$97.08	$97.32	0.2%	$97.32	1	842	$73	$97	$170	347.50	1	842	$73	$97	$170
4000 lumen, Open	Obsolete	327	$86.28	$86.52	0.3%	$86.52	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
4000 lumen, Enclosed	Obsolete	327	$100.08	$100.32	0.2%	$100.32	4	5,113	$442	$375	$817	347.50	4	5,113	$443	$376	$819
6000 lumen, Enclosed	Obsolete	448	$99.96	$100.20	0.2%	$100.20	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
10000 lumen, Enclosed	Obsolete	690	$151.68	$152.04	0.2%	$152.04	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LUMINAIRES																	
Aspen Grove 100	Standard		$100.80	$101.04	0.2%	$ 101.04	6,698		$0	$675,116	$675,116		6,698	-	$0	$676,724	$676,724
Aspen Grove 150	Standard		$100.80	$101.04	0.2%	$ 101.04	2,084		$0	$210,109	$210,109		2,084	-	$0	$210,609	$210,609
Aspen Grove 175	Standard		$100.80	$101.04	0.2%	$ 101.04	278		$0	$28,022	$28,022		278	-	$0	$28,089	$28,089
Aspen Grove 70	Standard		$100.80	$101.04	0.2%	$ 101.04	7,448		$0	$750,758	$750,758		7,448	-	$0	$752,546	$752,546
Buffalo Globe (5 unit), 250	Obsolete		$504.12	$505.32	0.2%	$505.32	-		$0	$0	$0		-	-	$0	$0	$0
Central Park 100	Standard		$123.12	$123.36	0.2%	$ 123.36	1,354		$0	$166,704	$166,704		1,354	-	$0	$167,029	$167,029
Central Park 175	Standard		$123.12	$123.36	0.2%	$ 123.36	864		$0	$106,365	$106,365		864	-	$0	$106,573	$106,573
Coach 100	Standard		$73.44	$73.56	0.2%	$ 73.44	1,299		$0	$95,411	$95,411		1,299	-	$0	$95,567	$95,567
Coach 150	Standard		$73.44	$73.56	0.2%	$ 73.44	179		$0	$13,146	$13,146		179	-	$0	$13,167	$13,167
Coach 175	Standard		$57.48	$57.60	0.2%	$ 73.44	20		$0	$1,150	$1,150		20	-	$0	$1,152	$1,152
Coach 70	Standard		$73.44	$73.56	0.2%	$ 73.44	1,897		$0	$139,316	$139,316		1,897	-	$0	$139,543	$139,543
Contemporary 70	Obsolete		$77.64	$77.76	0.2%	$ 77.76	192		$0	$14,907	$14,907		192	-	$0	$14,930	$14,930
Contemporary 100	Obsolete		$77.64	$77.76	0.2%	$ 77.76	163		$0	$12,668	$12,668		163	-	$0	$12,688	$12,688
Contemporary 150	Obsolete		$77.64	$77.76	0.2%	$ 77.76	24		$0	$1,863	$1,863		24	-	$0	$1,866	$1,866
Contemporary 175	Obsolete		$77.64	$77.76	0.2%	$ 77.76	24		$0	$1,863	$1,863		24	-	$0	$1,866	$1,866
Contemporary, 250	Obsolete		$77.64	$77.76	0.2%	$ 77.76	-		$0	$0	$0		-	-	$0	$0	$0
Contemporary, 400	Obsolete		$77.64	$77.76	0.2%	$ 77.76	-		$0	$0	$0		-	-	$0	$0	$0
Delaware Park 150	Standard		$199.68	$200.16	0.2%	$ 200.16	295		$0	$58,856	$58,856		295	-	$0	$58,997	$58,997
Delaware Park 175	Standard		$199.68	$200.16	0.2%	$ 200.16	251		$0	$50,020	$50,020		251	-	$0	$50,140	$50,140
Delaware Park 250	Standard		$246.60	$247.20	0.2%	$ 247.20	1,056		$0	$260,512	$260,512		1,056	-	$0	$261,146	$261,146
Delaware Park 400	Standard		$246.60	$247.20	0.2%	$ 247.20	850		$0	$209,487	$209,487		850	-	$0	$209,996	$209,996
Delaware Park Pedestrian 100	Standard		$168.96	$169.32	0.2%	$ 169.32	91		$0	$15,375	$15,375		91	-	$0	$15,408	$15,408

Case 17-E-0238
Appendix 2
Schedule 8.4b
Page 1 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 1 T&D rate 0.08646 | Leap Yr =1, NonLeapYr =0 | 1 | 33.1% | LED Facility % **0.1%**
Proposed T&D rate 0.08669 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.3%**
0.26% increase

Description	Rate Year 1 Facility Class	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Facility Revenue (j)	Rate Year 1 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
Delaware Park Pedestrian 175	Standard		$168.96	$169.32	0.2%	$ 169.32	13		$0	$2,196	$2,196		13	-	$0	$2,201	$2,201
Delaware Park Pedestrian 70	Standard		$168.96	$169.32	0.2%	$ 169.32	240		$0	$40,550	$40,550		240	-	$0	$40,637	$40,637
Edison 70	Standard		$78.96	$79.20	0.3%	$ 79.20	125		$0	$9,870	$9,870		125	-	$0	$9,900	$9,900
Edison 100	Standard		$78.96	$79.20	0.3%	$ 79.20	1,254		$0	$99,049	$99,049		1,254	-	$0	$99,350	$99,350
Edison 150	Standard		$78.96	$79.20	0.3%	$ 79.20	808		$0	$63,760	$63,760		808	-	$0	$63,954	$63,954
Edgewater 100	Standard		$134.64	$135.00	0.3%	$ 135.00	756		$0	$101,810	$101,810		756	-	$0	$102,083	$102,083
Edgewater 150	Standard		$134.64	$135.00	0.3%	$ 135.00	531		$0	$71,483	$71,483		531	-	$0	$71,674	$71,674
Edgewater 175	Standard		$134.64	$135.00	0.3%	$ 135.00	138		$0	$18,625	$18,625		138	-	$0	$18,675	$18,675
Floodlight 250	Standard		$60.48	$60.60	0.2%	$ 60.60	281		$0	$16,980	$16,980		281	-	$0	$17,013	$17,013
Floodlight 400	Standard		$60.48	$60.60	0.2%	$ 60.60	498		$0	$30,089	$30,089		498	-	$0	$30,149	$30,149
Floodlight 1000	Obsolete		$60.48	$60.60	0.2%	$ 60.60	4		$0	$222	$222		4	-	$0	$222	$222
Franklin Square, 250	Closed		$136.80	$137.16	0.3%	$ 137.16	-		$0	$0	$0		-	-	$0	$0	$0
Franklin Square, 100	Closed		$136.80	$137.16	0.3%	$ 137.16	113		$0	$15,458	$15,458		113	-	$0	$15,499	$15,499
Franklin Square, 150	Closed		$136.80	$137.16	0.3%	$ 137.16	234		$0	$32,011	$32,011		234	-	$0	$32,095	$32,095
Franklin Square, 175	Closed		$136.80	$137.16	0.3%	$ 137.16	6		$0	$787	$787		6	-	$0	$789	$789
Globe, 150	Closed		$103.20	$103.44	0.2%	$ 103.44	-		$0	$0	$0		-	-	$0	$0	$0
Globe, 175	Closed		$79.20	$79.44	0.3%	$ 79.44	-		$0	$0	$0		-	-	$0	$0	$0
Little Falls - Post Top, 70	Closed		$126.72	$126.96	0.2%	$ 126.96	179		$0	$22,641	$22,641		179	-	$0	$22,684	$22,684
Little Falls - Teardrop, 70	Closed		$155.28	$155.64	0.2%	$ 155.64	79		$0	$12,267	$12,267		79	-	$0	$12,296	$12,296
Roadway 70	Standard		$55.80	$55.92	0.2%	$ 55.92	31,776		$0	$1,773,093	$1,773,093		31,776	-	$0	$1,776,906	$1,776,906
Roadway 100	Standard		$55.80	$55.92	0.2%	$ 55.92	65,157		$0	$3,635,735	$3,635,735		65,157	-	$0	$3,643,554	$3,643,554
Roadway 150	Standard		$55.80	$55.92	0.2%	$ 55.92	27,018		$0	$1,507,593	$1,507,593		27,018	-	$0	$1,510,835	$1,510,835
Roadway 175	Standard		$55.80	$55.92	0.2%	$ 55.92	1,076		$0	$60,031	$60,031		1,076	-	$0	$60,160	$60,160
Roadway 250	Standard		$55.80	$55.92	0.2%	$ 55.92	24,001		$0	$1,339,233	$1,339,233		24,001	-	$0	$1,342,114	$1,342,114
Roadway 400	Standard		$55.80	$55.92	0.2%	$ 55.92	**5,574**		$0	$311,008	$311,008		5,574	-	$0	$311,677	$311,677
Roadway, 1000	Closed		$126.48	$126.72	0.2%	$ 126.72	299		$0	$37,784	$37,784		299	-	$0	$37,855	$37,855
Setback 250	Standard		$110.76	$111.00	0.2%	$ 111.00	5		$0	$554	$554		5	-	$0	$555	$555
Setback 400	Standard		$110.76	$111.00	0.2%	$ 111.00	-		$0	$0	$0		-	-	$0	$0	$0
Shoebox 70	Standard		$66.60	$66.72	0.2%	$ 66.72	-		$0	$0	$0		-	-	$0	$0	$0
Shoebox 100	Standard		$66.60	$66.72	0.2%	$ 66.72	4		$0	$266	$266		4	-	$0	$267	$267
Shoebox 150	Standard		$66.60	$66.72	0.2%	$ 66.72	425		$0	$28,305	$28,305		425	-	$0	$28,356	$28,356
Shoebox 250	Standard		$66.60	$66.72	0.2%	$ 66.72	237		$0	$15,756	$15,756		237	-	$0	$15,785	$15,785
Shoebox 400	Standard		$66.60	$66.72	0.2%	$ 66.72	126		$0	$8,414	$8,414		126	-	$0	$8,429	$8,429
Shoebox, 1000	Closed		$151.32	$151.68	0.2%	$151.68	16		$0	$2,421	$2,421		16	-	$0	$2,427	$2,427
Traditional 100	Standard		$49.32	$49.44	0.2%	$ 49.44	5,508		$0	$271,659	$271,659		5,508	-	$0	$272,320	$272,320
Traditional 150	Standard		$49.32	$49.44	0.2%	$ 49.44	313		$0	$15,445	$15,445		313	-	$0	$15,483	$15,483
Traditional 175	Standard		$49.32	$49.44	0.2%	$ 49.44	152		$0	$7,509	$7,509		152	-	$0	$7,527	$7,527
Traditional 70	Standard		$49.32	$49.44	0.2%	$ 49.44	1,819		$0	$89,730	$89,730		1,819	-	$0	$89,948	$89,948
Underpass 100	Standard		$85.08	$85.32	0.3%	$ 83.88	810		$0	$68,886	$68,886		810	-	$0	$69,081	$69,081
Underpass 150	Standard		$85.08	$85.32	0.3%	$ 83.88	162		$0	$13,804	$13,804		162	-	$0	$13,843	$13,843
Underpass 175	Standard		$85.08	$85.32	0.3%	$ 83.88	-		$0	$0	$0		-	-	$0	$0	$0
Underpass 250	Closed		$61.08	$61.20	0.2%	$ 83.88	64		$0	$3,894	$3,894		64	-	$0	$3,902	$3,902
Underpass 70	Standard		$85.08	$85.32	0.3%	$ 83.88	-		$0	$0	$0		-	-	$0	$0	$0
Washington (Armory Square) 100	Closed		$134.04	$134.40	0.3%	$134.40	187		$0	$25,065	$25,065		187	-	$0	$25,133	$25,133
Williamsville 100	Standard		$115.68	$115.92	0.2%	$ 115.92	182		$0	$21,015	$21,015		182	-	$0	$21,059	$21,059
Williamsville 150	Standard		$115.68	$115.92	0.2%	$ 115.92	392		$0	$45,308	$45,308		392	-	$0	$45,402	$45,402
Williamsville 175	Standard		$115.68	$115.92	0.2%	$ 115.92	882		$0	$102,059	$102,059		882	-	$0	$102,270	$102,270
Williamsville 70	Standard		$115.68	$115.92	0.2%	$ 115.92	102		$0	$11,799	$11,799		102	-	$0	$11,824	$11,824
POLES/STANDARDS																	
Standard/Pole > 16 ft - OH Service																	
Steel, anchor base	Closed		$178.68	$179.04	0.2%	$ 179.04	1,097		$0	$195,938	$195,938		1,097	-	$0	$196,332	$196,332
aluminum, anchor base	Closed		$178.68	$179.04	0.2%	$ 179.04	206		$0	$36,883	$36,883		206	-	$0	$36,957	$36,957
Concrete , DE - Metropolitan	Standard		$270.96	$271.56	0.2%		30		$0	$8,219	$8,219		30	-	$0	$8,237	$8,237
WoodPole			$0.00	$0.00			739		$0	$0	$0		739	-	$0	$0	$0
Standard > 16 ft for UG or URD Service																	
Aluminum, anchor base	Standard		$256.20	$256.80	0.2%	$ 256.80	5,294		$0	$1,356,259	$1,356,259		5,294	-	$0	$1,359,435	$1,359,435
Aluminum, anchor base, heavy duty	Standard		$256.20	$256.80	0.2%	$ 256.80	54		$0	$13,813	$13,813		54	-	$0	$13,846	$13,846

Case 17-E-0238
Appendix 2
Schedule 8.4b
Page 2 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 1 T&D rate 0.08646 | Leap Yr =1, NonLeapYr =0 | 1 | 33.1% | LED Facility % **0.1%**
Proposed T&D rate 0.08669 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.3%**
0.26% increase

Description	Rate Year 1 Facility Class	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Facility Revenue (j)	Rate Year 1 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
Aluminum, anchor base, square	Standard		$512.28	$513.48	0.2%		546		$0	$279,833	$279,833		546	-	$0	$280,488	$280,488
Fiberglass, anchor base	Standard		$173.04	$173.40	0.2%		303		$0	$52,431	$52,431		303	-	$0	$52,540	$52,540
steel, anchor base (50 ft round)	Closed		$324.36	$325.08	0.2%		8		$0	$2,595	$2,595		8	-	$0	$2,601	$2,601
steel, anchor base (35 ft square)	Closed		$183.84	$184.32	0.3%		13		$0	$2,390	$2,390		13	-	$0	$2,396	$2,396
steel, anchor base	Closed		$256.20	$256.80	0.2%	$ 256.80	2,764		$0	$708,201	$708,201		2,764	-	$0	$709,859	$709,859
steel, anchor base, heavy duty	Closed		$256.20	$256.80	0.2%	$ 256.80	14		$0	$3,587	$3,587		14	-	$0	$3,595	$3,595
steel, anchor base, traf signal, 1 arm	Obsolete		$479.40	$480.48	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
steel, AB, traf signal, >= 10 per unit	Obsolete		$1,018.56	$1,020.96	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, anchor base, Villager	Standard		$111.96	$112.20	0.2%	$ 112.20	883		$0	$98,879	$98,879		883	-	$0	$99,091	$99,091
Fiberglass, anchor base	Standard		$67.32	$67.44	0.2%		2,518		$0	$169,484	$169,484		2,518	-	$0	$169,786	$169,786
Fiberglass, direct embedded	Standard		$92.52	$92.76	0.3%		9,146		$0	$846,219	$846,219		9,146	-	$0	$848,414	$848,414
steel, anchor base	Closed		$111.96	$112.20	0.2%	$ 112.20	4,799		$0	$537,333	$537,333		4,799	-	$0	$538,485	$538,485
steel, direct embedded	Closed		$132.00	$132.36	0.3%		2,740		$0	$361,669	$361,669		2,740	-	$0	$362,655	$362,655
aluminum, anchor base (square)	Closed		$140.40	$140.76	0.3%		77		$0	$10,811	$10,811		77	-	$0	$10,839	$10,839
Decorative Standard																	
> 16 ft, for UG Service																	
Alum. AB Niagara Rdwy (no base)	Standard		$649.20	$650.76	0.2%		196		$0	$127,243	$127,243		196	-	$0	$127,549	$127,549
Decorative Standard																	
<= 16 ft, for UG or URD Service																	
Aluminum, AB, Armory Square	Standard		$336.12	$336.84	0.2%		820		$0	$275,478	$275,478		820	-	$0	$276,068	$276,068
Fiberglass, AB, Presidential	Standard		$156.84	$157.20	0.2%		2,424		$0	$380,141	$380,141		2,424	-	$0	$381,014	$381,014
Fiberglass, DE, Presidential	Standard		$230.40	$230.88	0.2%		109		$0	$25,114	$25,114		109	-	$0	$25,166	$25,166
aluminum, AB, Little Falls	Closed		$198.12	$198.60	0.2%		160		$0	$31,633	$31,633		160	-	$0	$31,710	$31,710
aluminum, AB, Winter Park	Closed		$311.28	$312.00	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
cast iron, AB, Armory Square	Closed		$373.56	$374.40	0.2%		50		$0	$18,678	$18,678		50	-	$0	$18,720	$18,720
Accessory																	
tenon mounting adaptor	Standard		$43.32	$43.44	0.3%		36		$0	$1,560	$1,560		36	-	$0	$1,564	$1,564
ARMS AND BRACKETS																	
Arm for Standard > 16ft																	
decorative, Niagara Pedestrian, single	Standard		$189.36	$189.84	0.3%		55		$0	$10,415	$10,415		55	-	$0	$10,441	$10,441
Arm for Standard <= 16ft																	
Dcr. crossarm, double, ornamental	Standard		$102.72	$102.96	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Dcr. crossarm, double, contemporary	Standard		$102.72	$102.96	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Dcr. crossarm, double, ornamental	Standard		$102.72	$102.96	0.2%		382		$0	$39,222	$39,222		382	-	$0	$39,314	$39,314
Dcr. (cane/scroll), alum., Little Falls	Closed		$110.76	$111.00	0.2%		72		$0	$7,975	$7,975		72	-	$0	$7,992	$7,992
Bracket for Wood Pole																	
decorative, Park Ave South, single	Standard		$105.60	$105.84	0.2%		322		$0	$33,968	$33,968		322	-	$0	$34,045	$34,045
décor., Metropolitan, all types/sizes	Standard		$70.44	$70.56	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
BASES																	
Decorative: Metropolitan Base	Standard		$151.68	$152.04	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Alum. Niagara Base	Standard		$288.84	$289.56	0.2%		58		$0	$16,753	$16,753		58	-	$0	$16,794	$16,794
FOUNDATIONS																	
Concrete - Cast-In-Place - for:																	
AB SD > 16 ft	Standard		$215.88	$216.36	0.2%		12,568		$0	$2,713,252	$2,713,252		12,568	-	$0	$2,719,285	$2,719,285
AB SD > 16 ft, heavy duty	Standard		$215.88	$216.36	0.2%		166		$0	$35,836	$35,836		166	-	$0	$35,916	$35,916
AB SD <= 16 ft	Standard		$215.88	$216.36	0.2%		6,536		$0	$1,410,938	$1,410,938		6,536	-	$0	$1,414,075	$1,414,075
AB SD > 16 ft, double size	Closed		$215.88	$216.36	0.2%		1		$0	$144	$144		1	-	$0	$144	$144
AB SD > 16 ft, extra heavy duty	Closed		$215.88	$216.36	0.2%		15		$0	$3,238	$3,238		15	-	$0	$3,245	$3,245
FD Conc Foundation	Standard		$215.88	$216.36	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
Concrete - Pre-Cast																	

Case 17-E-0238
Appendix 2
Schedule 8.4b
Page 3 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 1 T&D rate 0.08646 | Leap Yr =1, NonLeapYr =0 | 1 | 33.1% | LED Facility % **0.1%**
Proposed T&D rate 0.08669 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.3%**
0.26% increase

Description	Rate Year 1 Facility Class	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Facility Revenue (j)	Rate Year 1 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
for anchor base standard > 16 ft	Standard		$215.88	$216.36	0.2%		453		$0	$97,848	$97,848		453	-	$0	$98,065	$98,065
for anchor base standard <= 16 ft	Standard		$215.88	$216.36	0.2%		581		$0	$125,354	$125,354		581	-	$0	$125,633	$125,633
Mechanical - Screw Type																	
for AB standards, all applications	Obsolete		$110.28	$110.52	0.2%		10,038		$0	$1,107,037	$1,107,037		10,038	-	$0	$1,109,446	$1,109,446
CIRCUITRY																	
UG Service																	
cable and conduit	Standard		$118.44	$118.68	0.2%		19,310		$0	$2,287,067	$2,287,067		19,310	-	$0	$2,291,701	$2,291,701
cable only	Standard		$118.44	$118.68	0.2%		17,103		$0	$2,025,729	$2,025,729		17,103	-	$0	$2,029,833	$2,029,833
direct buried cable	Standard		$118.44	$118.68	0.2%		7,756		$0	$918,640	$918,640		7,756	-	$0	$920,502	$920,502
CR UG Circuit sect	Standard		$118.44	$118.68	0.2%		-		$0	$0	$0		-	-	$0	$0	$0
URD Service																	
direct buried cable	Standard		$88.20	$88.44	0.3%		13,179		$0	$1,162,425	$1,162,425		13,179	-	$0	$1,165,588	$1,165,588
CR URD Circuit sect	Standard		$88.20	$88.44	0.3%		-		$0	$0	$0		-	-	$0	$0	$0
CONVENIENCE OUTLETS																	
On New Metal/Composite Stnd	Standard		$53.52	$53.64	0.2%	$ 53.64	1,707		$0	$91,345	$91,345		1,707	-	$0	$91,550	$91,550
On Existing Metal/Composite Stnd	Standard		$53.52	$53.64	0.2%	$ 53.64	361		$0	$19,343	$19,343		361	-	$0	$19,386	$19,386
On Any Wood Pole	Standard		$53.52	$53.64	0.2%	$ 53.64	809		$0	$43,311	$43,311		809	-	$0	$43,408	$43,408
Festoon Outlet - Old	Obsolete		$5.52	$5.52	0.0%		60		$0	$331	$331		60	-	$0	$331	$331
SURV CAMERA ATTACH							3		$0	$0	$0		3	-	$0	$0	$0
L E D																	
LL Roadway LED-A	Standard	0	$0.00	$0.00	#DIV/0!	$0.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LL Roadway LED-B	Standard	25	$83.88	$84.00	0.1%	$84.00	16,086	1,676,937	$144,992	$1,349,271	$1,494,263	347.50	16,086	1,676,937	$145,374	$1,351,201	$1,496,575
LL Roadway LED-C	Standard	48	$88.68	$88.80	0.1%	$88.80	15,137	3,029,841	$261,968	$1,342,358	$1,604,325	347.50	15,137	3,029,841	$262,657	$1,344,174	$1,606,831
LL Roadway LED-D	Standard	96	$110.28	$110.40	0.1%	$110.40	5,963	2,387,018	$206,388	$657,575	$863,963	347.50	5,963	2,387,018	$206,931	$658,290	$865,221
LL Roadway LED-E	Standard	0	$0.00	$0.00	#DIV/0!	$0.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LL Roadway LED-F	Standard	210	$119.28	$119.40	0.1%	$119.40	1,454	1,273,618	$110,120	$173,481	$283,601	347.50	1,454	1,273,618	$110,410	$173,655	$284,065
				Annual S.C. 2 Non Price Exception Usage and Revenue				140,280,560	$12,129,009	$35,708,765	$47,837,774			140,280,560	$12,160,922	$35,781,449	$47,942,371
				* Annual S.C.2 Price Exception Usage and Revenue				71,610	$6,192	$723,700	$729,892			71,610	$6,208	$737,440	$743,648
							Annual S.C. 2 Total	**140,352,171**	**$12,135,201**	**$36,432,465**	**$48,567,666**			**140,352,171**	**$12,167,130**	**$36,518,889**	**$48,686,019**
									12,306,351	36,437,021							

New Facility additions (no billed quantities)

24 HR - LL Roadway LED-B	Standard	$ 176.46
24 HR - LL Roadway LED-C	Standard	$ 186.54
24 HR - LL Roadway LED-D	Standard	$ 231.92
24 HR - LL Roadway LED-F	Standard	$ 250.83

		'No PE Phase-Out to Retail	
TARGET REVENUE	$12,167,109	**$36,523,886**	$48,690,995
PROPOSED MINUS TARGET	$21	-$4,997	-$4,976
		-0.014%	
		Error due to Tariff Rate rounding	

Case 17-E-0238
Appendix 2
Schedule 8.4b
Page 4 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
AMHERST CENTRAL SCHOOL D	FD Concrete >16'	5,243,017,740		216.36	$69.08	$70.39	1.9%	4	-	$0	$276	$276		4	-	$0	$282	$282
AMHERST CENTRAL SCHOOL D	CR UG Cable & Cndt	4,356,054,170		118.68	$108.51	$110.57	1.9%	4	-	$0	$434	$434		4	-	$0	$442	$442
								Subtotal:	-	$0	$710	$710		Subtotal:	-	$0	$724	$724
CHAUTAUQUA UTILITY DIST	LL Open IN 1000	8,975,335,963	103	82.01508271	$81.80	$83.35	1.9%	62.2	26,702	$2,309	$5,085	$7,394	347.50	62	26,702	$2,315	$5,182	$7,496
CHAUTAUQUA UTILITY DIST	PL Wood OH	6,131,161,511		28.95593629	$28.88	$29.43	1.9%	77.5	-	$0	$2,238	$2,238		78	-	$0	$2,281	$2,281
								Subtotal:	26,702	$2,309	$7,323	$9,632		Subtotal:	26,702	$2,315	$7,462	$9,777
CITY OF BUFFALO	FD Concrete =<16'	6,046,143,561		216.36	$33.91	$34.55	1.9%	17.0	-	$0	$576	$576		17	-	$0	$587	$587
CITY OF BUFFALO	FD Concrete =<16'	8,938,042,980		216.36	$27.68	$28.20	1.9%	25.3	-	$0	$701	$701		25	-	$0	$714	$714
CITY OF BUFFALO	FD Concrete =<16'	9,147,825,578		216.36	$13.77	$14.03	1.9%	14.8	-	$0	$203	$203		15	-	$0	$207	$207
CITY OF BUFFALO	FD Concrete >16'	220,850,408		216.36	$45.44	$46.30	1.9%	605.6	-	$0	$27,518	$27,518		606	-	$0	$28,039	$28,039
CITY OF BUFFALO	FD Concrete >16'	1,461,426,714		216.36	$57.58	$58.67	1.9%	123.8	-	$0	$7,126	$7,126		124	-	$0	$7,260	$7,260
CITY OF BUFFALO	FD Concrete >16'	1,789,300,004		216.36	$35.14	$35.81	1.9%	583.6	-	$0	$20,507	$20,507		584	-	$0	$20,898	$20,898
CITY OF BUFFALO	FD Concrete >16'	5,017,348,183		216.36	$50.91	$51.88	1.9%	1034.7	-	$0	$52,675	$52,675		1,035	-	$0	$53,679	$53,679
CITY OF BUFFALO	CR UG Cable & Cndt	2,127,072,470		118.68	$90.45	$92.17	1.9%	124.3	-	$0	$11,246	$11,246		124	-	$0	$11,460	$11,460
CITY OF BUFFALO	CR UG Cable & Cndt	4,159,199,691		118.68	$90.30	$92.01	1.9%	17.0	-	$0	$1,535	$1,535		17	-	$0	$1,564	$1,564
CITY OF BUFFALO	CR UG Cable & Cndt	4,571,348,813		118.68	$44.86	$45.71	1.9%	2274.7	-	$0	$102,042	$102,042		2,275	-	$0	$103,975	$103,975
CITY OF BUFFALO	CR UG Cable & Cndt	5,953,826,738		118.68	$55.20	$56.25	1.9%	575.2	-	$0	$31,749	$31,749		575	-	$0	$32,353	$32,353
CITY OF BUFFALO	CR UG Cable & Cndt	688,009,980		118.68	$34.61	$35.27	1.9%	15.5	-	$0	$536	$536		16	-	$0	$547	$547
CITY OF BUFFALO	CR UG Cable & Cndt	9,423,276,332		118.68	$95.86	$97.68	1.9%	1168.6	-	$0	$112,020	$112,020		1,169	-	$0	$114,147	$114,147
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt	9,750,049,700		118.68	$44.86	$45.71	1.9%	9.0	-	$0	$404	$404		9	-	$0	$411	$411
								Subtotal:	-	$0	$368,838	$368,838		Subtotal:	-	$0	$375,842	$375,842
CITY OF SCHENECTADY	LL Enclosed IN <2500	2,514,003,640	202	97.32	$42.87	$43.68	1.9%	24	20,217	$1,748	$1,029	$2,777	347.50	24	20,217	$1,753	$1,048	$2,801
CITY OF SCHENECTADY	SD Steel =<16' AB PT	9,057,251,892		112.2	$23.63	$24.08	1.9%	24	-	$0	$567	$567		24	-	$0	$578	$578
CITY OF SCHENECTADY	FD Concrete =<16'	119,391,034		216.36	$33.72	$34.36	1.9%	24	-	$0	$809	$809		24	-	$0	$825	$825
CITY OF SCHENECTADY	CR UG Cable & Cndt	923,523,835		118.68	$90.31	$92.02	1.9%	24	-	$0	$2,167	$2,167		24	-	$0	$2,208	$2,208
								Subtotal:	20,217	$1,748	$4,573	$6,321		Subtotal:	20,217	$1,753	$4,659	$6,412
CITY OF SYRACUSE DPW	SD Steel =<16' AB PT	3,793,634,146		112.2	$15.13	$15.42	1.9%	495.0	-	$0	$7,489	$7,489		495	-	$0	$7,633	$7,633
CITY OF SYRACUSE DPW	SD Steel >16' AB	7,967,450,484		256.8	$60.08	$61.22	1.9%	11.0	-	$0	$661	$661		11	-	$0	$673	$673
CITY OF SYRACUSE DPW	SD Alum Armory Sq AB	6,396,732,077		336.84	$15.13	$15.42	1.9%	1.0	-	$0	$15	$15		1	-	$0	$15	$15
CITY OF SYRACUSE DPW	FD Concrete =<16'	3,332,548,425		216.36	$21.64	$22.05	1.9%	503.0	-	$0	$10,885	$10,885		503	-	$0	$11,091	$11,091
CITY OF SYRACUSE DPW	FD Concrete =<16'	9,725,348,453		216.36	$22.20	$22.62	1.9%	51.0	-	$0	$1,132	$1,132		51	-	$0	$1,154	$1,154
CITY OF SYRACUSE DPW	FD Concrete >16'	2,434,895,558		216.36	$93.02	$94.78	1.9%	11.0	-	$0	$1,023	$1,023		11	-	$0	$1,043	$1,043
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	752,702,727		118.68	$62.21	$63.39	1.9%	510.3	-	$0	$31,743	$31,743		510	-	$0	$32,345	$32,345
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	8,032,131,921		118.68	$59.12	$60.24	1.9%	48.6	-	$0	$2,872	$2,872		49	-	$0	$2,927	$2,927
								Subtotal:	-	$0	$55,821	$55,821		Subtotal:	-	$0	$56,880	$56,880
CITY OF UTICA DPW	LL Enclosed IN 4000	805,054,350	327	100.32	$39.98	$40.74	1.9%	8	10,909	$943	$320	$1,263	347.50	8	10,909	$946	$326	$1,272
CITY OF UTICA DPW	SD Steel >16' AB	8,996,557,075		256.8	$38.37	$39.10	1.9%	8	-	$0	$307	$307		8	-	$0	$313	$313
CITY OF UTICA DPW	FD Concrete >16'	2,978,195,981		216.36	$59.40	$60.53	1.9%	8	-	$0	$475	$475		8	-	$0	$484	$484
CITY OF UTICA DPW	CR UG Cable & Cndt	8,212,261,222		118.68	$93.37	$95.14	1.9%	8	-	$0	$747	$747		8	-	$0	$761	$761
								Subtotal:	10,909	$943	$1,849	$2,792		Subtotal:	10,909	$946	$1,884	$2,830
MUSUEM OF SCIENCE & TEC	FD Concrete =<16'	9,761,380,833		216.36	$37.67	$38.38	1.9%	4	-	$0	$151	$151		4	-	$0	$154	$154
MUSUEM OF SCIENCE & TEC	CR UG Cable & Cndt	6,113,511,345		118.68	$144.35	$147.09	1.9%	4	-	$0	$577	$577		4	-	$0	$588	$588
								Subtotal:	-	$0	$728	$728		Subtotal:	-	$0	$742	$742
TOWN OF AMHERST	CR UG Cable & Cndt	1,198,891,209		118.68	$71.53	$72.89	1.9%	37	-	$0	$2,647	$2,647		37	-	$0	$2,697	$2,697
TOWN OF AMHERST	CR UG Cable & Cndt	40,907,619		118.68	$71.53	$72.89	1.9%	26	-	$0	$1,860	$1,860		26	-	$0	$1,895	$1,895
TOWN OF AMHERST	CR UG Cable & Cndt	8,598,118,892		118.68	$71.53	$72.89	1.9%	17	-	$0	$1,216	$1,216		17	-	$0	$1,239	$1,239
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,621,896		118.68	$71.53	$72.89	1.9%	239	-	$0	$17,096	$17,096		239	-	$0	$17,421	$17,421
TOWN OF AMHERST	FD Concrete =<16'	5,059,173,002		216.36	$30.38	$30.96	1.9%	4	-	$0	$122	$122		4	-	$0	$124	$124
TOWN OF AMHERST	CR UG Cable & Cndt	159,784,008		118.68	$80.91	$82.44	1.9%	4	-	$0	$324	$324		4	-	$0	$330	$330
TOWN OF AMHERST	CR UG Cable & Cndt	4,693,984,849		118.68	$71.53	$72.89	1.9%	28	-	$0	$2,003	$2,003		28	-	$0	$2,041	$2,041
TOWN OF AMHERST	CR UG Cable & Cndt	5,186,832,478		118.68	$71.53	$72.89	1.9%	74	-	$0	$5,293	$5,293		74	-	$0	$5,394	$5,394
TOWN OF AMHERST	CR UG Cable & Cndt	8,553,921,449		118.68	$71.53	$72.89	1.9%	21	-	$0	$1,502	$1,502		21	-	$0	$1,531	$1,531
TOWN OF AMHERST	CR UG Cable & Cndt	6,092,628,736		118.68	$71.53	$72.89	1.9%	16	-	$0	$1,144	$1,144		16	-	$0	$1,166	$1,166
TOWN OF AMHERST	CR UG Cable & Cndt	8,019,098,590		118.68	$71.53	$72.89	1.9%	8	-	$0	$572	$572		8	-	$0	$583	$583

Case 17-E-0238
Appendix 2
Schedule 8.5b
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	3,826,074,801		118.68	$71.53	$72.89	1.9%	6	-	$0	$429	$429		6	-	$0	$437	$437
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224,592		118.68	$71.53	$72.89	1.9%	20	-	$0	$1,431	$1,431		20	-	$0	$1,458	$1,458
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658		118.68	$71.53	$72.89	1.9%	17	-	$0	$1,216	$1,216		17	-	$0	$1,239	$1,239
TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941		118.68	$71.53	$72.89	1.9%	21	-	$0	$1,502	$1,502		21	-	$0	$1,531	$1,531
TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911,599		118.68	$71.53	$72.89	1.9%	14	-	$0	$1,001	$1,001		14	-	$0	$1,020	$1,020
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749		118.68	$71.53	$72.89	1.9%	29	-	$0	$2,074	$2,074		29	-	$0	$2,114	$2,114
TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157,341		118.68	$71.53	$72.89	1.9%	22	-	$0	$1,574	$1,574		22	-	$0	$1,604	$1,604
TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291,823		118.68	$71.53	$72.89	1.9%	2	-	$0	$143	$143		2	-	$0	$146	$146
TOWN OF AMHERST	FD Concrete >16'	3,598,117,791		216.36	$30.38	$30.96	1.9%	20	-	$0	$608	$608		20	-	$0	$619	$619
TOWN OF AMHERST	CR UG Cable & Cndt	959,770,108		118.68	$80.91	$82.44	1.9%	20	-	$0	$1,618	$1,618		20	-	$0	$1,649	$1,649
TOWN OF AMHERST	FD Concrete >16'	1,186,852,478		216.36	$30.38	$30.96	1.9%	13	-	$0	$395	$395		13	-	$0	$402	$402
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205		118.68	$80.91	$82.44	1.9%	13	-	$0	$1,052	$1,052		13	-	$0	$1,072	$1,072
TOWN OF AMHERST	FD Concrete >16'	5,321,916,719		216.36	$30.38	$30.96	1.9%	37	-	$0	$1,124	$1,124		37	-	$0	$1,146	$1,146
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464		118.68	$80.91	$82.44	1.9%	37	-	$0	$2,994	$2,994		37	-	$0	$3,050	$3,050
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947		118.68	$71.53	$72.89	1.9%	22	-	$0	$1,574	$1,574		22	-	$0	$1,604	$1,604
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419		118.68	$71.53	$72.89	1.9%	23	-	$0	$1,645	$1,645		23	-	$0	$1,676	$1,676
TOWN OF AMHERST	FD Concrete >16'	3,178,546,595		216.36	$30.38	$30.96	1.9%	10	-	$0	$304	$304		10	-	$0	$310	$310
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318		118.68	$80.91	$82.44	1.9%	10	-	$0	$809	$809		10	-	$0	$824	$824
TOWN OF AMHERST	FD Concrete >16'	5,423,709,947		216.36	$30.38	$30.96	1.9%	15	-	$0	$456	$456		15	-	$0	$464	$464
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458,974		118.68	$80.91	$82.44	1.9%	15	-	$0	$1,214	$1,214		15	-	$0	$1,237	$1,237
TOWN OF AMHERST	FD Concrete >16'	2,973,199,251		216.36	$30.38	$30.96	1.9%	5	-	$0	$152	$152		5	-	$0	$155	$155
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411,684		118.68	$80.91	$82.44	1.9%	5	-	$0	$405	$405		5	-	$0	$412	$412
TOWN OF AMHERST	FD Concrete >16'	8,626,110,861		216.36	$30.38	$30.96	1.9%	5	-	$0	$152	$152		5	-	$0	$155	$155
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905		118.68	$80.91	$82.44	1.9%	5	-	$0	$405	$405		5	-	$0	$412	$412
TOWN OF AMHERST	FD Concrete =<16'	9,002,641,036		216.36	$30.38	$30.96	1.9%	32	-	$0	$972	$972		32	-	$0	$991	$991
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700		118.68	$80.91	$82.44	1.9%	32	-	$0	$2,589	$2,589		32	-	$0	$2,638	$2,638
TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406,914		118.68	$71.53	$72.89	1.9%	50	-	$0	$3,577	$3,577		50	-	$0	$3,645	$3,645
TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221		118.68	$71.53	$72.89	1.9%	18	-	$0	$1,288	$1,288		18	-	$0	$1,312	$1,312
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974		118.68	$71.53	$72.89	1.9%	19	-	$0	$1,359	$1,359		19	-	$0	$1,385	$1,385
TOWN OF AMHERST	FD Concrete >16'	2,449,189,902		216.36	$30.38	$30.96	1.9%	17	-	$0	$516	$516		17	-	$0	$526	$526
TOWN OF AMHERST	CR UG Cable & Cndt	8,593,764,057		118.68	$80.91	$82.44	1.9%	17	-	$0	$1,375	$1,375		17	-	$0	$1,401	$1,401
TOWN OF AMHERST	CR UG Cable Only	5,055,312,853		118.68	$17.62	$17.95	1.9%	36	-	$0	$634	$634		36	-	$0	$646	$646
TOWN OF AMHERST	FD Concrete >16'	681,267,422		216.36	$30.38	$30.96	1.9%	10	-	$0	$304	$304		10	-	$0	$310	$310
TOWN OF AMHERST	CR UG Cable & Cndt	2,044,788,767		118.68	$80.91	$82.44	1.9%	10	-	$0	$809	$809		10	-	$0	$824	$824
TOWN OF AMHERST	CR UG Cable & Cndt	5,036,500,765		118.68	$71.53	$72.89	1.9%	13	-	$0	$930	$930		13	-	$0	$948	$948
TOWN OF AMHERST	FD Concrete =<16'	4,344,224,942		216.36	$30.38	$30.96	1.9%	11	-	$0	$334	$334		11	-	$0	$341	$341
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664		118.68	$80.91	$82.44	1.9%	11	-	$0	$890	$890		11	-	$0	$907	$907
TOWN OF AMHERST	FD Concrete >16'	9,864,202,652		216.36	$30.38	$30.96	1.9%	7	-	$0	$213	$213		7	-	$0	$217	$217
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395		118.68	$80.91	$82.44	1.9%	7	-	$0	$566	$566		7	-	$0	$577	$577
TOWN OF AMHERST	FD Concrete >16'	2,270,561,615		216.36	$30.38	$30.96	1.9%	9	-	$0	$273	$273		9	-	$0	$279	$279
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213,912		118.68	$80.91	$82.44	1.9%	9	-	$0	$728	$728		9	-	$0	$742	$742
TOWN OF AMHERST	FD Concrete >16'	7,381,334,533		216.36	$30.38	$30.96	1.9%	5	-	$0	$152	$152		5	-	$0	$155	$155
TOWN OF AMHERST	CR UG Cable & Cndt	1,791,555,525		118.68	$80.91	$82.44	1.9%	5	-	$0	$405	$405		5	-	$0	$412	$412
TOWN OF AMHERST	FD Concrete >16'	6,591,623,476		216.36	$30.38	$30.96	1.9%	8	-	$0	$243	$243		8	-	$0	$248	$248
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756		118.68	$80.91	$82.44	1.9%	8	-	$0	$647	$647		8	-	$0	$660	$660
TOWN OF AMHERST	FD Concrete >16' HD	9,519,818,398		216.36	$30.38	$30.96	1.9%	24	-	$0	$729	$729		24	-	$0	$743	$743
TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416,544		118.68	$80.91	$82.44	1.9%	24	-	$0	$1,942	$1,942		24	-	$0	$1,979	$1,979
TOWN OF AMHERST	FD Concrete >16'	7,972,790,067		216.36	$30.38	$30.96	1.9%	11	-	$0	$334	$334		11	-	$0	$341	$341
TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796		118.68	$80.91	$82.44	1.9%	11	-	$0	$890	$890		11	-	$0	$907	$907
TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413		216.36	$30.38	$30.96	1.9%	5	-	$0	$152	$152		5	-	$0	$155	$155
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922		118.68	$80.91	$82.44	1.9%	5	-	$0	$405	$405		5	-	$0	$412	$412
TOWN OF AMHERST	FD Concrete >16' HD	9,372,436,534		216.36	$30.38	$30.96	1.9%	21	-	$0	$638	$638		21	-	$0	$650	$650
TOWN OF AMHERST	CR UG Cable & Cndt	7,342,014,920		118.68	$80.91	$82.44	1.9%	21	-	$0	$1,699	$1,699		21	-	$0	$1,731	$1,731
TOWN OF AMHERST	FD Concrete >16'	7,006,920,700		216.36	$30.38	$30.96	1.9%	10	-	$0	$304	$304		10	-	$0	$310	$310
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282,972		118.68	$80.91	$82.44	1.9%	10	-	$0	$809	$809		10	-	$0	$824	$824
TOWN OF AMHERST	FD Concrete >16'	3,388,225,492		216.36	$30.38	$30.96	1.9%	15	-	$0	$456	$456		15	-	$0	$464	$464
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665,596		118.68	$80.91	$82.44	1.9%	15	-	$0	$1,214	$1,214		15	-	$0	$1,237	$1,237
TOWN OF AMHERST	FD Concrete >16'	7,841,872,428		216.36	$30.38	$30.96	1.9%	7	-	$0	$213	$213		7	-	$0	$217	$217
TOWN OF AMHERST	CR UG Cable & Cndt	3,961,986,629		118.68	$80.91	$82.44	1.9%	7	-	$0	$566	$566		7	-	$0	$577	$577
TOWN OF AMHERST	FD Concrete >16'	7,059,792,008		216.36	$30.38	$30.96	1.9%	14	-	$0	$425	$425		14	-	$0	$433	$433
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963,339		118.68	$80.91	$82.44	1.9%	14	-	$0	$1,133	$1,133		14	-	$0	$1,154	$1,154
TOWN OF AMHERST	FD Concrete >16' HD	7,282,929,339		216.36	$30.38	$30.96	1.9%	5	-	$0	$152	$152		5	-	$0	$155	$155

Case 17-E-0238
Appendix 2
Schedule 8.5b
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415,574		118.68	$80.91	$82.44	1.9%	5	-	$0	$405	$405		5	-	$0	$412	$412
TOWN OF AMHERST	FD Concrete >16'	8,235,648,956		216.36	$30.38	$30.96	1.9%	6	-	$0	$182	$182		6	-	$0	$186	$186
TOWN OF AMHERST	CR UG Cable & Cndt	5,687,709,387		118.68	$80.91	$82.44	1.9%	6	-	$0	$485	$485		6	-	$0	$495	$495
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657		216.36	$30.38	$30.96	1.9%	8	-	$0	$243	$243		8	-	$0	$248	$248
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374		118.68	$80.91	$82.44	1.9%	8	-	$0	$647	$647		8	-	$0	$660	$660
TOWN OF AMHERST	FD Concrete =<16'	1,744,000,650		216.36	$30.38	$30.96	1.9%	35	-	$0	$1,063	$1,063		35	-	$0	$1,084	$1,084
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952		118.68	$80.91	$82.44	1.9%	35	-	$0	$2,832	$2,832		35	-	$0	$2,885	$2,885
TOWN OF AMHERST	FD Concrete >16'	5,972,606,736		216.36	$30.38	$30.96	1.9%	9	-	$0	$273	$273		9	-	$0	$279	$279
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549		118.68	$80.91	$82.44	1.9%	9	-	$0	$728	$728		9	-	$0	$742	$742
TOWN OF AMHERST	FD Concrete >16'	5,707,647,186		216.36	$30.38	$30.96	1.9%	3	-	$0	$91	$91		3	-	$0	$93	$93
TOWN OF AMHERST	CR UG Cable & Cndt	1,733,286,442		118.68	$80.91	$82.44	1.9%	3	-	$0	$243	$243		3	-	$0	$247	$247
TOWN OF AMHERST	FD Concrete >16'	5,299,394,404		216.36	$30.38	$30.96	1.9%	3	-	$0	$91	$91		3	-	$0	$93	$93
TOWN OF AMHERST	CR UG Cable & Cndt	451,736,027		118.68	$80.91	$82.44	1.9%	3	-	$0	$243	$243		3	-	$0	$247	$247
TOWN OF AMHERST	FD Concrete =<16'	5,185,829,268		216.36	$30.38	$30.96	1.9%	8	-	$0	$243	$243		8	-	$0	$248	$248
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207		118.68	$80.91	$82.44	1.9%	8	-	$0	$647	$647		8	-	$0	$660	$660
TOWN OF AMHERST	FD Concrete >16'	3,848,447,984		216.36	$30.38	$30.96	1.9%	6	-	$0	$182	$182		6	-	$0	$186	$186
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071		118.68	$80.91	$82.44	1.9%	6	-	$0	$485	$485		6	-	$0	$495	$495
TOWN OF AMHERST	FD Concrete =<16'	3,498,700,697		216.36	$30.38	$30.96	1.9%	14	-	$0	$425	$425		14	-	$0	$433	$433
TOWN OF AMHERST	CR UG Cable & Cndt	8,033,986,839		118.68	$80.91	$82.44	1.9%	14	-	$0	$1,133	$1,133		14	-	$0	$1,154	$1,154
TOWN OF AMHERST	FD Concrete >16'	2,544,525,945		216.36	$30.38	$30.96	1.9%	6	-	$0	$182	$182		6	-	$0	$186	$186
TOWN OF AMHERST	CR UG Cable & Cndt	9,330,884,808		118.68	$80.91	$82.44	1.9%	6	-	$0	$485	$485		6	-	$0	$495	$495
TOWN OF AMHERST	FD Concrete >16'	9,310,077,600		216.36	$30.38	$30.96	1.9%	13	-	$0	$395	$395		13	-	$0	$402	$402
TOWN OF AMHERST	CR UG Cable & Cndt	1,411,177,711		118.68	$80.91	$82.44	1.9%	13	-	$0	$1,052	$1,052		13	-	$0	$1,072	$1,072
TOWN OF AMHERST	FD Concrete >16'	128,925,989		216.36	$30.38	$30.96	1.9%	12	-	$0	$365	$365		12	-	$0	$372	$372
TOWN OF AMHERST	CR UG Cable & Cndt	3,924,127,941		118.68	$80.91	$82.44	1.9%	12	-	$0	$971	$971		12	-	$0	$989	$989
								Subtotal:	-	$0	$103,011	$103,011		Subtotal:	-	$0	$104,967	$104,967
TOWN OF QUEENSBURY	SD Steel =<16' AB PT	8,546,322,273		112.2	$31.37	$31.96	1.9%	26	-	$0	$816	$816		26	-	$0	$831	$831
TOWN OF QUEENSBURY	FD Concrete =<16'	7,441,083,920		216.36	$44.89	$45.74	1.9%	26	-	$0	$1,167	$1,167		26	-	$0	$1,189	$1,189
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482		118.68	$119.79	$122.06	1.9%	26	-	$0	$3,115	$3,115		26	-	$0	$3,174	$3,174
								Subtotal:	-	$0	$5,097	$5,097		Subtotal:	-	$0	$5,194	$5,194
TOWN OF TONAWANDA	CR UG Cable & Cndt	1,344,984,259		118.68	$77.37	$78.84	1.9%	249	-	$0	$19,226	$19,226		249	-	$0	$19,592	$19,592
TOWN OF TONAWANDA	CR UG Cable & Cndt	7,484,500,155		118.68	$76.29	$77.74	1.9%	905	-	$0	$69,062	$69,062		905	-	$0	$70,374	$70,374
TOWN OF TONAWANDA	FD Concrete =<16'	7,461,048,530		216.36	$28.65	$29.19	1.9%	907	-	$0	$25,983	$25,983		907	-	$0	$26,473	$26,473
TOWN OF TONAWANDA	CR EF Cbl & Cndt/ft	9,165,906,069		0.100262937	$0.10	$0.10	0.0%	149	-	$0	$15	$15		149	-	$0	$15	$15
TOWN OF TONAWANDA	FD Concrete >16'	2,916,555,365		216.36	$25.24	$25.72	1.9%	1	-	$0	$19	$19		1	-	$0	$19	$19
								Subtotal:	-	$0	$114,286	$114,286		Subtotal:	-	$0	$116,454	$116,454
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524		118.68	$47.82	$48.73	1.9%	1048	-	$0	$50,123	$50,123		1,048	-	$0	$51,077	$51,077
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850	103	90.38703797	$90.15	$91.86	1.9%	30	12,922	$1,117	$2,712	$3,829	347.50	30	12,922	$1,120	$2,763	$3,884
VILLAGE OF KINDERHOOK	LL Open IN 1000	6,254,715,057	103	32.15432399	$32.07	$32.68	1.9%	2	860	$74	$64	$138	347.50	2	860	$75	$65	$140
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445,634		118.68	$67.52	$68.80	1.9%	2	-	$0	$135	$135		2	-	$0	$138	$138
								Subtotal:	13,782	$1,192	$2,911	$4,103		Subtotal:	13,782	$1,195	$2,966	$4,161
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706		118.68	$82.03	$83.59	1.9%	103	-	$0	$8,429	$8,429		103	-	$0	$8,589	$8,589
							*** Annual Total From Above**		**71,610**	**$6,192**	**$723,700**	**$729,892**			**71,610**	**$6,208**	**$737,440**	**$743,648**
																Increase	**$13,740**	

Case 17-E-0238
Appendix 2
Schedule 8.5b
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 1 T&D rate 0.05935
Proposed T&D rate 0.05951
0.26% increase

Increase 0.3%

Description	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
Non-contract S.C. 3 Accounts																	
(Customer owned & maintained)	EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	1,461,537	648,922	$38,516	$0	$38,516			648,922	$38,617	$0	$38,617
							1,467,763	559,218	$33,192	$0	$33,192			559,218	$33,279	$0	$33,279
							1,467,763	531,330	$31,537	$0	$31,537			531,330	$31,619	$0	$31,619
							1,467,763	447,668	$26,571	$0	$26,571			447,668	$26,641	$0	$26,641
							1,467,634	403,599	$23,955	$0	$23,955			403,599	$24,018	$0	$24,018
							1,467,634	361,038	$21,429	$0	$21,429			361,038	$21,485	$0	$21,485
							1,465,491	386,890	$22,963	$0	$22,963			386,890	$23,024	$0	$23,024
							1,469,509	442,322	$26,254	$0	$26,254			442,322	$26,323	$0	$26,323
							1,474,269	492,406	$29,226	$0	$29,226			492,406	$29,303	$0	$29,303
							1,475,419	579,840	$34,416	$0	$34,416			579,840	$34,506	$0	$34,506
							1,475,669	621,257	$36,874	$0	$36,874			621,257	$36,971	$0	$36,971
							1,475,744	674,415	$40,029	$0	$40,029			674,415	$40,134	$0	$40,134
Contract S.C.3 Account																	
(S.C. 3 T&D rate per contract. No facility charge unless a Company-procured new facility - then, S.C. 2 price)																	
LAMPS																	
High Pressure Sodium																	
70W	LP HS 70	9999999990	86	$0.00	$0.00	0.00%	4	1,440	$85	$0	$85	347.50	4	1,440	$86	$0	$86
100W	LP HS 100	9999999991	118	$0.00	$0.00	0.00%	64	31,488	$1,869	$0	$1,869	347.50	64	31,488	$1,874	$0	$1,874
150W	LP HS 150	9999999992	173	$0.00	$0.00	0.00%	731	527,352	$31,301	$0	$31,301	347.50	731	527,352	$31,383	$0	$31,383
250W	LP HS 250	9999999993	304	$0.00	$0.00	0.00%	1756	2,226,048	$132,125	$0	$132,125	347.50	1,756	2,226,048	$132,472	$0	$132,472
400W	LP HS 400	9999999981	470	$0.00	$0.00	0.00%	21	41,160	$2,443	$0	$2,443	347.50	21	41,160	$2,449	$0	$2,449
100W	LP HS 100	0	118	$7.08	$8.04	13.56%	25	12,300	$730	$177	$907	347.50	25	12,300	$732	$201	$933
Metal Halide																	
175W	LP MH 175	0	207	$0.00	$55.56	0.00%	2	1,728	$103	$0	$103	347.50	2	1,728	$103	$111	$214
400W	LP MH 400	8139419394	451	$0.00	$0.00	0.00%	11	20,688	$1,228	$0	$1,228	347.50	11	20,688	$1,231	$0	$1,231
Mercury Vapor																	
175W	LP MV 175	9999999980	211	$0.00	$0.00	0.00%	24	21,336	$1,266	$0	$1,266	347.50	24	21,336	$1,270	$0	$1,270
LUMINAIRES																	
Arch. (style unknown) 150/175	LM Arch 150/175	9999999975		$0.00	$0.00	0.00%	14		$0	$0	$0		14		$0	$0	$0
Arch. (style unknown) 70/100	LM Arch 70/100	9999999976		$0.00	$0.00	0.00%	19		$0	$0	$0		19		$0	$0	$0
Edgewater 150	LM Edgewater 150	9999999982		$0.00	$0.00	0.00%	730		$0	$0	$0		730		$0	$0	$0
Little Falls - Teardrop, 70	LM Little Fall TD 70	9999999999		$0.00	$0.00	0.00%	6		$0	$0	$0		6		$0	$0	$0
Roadway 70	LM Roadway 70	9999999979		$0.00	$0.00	0.00%	4		$0	$0	$0		4		$0	$0	$0
Roadway 150	LM Roadway 150	9999999978		$0.00	$0.00	0.00%	2		$0	$0	$0		2		$0	$0	$0
Roadway 250	LM Roadway 250	9999999977		$0.00	$0.00	0.00%	1763		$0	$0	$0		1,763		$0	$0	$0
Roadway 400	LM Roadway 400	8353362633		$0.00	$0.00	0.00%	11		$0	$0	$0		11		$0	$0	$0
LM Aspen Grove 100	LM Aspen Grove 100	0		$103.92	$101.04	-2.77%	25		$0	$2,598	$2,598		25		$0	$2,526	$2,526
	SD Alum Armory Sq AB	9043788437		$0.00	$0.00	0.00%	1		$0	$0	$0		1		$0	$0	$0
	LM Roadway 175	9999999969		$0.00	$0.00	0.00%	2		$0	$0	$0		2		$0	$0	$0
	LM Roadway 400	9999999970		$0.00	$0.00	0.00%	18		$0	$0	$0		18		$0	$0	$0
	LM Aspen Grove 100	9999999971		$0.00	$0.00	0.00%	28		$0	$0	$0		28		$0	$0	$0
	LM Traditional 100	9999999972		$0.00	$0.00	0.00%	20		$0	$0	$0		20		$0	$0	$0
	LM Contemporary 175	9999999973		$0.00	$0.00	0.00%	15		$0	$0	$0		15		$0	$0	$0
POLES/STANDARDS																	
Wood Pole, 1 Span	PL Wood OH =< 1SP	9999999983		$0.00	$0.00	0.00%	3		$0	$0	$0		3		$0	$0	$0
Standard > 16 ft for UG or URD Service																	
Aluminum, anchor base	SD Alum >16' AB	9999999986		$0.00	$0.00	0.00%	223		$0	$0	$0		223		$0	$0	$0
steel, anchor base	SD Steel >16' AB	9999999984		$0.00	$0.00	0.00%	31		$0	$0	$0		31		$0	$0	$0

Case 17-E-0238
Appendix 2
Schedule 8.6b
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 1 T&D rate 0.05935
Proposed T&D rate 0.05951
0.26% increase

Increase 0.3%

Description	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, anchor base, Villager	SD Alum Villager AB	9999999985		$0.00	$0.00	0.00%	27		$0	$0	$0		27		$0	$0	$0
Fiberglass, anchor base	SD Fbgl =<16' AB PT	9999999987		$0.00	$0.00	0.00%	3		$0	$0	$0		3		$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT	9999999988		$0.00	$0.00	0.00%	50		$0	$0	$0		50		$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT	0		$0.00	$92.76	0.00%	25		$0	$0	$0		25		$0	$2,319	$2,319
Decorative Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	9999999989		$0.00	$0.00	0.00%	728		$0	$0	$0		728		$0	$0	$0
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	0		$0.00	$336.84	0.00%	1		$0	$0	$0		1		$0	$337	$337
FOUNDATIONS																	
Concrete - Cast-In-Place																	
for AB standard > 16 ft	FD Concrete >16'	9999999995		$0.00	$0.00	0.00%	253		$0	$0	$0		253		$0	$0	$0
for AB standard > 16 ft	FD Concrete >16'	0		$0.00	$216.36	0.00%	2		$0	$0	$0		2		$0	$433	$433
for AB standard <= 16 ft	FD Concrete =<16'	9999999994		$0.00	$0.00	0.00%	760		$0	$0	$0		760		$0	$0	$0
for AB standard <= 16 ft	FD Concrete =<16'	0		$195.72	$216.36	10.55%	1		$0	$196	$196		1		$0	$216	$216
CIRCUITRY																	
UG Service																	
first 50 ft or less per pole																	
cable and conduit	CR UG Cable & Cndt	9999999996		$0.00	$0.00	0.00%	992		$0	$0	$0		992		$0	$0	$0
cable and conduit	CR UG Cable & Cndt	0		$86.04	$118.68	37.94%	2		$0	$172	$172		2		$0	$237	$237
cable only	CR UG Cable Only	9999999997		$0.00	$0.00	0.00%	15		$0	$0	$0		15		$0	$0	$0
URD Service																	
first 10 ft or less per pole																	
direct buried cable	CR UG Res DB Cable	9999999998		$0.00	$0.00	0.00%	57		$0	$0	$0		57		$0	$0	$0
direct buried cable	CR UG Res DB Cable	0		$56.56	$88.44	56.37%	25		$0	$1,414	$1,414		25		$0	$2,211	$2,211
					Annual Total			**9,032,444**	**$536,113**	**$4,557**	**$540,670**			**9,032,444**	**$537,521**	**$8,591**	**$546,112**
					Watertown			**2,883,540**	**$171,150**	**$4,557**	**$175,707**			**2,883,540**	**$171,599**	**$8,591**	**$180,191**
					EO			**6,148,904**	**$364,963**	**$0**	**$364,963**			**6,148,904**	**$365,921**	**$0**	**$365,921**
									$382,540								
														TARGET	$537,523	$7,427	
														PROPOSED MINUS TARGET	-$2	$1,164	

Case 17-E-0238
Appendix 2
Schedule 8.6b
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

Rate Year 1 T&D rate 0.01080
Proposed T&D rate 0.01083
0.24% increase

Increase 0.3%

Description	Billcode Description	Rate Year 1 Annual Basic Serv. Charge (a)	Proposed Annual Basic Serv. Charge (b)	Percent Change Basic Serv. Charge (c)	2016 Avg Units Billed (d)	Rate Year 1 Annual Usage (e)	Rate Year 1 Annual T&D Revenue (f)	Rate Year 1 Annual Location Charge Revenue (g)	Rate Year 1 Annual Total Revenue (h)	FY'18 Avg Fcst Units (i)	Proposed Annual Usage (j)	Proposed Annual T&D Revenue (k)	Proposed Annual Location Charge Revenue (l)	Proposed Annual Total Revenue (m)
Traffic Control Location Charge	TC Location Charge	$300.96	$301.80	0.26%	2809.1	n/a	n/a	$845,422	$845,422	2,809	n/a	n/a	$847,781	$847,781
Traffic Control 30 Day kWh	TC 30 Day kWh	n/a	n/a	n/a	n/a	8,970,329	$96,911	n/a	$96,911	n/a	8,970,329	$97,149	n/a	$97,149
				Annual Total		**8,970,329**	**$96,911**	**$845,422**	**$942,333**		**8,970,329**	**$97,149**	**$847,781**	**$944,930**
						266.110801 kWh per unit per mo					**TARGET**	$97,166	$847,790	$944,956
											PROPOSED MINUS TARGET	-$17	-$9	-$26

Case 17-E-0238
Appendix 2
Schedule 8.7b
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669
0.26% increase

Increase 0.3%

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
1171629003	**CENTER FOR DISABILITY SRVCS**																
01 - NMP0000003	150W	Company	173	$7.32	$7.32	0.0%	4	2,880	$249	$29	$278	347.50	4	2,880	$250	$29	$279
01 - NMP000051P	Roadway 150	Company		$51.00	$51.12	0.2%	4		$0	$204	$204		4		$0	$204	$204
01 - NMP000084P	Additional Wood Pole	Company		$0.00	$0.00	n/a	2		$0	$0	$0		2		$0	$0	$0
2433882101	**CITY OF SYRACUSE DPW**																
01 - NMP0000002	100W	Company	118	$7.08	$7.08	0.0%	44	21,648	$1,872	$312	$2,183	347.50	44	21,648	$1,877	$312	$2,188
01 - NMP0000013	175W	Company	211	$5.88	$5.88	0.0%	82	72,444	$6,264	$484	$6,748	347.50	82	72,444	$6,280	$484	$6,764
01 - NMP000105P	for anchor base standard <= 16 ft	Company		$195.72	$196.20	0.2%	3		$0	$587	$587		3		$0	$589	$589
01 - NMP000109P	cable and conduit	Company		$86.04	$86.28	0.3%	126		$0	$10,870	$10,870		126		$0	$10,900	$10,900
01 - NMP000117P	cable and conduit, per foot	Company		$1.68	$1.68	0.0%	1243		$0	$2,089	$2,089		1,243		$0	$2,089	$2,089
01 - NMP000120P	Festoon Outlet - Old	Company		$47.88	$48.00	0.3%	42		$0	$2,011	$2,011		42		$0	$2,016	$2,016
01 - NMP000219P	Williamsville 70	Company		$99.60	$99.84	0.2%	12		$0	$1,195	$1,195		12		$0	$1,198	$1,198
01 - NMP000270P	aluminum, anchor base, Little Falls	Company		$198.48	$198.96	0.2%	43		$0	$8,535	$8,535		43		$0	$8,555	$8,555
01 - NMP000325P	Williamsville 100	Company		$99.60	$99.84	0.2%	1		$0	$100	$100		1		$0	$100	$100
01 - NMP000337P	LM Franklin Sq 100	Company		$129.48	$129.84	0.3%	31		$0	$4,014	$4,014		31		$0	$4,025	$4,025
01 - NMP000339P	LM Franklin Sq 175	Company		$129.48	$129.84	0.3%	82		$0	$10,661	$10,661		82		$0	$10,690	$10,690
01 - NMP000105P	for anchor base standard <= 16 ft	Company		$68.55	$68.76	0.3%	123		$0	$8,432	$8,432		123		$0	$8,457	$8,457
8193879102	**TOWN OF HAMLIN**																
03 - NMP0000002	100W	customer	118	$7.08	$7.08	0.0%	6	2,952	$255	$42	$298	347.50	6	2,952	$256	$42	$298
03 - NMP000056P	Arch. (style unknown) 70/100	customer		$29.88	$30.00	0.4%	6		$0	$179	$179		6		$0	$180	$180
03 - NMP000097P	Fiberglass, anchor base	customer		$25.32	$25.44	0.5%	6		$0	$152	$152		6		$0	$153	$153
03 - NMP000107P	for AB standards, all applications	customer		$41.88	$42.00	0.3%	6		$0	$251	$251		6		$0	$252	$252
03 - NMP000116P	direct buried cable	customer		$5.28	$5.28	0.0%	6		$0	$32	$32		6		$0	$32	$32
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.48	$0.48	0.0%	284		$0	$136	$136		284		$0	$136	$136
1913882104	**TOWN OF HAMLIN HILLCREST SUBDIV SC 5**																
03 - NMP0000002	100W	customer	118	$7.08	$7.08	0.0%	13	6,396	$553	$92	$645	347.50	13	6,396	$554	$92	$647
03 - NMP0000003	150W	customer	173	$7.32	$7.32	0.0%	3	2,160	$187	$22	$209	347.50	3	2,160	$187	$22	$209
03 - NMP000056P	Arch. (style unknown) 70/100	customer		$29.88	$30.00	0.4%	10		$0	$299	$299		10		$0	$300	$300
03 - NMP000057P	LM Arch 150/175	customer		$22.68	$22.68	0.0%	3		$0	$68	$68		3		$0	$68	$68
03 - NMP000097P	Fiberglass, anchor base	customer		$25.32	$25.44	0.5%	16		$0	$405	$405		16		$0	$407	$407
03 - NMP000105P	for anchor base standard <= 16 ft	customer		$74.28	$74.52	0.3%	12		$0	$891	$891		12		$0	$894	$894
03 - NMP000107P	for AB standards, all applications	customer		$41.88	$42.00	0.3%	4		$0	$168	$168		4		$0	$168	$168
03 - NMP000116P	direct buried cable	customer		$5.28	$5.28	0.0%	16		$0	$84	$84		16		$0	$84	$84
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.48	$0.48	0.0%	344		$0	$165	$165		344		$0	$165	$165
03 - NMP000313P	Edison 100	customer		$29.88	$30.00	0.4%	3		$0	$90	$90		3		$0	$90	$90
4973879108	**VILLAGE OF BROCKPORT**																
03 - NMP0000001	70W	customer	86	$7.08	$7.08	0.0%	15	5,376	$465	$106	$571	347.50	15	5,376	$466	$106	$572
03 - NMP0000002	100W	customer	118	$7.08	$7.08	0.0%	24	11,808	$1,021	$170	$1,191	347.50	24	11,808	$1,024	$170	$1,194
03 - NMP0000003	150W	customer	173	$7.32	$7.32	0.0%	15	10,824	$936	$110	$1,046	347.50	15	10,824	$938	$110	$1,048
03 - NMP0000004	250W	customer	304	$7.44	$7.44	0.0%	4	5,076	$439	$30	$469	347.50	4	5,076	$440	$30	$470

Case 17-E-0238
Appendix 2
Schedule 8.8b
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Rate Year 1 T&D rate 0.08646
Proposed T&D rate 0.08669
0.26% increase

Increase 0.3%

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
03 - NMP000032P	Floodlight 250	customer		$22.08	$22.08	0.0%	4		$0	$88	$88		4		$0	$88	$88
03 - NMP000049P	Roadway 70	customer		$18.96	$18.96	0.0%	10		$0	$190	$190		10		$0	$190	$190
03 - NMP000097P	Fiberglass, anchor base	customer		$25.32	$25.44	0.5%	44		$0	$1,114	$1,114		44		$0	$1,119	$1,119
03 - NMP000099P	Fiberglass, anchor base	customer		$65.04	$65.16	0.2%	10		$0	$650	$650		10		$0	$652	$652
03 - NMP000107P	for AB standards, all applications	customer		$41.88	$42.00	0.3%	44		$0	$1,843	$1,843		44		$0	$1,848	$1,848
03 - NMP000110P	cable only	customer		$7.56	$7.56	0.0%	15		$0	$113	$113		15		$0	$113	$113
03 - NMP000111P	direct buried cable	customer		$26.16	$26.28	0.5%	3		$0	$78	$78		3		$0	$79	$79
03 - NMP000116P	direct buried cable	customer		$5.28	$5.28	0.0%	36		$0	$190	$190		36		$0	$190	$190
03 - NMP000118P	CR EF Cable Only/ft	customer		$0.12	$0.12	0.0%	425		$0	$51	$51		425		$0	$51	$51
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.48	$0.48	0.0%	1284		$0	$616	$616		1,284		$0	$616	$616
03 - NMP000309P	Traditional 70	customer		$29.88	$30.00	0.4%	5		$0	$149	$149		5		$0	$150	$150
03 - NMP000315P	Traditional 100	customer		$29.88	$30.00	0.4%	24		$0	$717	$717		24		$0	$720	$720
03 - NMP000321P	Traditional 150	customer		$24.48	$24.60	0.5%	15		$0	$367	$367		15		$0	$369	$369
					Annual Total			**141,564**	**$ 12,240**	**$ 59,182**	**$ 71,422**			**141,564**	**$12,272**	**$59,336**	**$71,608**

TARGET	$12,272	$59,429
PROPOSED MINUS TARGET	$0	-$93

Case 17-E-0238
Appendix 2
Schedule 8.8b
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)
- - - - C L O S E D - - - -

Rate Year 1 T&D rate 0.059354
Proposed T&D rate 0.05951
0.26% increase

Increase 0.3%

Description	Rate Year Facility Class	Billed Watts per Lamp (a)	Rate Year 1 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual T&D Revenue (h)	Rate Year 1 Annual Facility Revenue (i)	Rate Year 1 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
LAMPS																
High Pressure Sodium																
70W	Closed	86	$7.92	$7.92	0.0%	4	1,380	$82	$30	$112	347.50	4	1,380	$82	$30	$112
100W	Closed	118	$9.12	$9.12	0.0%	194	95,460	$5,666	$1,769	$7,435	347.50	194	95,460	$5,681	$1,769	$7,450
150W	Closed	173	$9.60	$9.60	0.0%	58	41,844	$2,484	$557	$3,040	347.50	58	41,844	$2,490	$557	$3,047
250W	Closed	304	$9.36	$9.36	0.0%	65	82,404	$4,891	$608	$5,499	347.50	65	82,404	$4,904	$608	$5,512
400W	Closed	470	$8.16	$8.16	0.0%	17	33,324	$1,978	$139	$2,117	347.50	17	33,324	$1,983	$139	$2,122
Metal Halide																
250W	Closed	295	$53.40	$53.52	0.2%	11	13,536	$803	$587	$1,391	347.50	11	13,536	$806	$589	$1,394
Mercury Vapor																
100W	Closed	130	$6.84	$6.84	0.0%	52	28,188	$1,673	$356	$2,029	347.50	52	28,188	$1,677	$356	$2,033
Continuous Operation																
Additional Charge																
MV 100W	Closed	130	$7.56	$7.56	0%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 70	Closed	86	$8.76	$8.76	0%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 100	Closed	118	$10.08	$10.08	0%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 150	Closed	173	$10.56	$10.56	0%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
				Annual Total		**401**	**296,136**	**$17,577**	**$4,047**	**$21,624**			**296,136**	**$17,623**	**$4,048**	**$21,671**
									$8,603							
													TARGET	$17,623	$4,056	
													PROPOSED MINUS TARGET	$0	-$8	

Case 17-E-0238
Appendix 2
Schedule 8.9b
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

HPS Roadway Lamps & Luminaires

0.3% Target % Increase

Solve for equal % movement to Repl

	Component	Current Price	Units	Current Revenue	Target Price	Target Revenue	Replacement Cost	Replacement Revenue	Proposed % Movement to Replace Cost	Adjusted Target Price	Adjusted Target Revenue	Adjusted Price % Movement to Replace Cost
70W	NMP0000001	$8.04	7,945	$63,876	8.06	$ 64,044	$ 10.36	$82,284		8.07	$ 64,153	
100W	NMP0000002	$8.04	16,165	$129,968	8.06	$ 130,310	$ 10.36	$167,422		8.07	$ 130,532	
150W	NMP0000003	$8.04	6,729	$54,098	8.06	$ 54,240	$ 10.36	$69,687		8.07	$ 54,332	
250W	NMP0000004	$8.04	5,899	$47,425	8.06	$ 47,549	$ 10.36	$61,091		8.07	$ 47,630	
400W	NMP0000005	$8.04	1,199	$9,636	8.06	$ 9,662	$ 10.36	$12,413		8.07	$ 9,678	
1000W	NMP0000006	$16.44	71	$1,172	16.48	$ 1,175	$ 10.36	$738		16.51	$ 1,177	
			38,007									
									HPS %	0.43%		
Roadway 70	NMP000049P	$55.80	7,945	$443,320	55.95	$ 444,485	$ 209.36	$1,663,296		56.04	$ 445,242	
Roadway 100	NMP000050P	$55.80	16,165	$902,020	55.95	$ 904,391	$ 209.36	$3,384,296		56.04	$ 905,930	
Roadway 150	NMP000051P	$55.80	6,729	$375,454	55.95	$ 376,441	$ 209.36	$1,408,670		56.04	$ 377,082	
Roadway 250	NMP000052P	$55.80	5,899	$329,142	55.95	$ 330,007	$ 209.36	$1,234,911		56.04	$ 330,569	
Roadway 400	NMP000302P	$55.80	1,199	$66,879	55.95	$ 67,055	$ 209.36	$250,924		56.04	$ 67,169	
Roadway, 1000	NMP000053P	$126.48	71	$9,018	126.81	$ 9,042	$ 209.36	$14,927		127.03	$ 9,057	
			38,007									
	Total HPS Lamp & Lumiaire			$2,432,008		$2,438,403		$8,350,660	0.11%		$2,442,552	0.18%
		% of replacement cost		29%		0.3%					0.43%	
LED												
									LED %	0.14%		
LL Roadway LED-B	NMPLEDRWYB	83.88	12,055	$1,011,175	84.10	$ 1,013,833	$ 159.21	$1,919,245		84.00	$ 1,012,627	
LL Roadway LED-C	NMPLEDRWYC	88.68	18,784	$1,665,728	88.91	$ 1,670,108	$ 161.60	$3,035,336		88.81	$ 1,668,121	
LL Roadway LED-D	NMPLEDRWYD	110.28	5,899	$650,498	110.57	$ 652,208	$ 177.59	$1,047,561		110.44	$ 651,432	
LL Roadway LED-F	NMPLEDRWYF	119.28	1,270	$151,467	119.59	$ 151,866	$ 223.39	$283,678		119.45	$ 151,685	
			38,007									
		Total LED		$3,478,868		$3,488,015		$6,285,819	0.33%		$3,483,866	0.18%
		% of replacement cost		55%		0.3%					0.14%	
			GRAND TOTAL	$5,910,876	Target Revenue	$5,926,418		$14,636,479		Target Revenue	$5,926,418	
					Total Increase	0.3%					0.26%	

Ratio LED% to HPS % 33.14%

		Storeroom Primary Materials	Storeroom Misc Materials	Rate Year Direct Materials Cost	Rate Year Materials Cost With Tax and Stores Handling	Rate Year Company Labor Cost	Rate Year Labor Cost with Fringe & Transportation Overhead	Total Rate Year Installation Cost with Capital Overhead	Carrying Charge Rate	Replacement Cost Carrying Charge	
Lamp		$ 11.06	$ -	$ 11.61	$ 16.15	$ -	$ -	$ 16.15	12.391%	$ 2.00	
Lamp Annual O&M					$ 3.23	$ 1.67	$ 3.62	$ 8.36		$ 8.36	
Luminaire		$ 69.42	$ 166.19	$ 247.28	$ 344.13	$ 185.41	$ 402.08	$ 913.07	16.724%	$ 152.70	
Bracket		$ 143.05	$ 65.55	$ 218.94	$ 304.68	$ 49.70	$ 107.79	$ 457.20	12.391%	$ 56.65	
		$ 212.47	$ 231.74	$ 466.22	$ 648.81	$ 235.11	$ 509.86	$ 1,370.27		$ 219.71	
LED luminaire	B	$ 103.88		$ 109.03	$ 151.72	$ 185.41	$ 402.08	$ 720.67	15.424%	$ 111.16	$ 159.21
(w/Bracket)	C	$ 114.48		$ 120.15	$ 167.21	$ 185.41	$ 402.08	$ 736.15	15.424%	$ 113.55	$ 161.60
	D	$ 185.50		$ 194.69	$ 270.94	$ 185.41	$ 402.08	$ 839.88	15.424%	$ 129.55	$ 177.59
	F	$ 388.80		$ 408.06	$ 567.87	$ 185.41	$ 402.08	$ 1,136.82	15.424%	$ 175.35	$ 223.39
			$ 169.05	$ 169.05	$ 235.26	$ 49.70	$ 107.79	$ 387.77	12.391%	$ 48.05	

Case 17-E-0238
Appendix 2
Schedule 8.11b
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Rate Year 1 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	43,820	18.6%	$8.04	$31.12	$12.17	$2.49	$0.54	$54.36	$0.15	$0.02796
100W	Standard	118	492	82,836	35.2%	$8.04	$42.65	$16.68	$3.42	$0.72	$71.51	$0.20	$0.07047
150W	Standard	173	721	32,467	13.8%	$8.04	$62.50	$24.44	$5.01	$1.01	$101.00	$0.28	$0.03867
250W	Standard	304	1,268	25,276	10.8%	$8.04	$109.92	$42.99	$8.81	$1.71	$171.47	$0.47	$0.05053
400W	Standard	470	1,960	6,153	2.6%	$8.04	$169.91	$66.45	$13.62	$2.61	$260.63	$0.71	$0.01858
1000W	Closed	1106	4,612	313	0.1%	$16.44	$399.81	$156.36	$32.04	$6.11	$610.76	$1.67	$0.00222
Metal Halide													
175W	Standard	207	863	2,323	1.0%	$55.56	$74.81	$29.26	$6.00	$1.67	$167.30	$0.46	$0.00455
250W	Standard	295	1,230	275	0.1%	$55.56	$106.63	$41.70	$8.55	$2.15	$214.59	$0.59	$0.00069
400W	Standard	451	1,881	569	0.2%	$55.56	$163.06	$63.77	$13.07	$2.98	$298.44	$0.82	$0.00198
1000W	Closed	1078	4,495	2	0.0%	$55.56	$389.67	$152.40	$31.23	$6.35	$635.21	$1.74	$0.00001
Mercury Vapor													
100W	Obsolete	130	542	598	0.3%	$6.84	$46.99	$18.38	$3.77	$0.77	$76.75	$0.21	$0.00053
175W	Obsolete	211	880	1,462	0.6%	$6.84	$76.29	$29.84	$6.11	$1.20	$120.28	$0.33	$0.00205
400W	Obsolete	477	1,989	372	0.2%	$6.84	$172.43	$67.43	$13.82	$2.63	$263.15	$0.72	$0.00114
1000W	Obsolete	1095	4,566	4	0.0%	$13.08	$395.83	$154.80	$31.72	$6.01	$601.44	$1.65	$0.00003
LED													
LL Roadway LED-B	Standard	25	104	16,086	6.8%	$84.00	$9.02	$3.53	$0.72	$0.98	$98.25	$0.27	$0.01847
LL Roadway LED-C	Standard	48	200	15,137	6.4%	$88.80	$17.34	$6.78	$1.39	$1.15	$115.46	$0.32	$0.02060
LL Roadway LED-D	Standard	96	400	5,963	2.5%	$110.40	$34.68	$13.56	$2.78	$1.63	$163.05	$0.45	$0.01141
LL Roadway LED-F	Standard	210	876	1,454	0.6%	$119.40	$75.94	$29.70	$6.09	$2.33	$233.46	$0.64	$0.00396
			Total	235,109	100.0%						Proposed SC-2 Outage Credit per Lamp per Night:		**$0.27**

Proposed Base T&D rate (a)	0.08669

Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001189
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	0.00000
Sum	0.00695

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03001
Merchant Function Charge	0.00027
Electricity Supply Reconciliation Mechanism	0.00363
Sum	0.033904
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2b
(b) Source: Appendix 2, Schedule 8.14b

Case 17-E-0238
Appendix 2
Schedule 8.13b
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Rate Year 1 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	see note	22.3%	n/a	$21.36	$12.17	$2.49	$0.36	$36.38	$0.10	$0.02230
100W	Standard	118	492	see note	42.2%	n/a	$29.28	$16.68	$3.42	$0.50	$49.88	$0.14	$0.05903
150W	Standard	173	721	see note	16.5%	n/a	$42.91	$24.44	$5.01	$0.73	$73.09	$0.20	$0.03305
250W	Standard	304	1,268	see note	12.9%	n/a	$75.46	$42.99	$8.81	$1.29	$128.55	$0.35	$0.04503
400W	Standard	470	1,960	see note	3.1%	n/a	$116.64	$66.45	$13.62	$1.99	$198.70	$0.54	$0.01691
1000W	Closed	1,106	4,612	see note	0.2%	n/a	$274.46	$156.36	$32.04	$4.68	$467.54	$1.28	$0.00204
Metal Halide													
175W	Standard	207	863	see note	1.2%	n/a	$51.36	$29.26	$6.00	$0.87	$87.49	$0.24	$0.00284
250W	Standard	295	1,230	see note	0.1%	n/a	$73.20	$41.70	$8.55	$1.25	$124.70	$0.34	$0.00048
400W	Standard	451	1,881	see note	0.3%	n/a	$111.94	$63.77	$13.07	$1.91	$190.69	$0.52	$0.00151
1000W	Closed	1078	4,495	see note	0.0%	n/a	$267.50	$152.40	$31.23	$4.56	$455.69	$1.25	$0.00001
Mercury Vapor													
100W	Obsolete	130	542	see note	0.3%	n/a	$32.25	$18.38	$3.77	$0.55	$54.95	$0.15	$0.00046
175W	Obsolete	211	880	see note	0.7%	n/a	$52.37	$29.84	$6.11	$0.89	$89.21	$0.24	$0.00179
400W	Obsolete	477	1,989	see note	0.2%	n/a	$118.37	$67.43	$13.82	$2.02	$201.64	$0.55	$0.00104
1000W	Obsolete	1095	4,566	see note	0.0%	n/a	$271.72	$154.80	$31.72	$4.63	$462.87	$1.27	$0.00003
			Total		100.0%						Proposed SC-3 Outage Credit per Lamp per Night:		**$0.19**

Proposed Base T&D rate (a)	0.05951

Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001189
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	0.00000
Sum	0.00695

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03001
Merchant Function Charge	0.00027
Electricity Supply Reconciliation Mechanism	0.00363
Sum	0.033904
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2b
(b) Source: Appendix 2, Schedule 8.14b

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

Case 17-E-0238
Appendix 2
Schedule 8.13b
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Rate Year 1 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Avg Monthly Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Closed	86	359	4	1.0%	$7.92	$21.36	$12.17	$2.49	$0.44	$44.38	$0.12	$0.00115
100W	Closed	118	492	194	48.4%	$9.12	$29.28	$16.68	$3.42	$0.59	$59.09	$0.16	$0.07744
150W	Closed	173	721	58	14.5%	$9.60	$42.91	$24.44	$5.01	$0.83	$82.79	$0.23	$0.03328
250W	Closed	304	1,268	65	16.2%	$9.36	$75.46	$42.99	$8.81	$1.38	$138.00	$0.38	$0.06162
400W	Closed	470	1,960	17	4.2%	$8.16	$116.64	$66.45	$13.62	$2.07	$206.94	$0.57	$0.02417
Metal Halide													
250W	Closed	295	1,230	11	2.7%	$53.52	$73.20	$41.70	$8.55	$1.79	$178.76	$0.49	$0.01345
Mercury Vapor													
100W	Closed	130	542	52	13.0%	$6.84	$32.25	$18.38	$3.77	$0.62	$61.86	$0.17	$0.02205
			Total	401	100.0%							Proposed SC-6 Outage Credit per Lamp per Night:	**$0.23**

Proposed Base T&D rate (a)	0.05951
Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001189
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	0.00000
Sum	0.00695

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03001
Merchant Function Charge	0.00027
Electricity Supply Reconciliation Mechanism	0.00363
Sum	0.033904
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2b
(b) Source: Appendix 2, Schedule 8.14b

Case 17-E-0238
Appendix 2
Schedule 8.13b
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. NO. 214 ELECTRICITY
Rate Year 1 and Proposed Volumetric Rates for Customer Impact Analysis
RATE YEAR 2

		Rate Year 2 (FY 2020) at Rate Year 1 Rates				Rate Year 2 (FY 2020) at Proposed Rates				Percentage Change in Rate			
		SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4
	COMMODITY RATES												
Note													
(1)	Electricity Supply Cost - Western	0.02586	0.02586	0.02586	0.03305	0.02586	0.02586	0.02586	0.03305	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Central	0.02606	0.02606	0.02606	0.03199	0.02606	0.02606	0.02606	0.03199	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Eastern	0.03812	0.03812	0.03812	0.04356	0.03812	0.03812	0.03812	0.04356	0.0%	0.0%	0.0%	0.0%
(2)	MFC (Merchant Function Charge)	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.0%	0.0%	0.0%	0.0%
	MFC (Merchant Function Charge %)	0.778%	0.778%	0.778%	0.778%	0.778%	0.778%	0.778%	0.778%	0.0%	0.0%	0.0%	0.0%
(3)	ESRM & CESS	0.003628	0.00363	0.00363	0.00363	0.00363	0.00363	0.00363	0.00363	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (WESTERN)	0.029957	0.029957	0.029957	0.037211	0.029957	0.029957	0.029957	0.037211	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (CENTRAL)	0.030166	0.030166	0.030166	0.036141	0.030166	0.030166	0.030166	0.036141	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (EASTERN)	0.042313	0.042313	0.042313	0.047802	0.042313	0.042313	0.042313	0.047802	0.0%	0.0%	0.0%	0.0%
	DELIVERY RATES												
(4)	Base T&D Rates	**0.08646**	**0.08646**	**0.05935**	**0.01080**	**0.08669**	**0.08669**	**0.05951**	**0.01083**	0.3%	0.3%	0.3%	0.2%
(5)	DLM	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	0.0%	0.0%	0.0%
(6)	LTC (Legacy Transition Charge)	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.0%	0.0%	0.0%	0.0%
(7)	SBC w/ EE (System Benefit Charge)	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.0%	0.0%	0.0%	0.0%
(8)	Clean Energy Supply - Deilvery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
(9)	Transmission Revenue Adjustment (TRA)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
	DELIVERY SUM	0.093410	0.093410	0.066301	0.017751	0.093637	0.093637	0.066457	0.017777	0.2%	0.2%	0.2%	0.1%
	TOTAL VOLUMETRIC RATE (WESTERN)	0.123367	0.123367	0.096258	0.054962	0.123594	0.123594	0.096414	0.054988	0.2%	0.2%	0.2%	0.0%
	TOTAL VOLUMETRIC RATE (CENTRAL)	0.123576	0.123576	0.096467	0.053892	0.123803	0.123803	0.096623	0.053918	0.2%	0.2%	0.2%	0.0%
	TOTAL VOLUMETRIC RATE (EASTERN)	0.135723	0.135723	0.108614	0.065552	0.135950	0.135950	0.108770	0.065579	0.2%	0.2%	0.1%	0.0%

(1) Company forecast supporting Appendix 2, Schedule 2
(2) Appendix 2, Schedule 7.1
(3) Forecast ESRM is set to zero for reconciliation adjustments, plus CESS.
(4) Appendix 2, Schedule 8.1b
(5) to (9) Forecast rates are from Appendix 2, Schedule 4

Case 17-E-0238
Appendix 2
Schedule 8.14b
Page 1 of 9

Average Total Bill Percent Increases by Service Class RY2

	Rate Year 1 Usage	Rate Year 1 T&D	Rate Year 1 Facility	Rate Year 1 T&D Surcharges	Rate Year 1 Commodity	Rate Year 1 Total Bill	Revenue Requirement Increase	Average Percent Total Bill Increase	Increase on T&D & Facility Revenue
SC-1	21,736,230	$1,879,369	$1,639,723	$151,008	$703,310	$4,373,410	$9,253	**0.2%**	**0.3%**
		43%	37%	3%	16%				
SC-2	140,352,171	$12,135,201	$36,428,103	$975,066	$4,541,313	$54,079,683	$127,691	**0.2%**	**0.3%**
		22%	67%	2%	8%				
SC-3	9,032,444	$536,113	$7,408	$62,751	$292,259	$898,530	$1,429	**0.2%**	**0.3%**
		60%	1%	7%	33%				
SC-4	8,970,329	$96,911	$845,567	$62,319	$341,268	$1,346,065	$2,478	**0.2%**	**0.3%**
		7%	63%	5%	25%				
SC-5	141,564	$12,240	$59,273	$983	$4,581	$77,077	$188	**0.2%**	**0.3%**
		16%	77%	1%	6%				
SC-6	296,136	$17,577	$4,045	$2,057	$9,582	$33,262	$57	**0.2%**	**0.3%**
		53%	12%	6%	29%				
	180,528,874	$ 14,677,413	$ 38,984,122	$ 1,254,185	$ 5,892,313	$ 60,808,026	$ 141,096	**0.2%**	**0.3%**

Case 17-E-0238
Appendix 2
Schedule 8.14b
Page 2 of 9

SC1 Customer Bill Impact Analysis RY2								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	2606	42.7%	$	(2,269)	$	(1)
Increase of	0%	1%	3492	57.3%	$	4,109	$	1
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**6098**	**100%**	**$**	**1,839**	**$**	**0**

SC2 Customer Bill Impact Analysis RY2								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0%	$	-		
Decrease of	-10%	-9%	0	0%	$	-		
Decrease of	-9%	-8%	0	0%	$	-		
Decrease of	-8%	-7%	0	0%	$	-		
Decrease of	-7%	-6%	0	0%	$	-		
Decrease of	-6%	-5%	0	0%	$	-		
Decrease of	-5%	-4%	0	0%	$	-		
Decrease of	-4%	-3%	0	0%	$	-		
Decrease of	-3%	-2%	0	0%	$	-		
Decrease of	-2%	-1%	0	0%	$	-		
Decrease of	-1%	0%	273	36%	$	(5,223)	$	(19)
Increase of	0%	1%	491	64%	$	78,185	$	159
Increase of	1%	2%	1	0%	$	16	$	16
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	0	0%	$	-		
Increase of	4%	5%	0	0%	$	-		
Increase of	5%	6%	0	0%	$	-		
Increase of	6%	7%	0	0%	$	-		
Increase of	7%	8%	0	0%	$	-		
Increase of	8%	9%	0	0%	$	-		
Increase of	9%	10%	0	0%	$	-		
Increase of	10%	11%	0	0%	$	-		
Increase of	11%	12%	0	0%	$	-		
Increase of	12%	13%	0	0%	$	-		
Increase of	13%	14%	0	0%	$	-		
Increase of	14%	15%	0	0%	$	-		
Increase of	15%	16%	0	0%	$	-		
Increase of	16%	17%	0	0%	$	-		
Increase of	17%	18%	0	0%	$	-		
Increase of	18%	19%	0	0%	$	-		
Increase of	19%	20%	0	0%	$	-		
Increase of	20%	23%	0	0%	$	-		
Increase of	23%	26%	0	0%	$	-		
Increase of		>30%	0	0%	$	-		
Totals (annual impact)			**765**	**100%**	**$**	**72,978**	**$**	**95**

SC3 Customer Bill Impact Analysis RY2								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0%	$	-		
Decrease of	-10%	-9%	0	0%	$	-		
Decrease of	-9%	-8%	0	0%	$	-		
Decrease of	-8%	-7%	0	0%	$	-		
Decrease of	-7%	-6%	0	0%	$	-		
Decrease of	-6%	-5%	0	0%	$	-		
Decrease of	-5%	-4%	0	0%	$	-		
Decrease of	-4%	-3%	0	0%	$	-		
Decrease of	-3%	-2%	0	0%	$	-		
Decrease of	-2%	-1%	0	0%	$	-		
Decrease of	-1%	0%	92	71%	$	(1,686)	$	(18)
Increase of	0%	1%	38	29%	$	699	$	18
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	0	0%	$	-		
Increase of	4%	5%	0	0%	$	-		
Increase of	5%	6%	0	0%	$	-		
Increase of	6%	7%	0	0%	$	-		
Increase of	7%	8%	0	0%	$	-		
Increase of	8%	9%	0	0%	$	-		
Increase of	9%	10%	0	0%	$	-		
Increase of	10%	11%	0	0%	$	-		
Increase of	11%	12%	0	0%	$	-		
Increase of	12%	13%	0	0%	$	-		
Increase of	13%	14%	0	0%	$	-		
Increase of	14%	15%	0	0%	$	-		
Increase of	15%	16%	0	0%	$	-		
Increase of	16%	17%	0	0%	$	-		
Increase of	17%	18%	0	0%	$	-		
Increase of	18%	19%	0	0%	$	-		
Increase of	19%	20%	0	0%	$	-		
Increase of	20%	23%	0	0%	$	-		
Increase of	23%	26%	0	0%	$	-		
Increase of		>30%	0	0%	$	-		
Totals (annual impact)			**130**	**100%**	**$**	**(987)**	**$**	**(8)**

SC4 Customer Bill Impact Analysis RY2								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	35	25.9%	$	(642)	$	(18)
Increase of	0%	1%	100	74.1%	$	2,102	$	21
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**135**	**100%**	**$**	**1,459**	**$**	**11**

SC5 Customer Bill Impact Analysis RY2								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	1	16.7%	$	(1)	$	(1)
Increase of	0%	1%	5	83.3%	$	1,003	$	201
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**6**	**100%**	**$**	**1,002**	**$**	**167**

SC6 Customer Bill Impact Analysis RY2								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	9	100.0%	$	(216)	$	(24)
Increase of	0%	1%	0	0.0%	$	-		
Increase of	1%	2%	0	0.0%	$	-		
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**9**	**100%**	**$**	**(216)**	**$**	**(24)**

Customers with Price Exception's Total Bills Impacts RY2

Price Exception Customer	Impact %		Impact $
AMHERST CENTRAL SCHOOL DIST	0.14%	$	20
CHAUTAUQUA UTILITY DIST	0.33%	$	183
CITY OF BUFFALO	0.14%	$	13,827
CITY OF SCHENECTADY	-0.02%	$	(197)
CITY OF SYRACUSE DPW	0.26%	$	11,394
CITY OF UTICA DPW	0.25%	$	4,331
MUSEUM OF SCIENCE & TEC	1.11%	$	16
TOWN OF AMHERST	0.20%	$	6,955
TOWN OF QUEENSBURY	-0.06%	$	(106)
TOWN OF TONAWANDA	0.25%	$	5,493
VILLAGE OF KENMORE	0.33%	$	959
VILLAGE OF KINDERHOOK	0.17%	$	62
VILLAGE OF WILLIAMSVILLE	0.23%	$	207
		$	**43,144**

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Development of Target Rate Year 3 Revenue Per Lighting Service Class

Forecast Rate Year 3 Revenue at Rate Year 2 Rates

Service Class	Proposed Usage	Rate Year 2 T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D [3]	Pct. of Total Revenue
SC-1	21,736,230	0.08669	$1,884,311	$1,644,035	$3,528,345	53.4%	6.6%
SC-2	140,352,171	0.08669	$12,167,109	$36,523,886	$48,690,995	25.0%	90.5%
Contract	141,564	0.08669	$12,272	$59,429	$71,701	17.1%	0.1%
	140,493,735		$12,179,381	$36,583,315	$48,762,696	25.0%	90.6%
[1]SC-3	9,032,444	0.05951	$537,523	$7,427	$544,950	98.6%	1.0%
SC-6	296,136	0.05951	$17,623	$4,056	$21,679	81.3%	0.0%
	9,328,580		$555,146	$11,483	$566,629	98.0%	1.1%
[2]SC-4	8,970,329	0.01083	$97,166	$847,790	$944,956	10.3%	1.8%
Total	**180,528,874**		**$14,716,003**	**$39,086,623**	**$53,802,627**	**27.4%**	**100.0%**

(1) The SC-3 facility revenue is from a single SC-3 contract customer.
(2) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of Rate Year 2ation.
(3) The total current revenue reflects the proper T&D contract rates, as compared to Appendix 2, Schedule 1.

Revenue Requirement Allocation [1]	*Target Revenue*	*Dollar Increase*	*% Increase*
$54,304,938	$54,304,938	$502,312	0.9%

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate[2]	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	Facility Price Increase %	Revenue Neutral SC1/SC2/Cnt T&D Revenue	Revenue Neutral SC1/SC2/Cnt T&D Rate
SC-1	21,736,230	0.08750	$1,901,903	$1,659,384	$3,561,287	53.4%	6.6%	0.9%	$ 1,901,903	
SC-2	140,352,171	0.08750	$12,280,703	$36,864,881	$49,145,584	25.0%	91.3%	0.9%	$ 12,280,703	
Contract	141,564	0.08750	$12,387	$59,984	$72,370	17.1%	0.1%	0.9%	$ 12,387	
	140,493,735		$12,293,090	$36,924,864	$49,217,954	25.0%	91.5%		$ 14,194,993	0.08750
SC-3	9,032,444	0.06007	$542,541	$7,496	$550,037	98.6%	1.0%	0.9%		
SC-6	296,136	0.06007	$17,788	$4,094	$21,881	81.3%	0.0%	0.9%		
	9,328,580		$560,329	$11,590	$571,919	98.0%	1.1%			
SC-4	8,970,329	0.01093	$98,073	$855,705	$953,779	10.3%	1.8%	0.9%		
Total	**180,528,874**		**$14,853,395**	**$39,451,544**	**$54,304,938**	**27.4%**	**100.0%**			
		Dollar Increase:	$137,391	$364,920	$502,312					
		Percent Increase:	0.9%	0.9%	0.9%					

(1) Source: Appendix 2, Schedule 2. Target Delivery Revenue Year 3 plus Tax Change plus Surcredit
(2) Target T&D rates are not rounded. Proposed T&D rates below are rounded to five decimal places.

Rate Year 3 Revenue at Proposed Rates

Service Class	Proposed Usage	Proposed T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %
SC-1	21,736,230	0.08750	$1,901,920	$1,659,128	$3,561,048	53.4%	6.6%	0.9%	0.9%
SC-2	140,352,171	0.08750	$12,280,815	$36,883,883	$49,164,698	25.0%	90.5%	0.9%	1.0%
Contract	141,564	0.08750	$12,387	$59,840	$72,227	17.1%	0.1%	0.9%	0.7%
	140,493,735		$12,293,202	$36,943,723	$49,236,925	25.0%	90.6%	0.9%	1.0%
SC-3	9,032,444	0.06007	$542,579	$8,677	$551,256	98.4%	1.0%	0.9%	16.8%
SC-6	296,136	0.06007	$17,789	$4,100	$21,889	81.3%	0.0%	0.9%	1.1%
	9,328,580		$560,368	$12,777	$573,145	97.8%	1.1%	0.9%	11.3%
SC-4	8,970,329	0.01093	$98,046	$855,534	$953,580	10.3%	1.8%	0.9%	0.9%
Total	**180,528,874**		**$14,853,535**	**$39,471,162**	**$54,324,697**	**27.3%**	**100.0%**	0.9%	1.0%
		Dollar Increase:	$137,532	$384,539	$522,071				
		Percent Increase:	0.9%	1.0%	1.0%				

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Summary of Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	21,736,230	0.08669	$1,884,311	$1,644,035	$3,528,345
Target		0.08750	$1,901,903	$1,659,384	$3,561,287
Proposed	21,736,230	0.08750	$1,901,920	$1,659,128	$3,561,048
(%)	0.0%	0.9%	0.9%	0.9%	0.9%
($)	n/a	0.00081	$17,610	$15,093	$32,702
Proposed minus Target	n/a	0.00000	$17	-$256	-$239
			0.00%	-0.02%	-0.01%

Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	140,352,171	0.08669	$12,167,109	$36,523,886	$48,690,995
Target		0.08750	$12,280,703	$36,864,881	$49,145,584
Proposed	140,352,171	0.08750	$12,280,815	$36,883,883	$49,164,698
(%)	0.0%	0.9%	0.9%	1.0%	1.0%
($)	n/a	0.00081	$113,706	$359,996	$473,702
Proposed minus Target	n/a	0.00000	$112	$19,002	$19,114
			0.00%	0.05%	0.04%

Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	9,032,444	0.05951	$537,523	$7,427	$544,950
Target		0.06007	$542,541	$7,496	$550,037
Proposed	9,032,444	0.06007	$542,579	$8,677	$551,256
(%)	0.0%	0.9%	0.9%	16.8%	1.2%
($)	n/a	0.00056	$5,056	$1,250	$6,306
Proposed minus Target	n/a	0.00000	$38	$1,180	$1,218
			0.01%	13.60%	0.22%

Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	8,970,329	0.01083	$97,166	$847,790	$944,956
Target		0.01093	$98,073	$855,705	$953,779
Proposed	8,970,329	0.01093	$98,046	$855,534	$953,580
(%)	0.0%	0.9%	0.9%	0.9%	0.9%
($)	n/a	0.00010	$880	$7,744	$8,624
Proposed minus Target	n/a	0.00000	-$28	-$171	-$198
			-0.03%	-0.02%	-0.02%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Summary of Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Contract Street Lighting (Customer Contributory Provisions)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	141,564	0.08669	$12,272	$59,429	$71,701
Target		0.08750	$12,387	$59,984	$72,370
Proposed	141,564	0.08750	$12,387	$59,840	$72,227
(%)	0.0%	0.9%	0.9%	0.7%	0.7%
($)	n/a	0.00081	$115	$411	$526
Proposed minus Target	n/a	0.00000	$0	-$143	-$143
			0.00%	-0.24%	-0.20%

Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	296,136	0.05951	$17,623	$4,056	$21,679
Target		0.06007	$17,788	$4,094	$21,881
Proposed	296,136	0.06007	$17,789	$4,100	$21,889
(%)	0.0%	0.9%	0.9%	1.1%	1.0%
($)	n/a	0.00056	$166	$44	$210
Proposed minus Target	n/a	0.00000	$1	$6	$7
			0.01%	0.15%	0.03%

Total P.S.C. No. 214 Electricity

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	180,528,874	n/a	$14,716,003	$39,086,623	$53,802,627
Target			$14,853,395	$39,451,544	$54,304,938
Proposed	180,528,874	n/a	$14,853,535	$39,471,162	$54,324,697
Rate Year 2 to Proposed (%)	0.0%		0.9%	1.0%	1.0%
Rate Year 2 to Proposed ($)	n/a	n/a	$137,532	$384,539	$522,071
Proposed minus Target	n/a	n/a	$141	$19,618	$19,759
			0.00%	0.05%	0.04%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669
Proposed T&D rate 0.0875

1
Use Group Tariff Prices

0.9%

Description	Rate Year 2 Facility Class	Billed Annual kWh per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue (j)	Rate Year 2 Annual Total Revenue (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
LAMP & LUMINAIRE																
High Pressure Sodium																
Coach, 70W	Closed	360	$116.64	$117.72	0.9%	$117.72	12.0	4,320	$375	$1,400	$1,774	12	4,320	$378	$1,413	$1,791
Coach, 100W	Closed	492	$116.64	$117.72	0.9%	$117.72	1.0	492	$43	$117	$159	1	492	$43	$118	$161
Coach, 150W	Closed	720	$116.64	$117.72	0.9%	$117.72	17.0	12,240	$1,061	$1,983	$3,044	17	12,240	$1,071	$2,001	$3,072
Edison, 70W	Closed	360	$116.64	$117.72	0.9%	$117.72	25.0	9,000	$780	$2,916	$3,696	25	9,000	$788	$2,943	$3,731
Edison, 100W	Closed	492	$116.64	$117.72	0.9%	$117.72	90.0	44,280	$3,839	$10,498	$14,336	90	44,280	$3,875	$10,595	$14,469
Edison, 150W	Closed	720	$116.64	$117.72	0.9%	$117.72	0.0	-	$0	$0	$0	0	-	$0	$0	$0
Floodlight, 250W	Standard	1,272	$77.04	$77.76	0.9%	$77.76	1145.7	1,457,288	$126,332	$88,262	$214,594	1145.67	1,457,288	$127,513	$89,087	$216,600
Floodlight, 400W	Standard	1,956	$77.04	$77.76	0.9%	$77.76	1664.1	3,254,947	$282,171	$128,201	$410,372	1664.08	3,254,947	$284,808	$129,399	$414,207
Roadway, 70W	Standard	360	$63.12	$63.72	1.0%	$63.72	518.8	186,750	$16,189	$32,744	$48,933	518.75	186,750	$16,341	$33,055	$49,395
Roadway, 100W	Standard	492	$63.12	$63.72	1.0%	$63.72	2087.2	1,026,886	$89,021	$131,742	$220,763	2087.17	1,026,886	$89,853	$132,994	$222,847
Roadway, 150W	Standard	720	$63.12	$63.72	1.0%	$63.72	1924.7	1,385,760	$120,131	$121,485	$241,616	1924.67	1,385,760	$121,254	$122,640	$243,894
Roadway, 250W	Standard	1,272	$63.12	$63.72	1.0%	$63.72	1441.6	1,833,694	$158,963	$90,993	$249,955	1441.58	1,833,694	$160,448	$91,858	$252,306
Roadway, 400W	Standard	1,956	$63.12	$63.72	1.0%	$63.72	1719.2	3,362,690	$291,511	$108,514	$400,025	1719.17	3,362,690	$294,235	$109,545	$403,781
Shoebox, 100W	Closed	492	$94.44	$95.28	0.9%	$95.28	0.0	-	$0	$0	$0	0	-	$0	$0	$0
Shoebox, 150W	Closed	720	$94.44	$95.28	0.9%	$95.28	0.0	-	$0	$0	$0	0	-	$0	$0	$0
Shoebox, 250W	Closed	1,272	$94.44	$95.28	0.9%	$95.28	1.0	1,272	$110	$94	$205	1	1,272	$111	$95	$207
Shoebox, 400W	Closed	1,956	$94.44	$95.28	0.9%	$95.28	8.0	15,648	$1,357	$756	$2,112	8	15,648	$1,369	$762	$2,131
Traditional, 70W	Closed	360	$63.12	$63.72	1.0%	$63.72	6.5	2,340	$203	$410	$613	6.5	2,340	$205	$414	$619
Traditional, 100W	Closed	492	$63.12	$63.72	1.0%	$63.72	19.0	9,348	$810	$1,199	$2,010	19	9,348	$818	$1,211	$2,029
Traditional, 150W	Closed	720	$63.12	$63.72	1.0%	$63.72	2.0	1,440	$125	$126	$251	2	1,440	$126	$127	$253
Floodlight, 1000W	Obsolete	4,620	$95.64	$96.48	0.9%	$96.48	281.2	1,298,990	$112,609	$26,891	$139,500	281.167	1,298,990	$113,662	$27,127	$140,789
Roadway, 1000W	Obsolete	4,620.0	$132.72	$133.92	0.9%	$133.92	179.7	830,060	$71,958	$23,845	$95,803	179.667	830,060	$72,630	$24,061	$96,691
Metal Halide																
Floodlight, 400W	Standard	1,884	$88.68	$89.52	0.9%	$89.52	891.5	1,679,586	$145,603	$79,058	$224,661	891.5	1,679,586	$146,964	$79,807	$226,771
Shoebox, 400W	Closed	1,884	$88.68	$89.52	0.9%	$89.52	32.0	60,288	$5,226	$2,838	$8,064	32	60,288	$5,275	$2,865	$8,140
Shoebox, 1000W	Closed	4,500	$88.68	$89.52	0.9%	$89.52	0.0	-	$0	$0	$0	0	-	$0	$0	$0
LL Flood MH 250	Standard	1,236	$88.68	$89.52	0.9%	$89.52	0	-	$0	$0	$0	0	-	$0	$0	$0
LL Flood MH 400	Standard	1,884	$88.68	$89.52	0.9%	$89.52	29.8	56,049	$4,859	$2,638	$7,497	29.75	56,049	$4,904	$2,663	$7,568
LL Flood MH 1000	Standard	4,500	$88.68	$89.52	0.9%	$89.52	0	-	$0	$0	$0	0	-	$0	$0	$0
Mercury Vapor																
Floodlight, 400W	Obsolete	1,992	$64.56	$65.16	0.9%	$65.16	75.3	149,898	$12,995	$4,858	$17,853	75.25	149,898	$13,116	$4,903	$18,019
Floodlight, 1000W	Obsolete	4,572	$98.28	$99.24	1.0%	$99.24	84.7	387,096	$33,557	$8,321	$41,878	84.6667	387,096	$33,871	$8,402	$42,273
Roadway, 175W	Obsolete	876	$64.56	$65.16	0.9%	$65.16	1810.9	1,586,363	$137,522	$116,913	$254,434	1810.92	1,586,363	$138,807	$117,999	$256,806
Roadway, 400W	Obsolete	1,992	$64.56	$65.16	0.9%	$65.16	1059.2	2,109,860	$182,903	$68,380	$251,283	1059.17	2,109,860	$184,613	$69,015	$253,628
Roadway, 1000W	Obsolete	4,572	$138.96	$140.28	0.9%	$140.28	212.1	969,645	$84,058	$29,471	$113,529	212.083	969,645	$84,844	$29,751	$114,595
POLES/STANDARDS																
Overhead Service																
Additional Wood Pole	Standard		$80.76	$81.48	0.9%		3963.9	-	$0	$320,126	$320,126	3963.92	-	$0	$322,980	$322,980
Underground Service																
Standards > 16 ft.																
Aluminum - AB - w/davit)	Closed		$222.00	$224.04	0.9%		17.0	-	$0	$3,774	$3,774	17	-	$0	$3,809	$3,809
Aluminum - AB - square)	Closed		$486.84	$491.40	0.9%		17.0	-	$0	$8,276	$8,276	17	-	$0	$8,354	$8,354
Fiberglass - AB - w/pendant arm)	Closed		$150.60	$152.04	1.0%		0.0	-	$0	$0	$0	0	-	$0	$0	$0
Standard <= 16 ft																
Aluminum - AB - square	Closed		$297.36	$300.12	0.9%		0.0	-	$0	$0	$0	0	-	$0	$0	$0
Fiberglass, AB	Closed		$77.04	$77.76	0.9%		108.0	-	$0	$8,320	$8,320	108	-	$0	$8,398	$8,398
Fiberglass, direct embedded (DE)	Closed		$103.08	$104.04	0.9%		62.5	-	$0	$6,443	$6,443	62.5	-	$0	$6,503	$6,503
SD Alum =<16' AB SQ	Standard		$297.36	$300.12	0.9%		0.0	-	$0	$0	$0	0	-	$0	$0	$0

Case 17-E-0238
Appendix 2
Schedule 8.3c
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669 | **1** | **0.9%**
Proposed T&D rate 0.0875 | Use Group Tariff Prices

Description	Rate Year 2 Facility Class	Billed Annual kWh per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue (j)	Rate Year 2 Annual Total Revenue (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
FOUNDATIONS																
Concrete - Cast-In-Place (CIP)																
For AB standard > 16 ft.	Closed		$258.72	$261.12	0.9%		9.0	-	$0	$2,328	$2,328	9	-	$0	$2,350	$2,350
For AB standard <= 16 ft.	Closed		$187.80	$189.60	1.0%		0.0	-	$0	$0	$0	0	-	$0	$0	$0
											$0					
Concrete - Pre-Cast (PC)																
for AB standards	Closed		$154.68	$156.12	0.9%		7.0	-	$0	$1,083	$1,083	7	-	$0	$1,093	$1,093
											$0					
Mechanical - Screw Type																
for AB standards	Obsolete		$116.28	$117.36	0.9%		126.0	-	$0	$14,651	$14,651	126	-	$0	$14,787	$14,787
CIRCUITRY																
Overhead Service - one span	Standard		$37.56	$37.92	1.0%		4787.3	-	$0	$179,809	$179,809	4787.25	-	$0	$181,533	$181,533
Underground Service																
Cable and conduit, per foot	Closed		$2.28	$2.28	0.0%		1997.0	-	$0	$4,553	$4,553	1997	-	$0	$4,553	$4,553
Cable only, per foot	Closed		$0.36	$0.36	0.0%		772.0	-	$0	$278	$278	772	-	$0	$278	$278
Direct buried cable, per foot	Closed		$1.44	$1.44	0.0%		6694.1	-	$0	$9,639	$9,639	6694.08	-	$0	$9,639	$9,639
				Annual Total				**21,736,230**	**$1,884,311**	**$1,643,933**	**$3,528,244**		**21,736,230**	**$1,901,920**	**$1,659,128**	**$3,561,048**
															0.92%	
													TARGET	$1,901,903	**$1,659,384**	$3,561,287
													PROPOSED MINUS TARGET	$17	-$256	-$239
															Error due to Tariff Rate rounding	

New Facility additions (no billed quantities)

LL Roadway LED-A	Standard	$0.00	$0.00
LL Roadway LED-B	Standard	$84.00	$84.24
LL Roadway LED-C	Standard	$88.80	$89.04
LL Roadway LED-D	Standard	$110.40	$110.76
LL Roadway LED-E	Standard	$0.00	$0.00
LL Roadway LED-F	Standard	$119.40	$119.76

Case 17-E-0238
Appendix 2
Schedule 8.3c
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669 | Leap Yr =1, NonLeapYr =0 | **1** | 33.1% | LED Facility % **0.3%**
Proposed T&D rate 0.08750 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.9%**
0.93% increase

Description	Rate Year 2 Facility Class	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue (j)	Rate Year 2 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
LAMPS																	
High Pressure Sodium																	
70W	Standard	86	$8.04	$8.16	1.5%	$ 8.16	43,820	15,714,890	$1,362,321	$352,316	$1,714,638	347.50	43,820	15,714,890	$1,375,053	$357,575	$1,732,628
24 HR - 70W	Standard	86	$16.08	$16.20	0.7%	$16.32	-	-	$0	$0	$0	730.00	-	-	$0	$0	$0
100W	Standard	118	$8.04	$8.16	1.5%	$8.16	82,836	40,760,293	$3,533,504	$666,002	$4,199,505	347.50	82,836	40,760,293	$3,566,526	$675,942	$4,242,468
24 HR - 100W	Standard	118	$16.08	$16.20	0.7%	$16.32	38	38,920	$3,374	$605	$3,979	730.00	38	38,920	$3,406	$610	$4,016
150W	Standard	173	$8.04	$8.16	1.5%	$8.16	32,467	23,421,848	$2,030,437	$261,033	$2,291,469	347.50	32,467	23,421,848	$2,049,412	$264,929	$2,314,340
24 HR - 150W	Standard	173	$16.08	$16.20	0.7%	$16.32	104	158,170	$13,712	$1,678	$15,390	730.00	104	158,170	$13,840	$1,691	$15,531
250W	Standard	304	$8.04	$8.16	1.5%	$8.16	25,276	32,041,541	$2,777,676	$203,217	$2,980,893	347.50	25,276	32,041,541	$2,803,635	$206,250	$3,009,885
24 HR - 250W	Standard	304	$16.08	$16.20	0.7%	$16.32	88	235,348	$20,402	$1,421	$21,823	730.00	88	235,348	$20,593	$1,432	$22,025
400W	Standard	470	$8.04	$8.16	1.5%	$8.16	**6,153**	12,059,009	$1,045,394	$49,469	$1,094,863	347.50	6,153	12,059,009	$1,055,163	$50,207	$1,105,371
24 HR - 400W	Standard	470	$16.08	$16.20	0.7%	$16.32	-	-	$0	$0	$0	730.00	-	-	$0	$0	$0
1000W	Closed	1106	$16.44	$16.56	0.7%	$16.56	313	1,442,177	$125,022	$5,141	$130,163	347.50	313	1,442,177	$126,191	$5,178	$131,369
Metal Halide								-						-			
175W	Standard	207	$55.56	$56.16	1.1%	$ 56.16	2,323	2,005,288	$173,838	$129,072	$302,910	347.50	2,323	2,005,288	$175,463	$130,466	$305,929
250W	Standard	295	$55.56	$56.16	1.1%	$56.16	275	338,281	$29,326	$15,279	$44,604	347.50	275	338,281	$29,600	$15,444	$45,043
400W	Standard	451	$55.56	$56.16	1.1%	$56.16	569	1,070,093	$92,766	$31,613	$124,380	347.50	569	1,070,093	$93,633	$31,955	$125,588
1000W	Closed	1078	$55.56	$56.16	1.1%	$56.16	2	7,321	$635	$90	$725	347.50	2	7,321	$641	$91	$732
Mercury Vapor								-						-			
100W	Obsolete	130	$6.84	$6.96	1.8%	$ 6.96	598	323,973	$28,085	$4,088	$32,173	347.50	598	323,973	$28,348	$4,159	$32,507
175W	Obsolete	211	$6.84	$6.96	1.8%	$6.96	1,462	1,286,769	$111,550	$10,003	$121,553	347.50	1,462	1,286,769	$112,592	$10,179	$122,771
400W	Obsolete	477	$6.84	$6.96	1.8%	$6.96	372	739,447	$64,103	$2,543	$66,645	347.50	372	739,447	$64,702	$2,587	$67,289
1000W	Obsolete	1095	$13.08	$13.20	0.9%	$13.20	4	18,592	$1,612	$53	$1,665	347.50	4	18,592	$1,627	$54	$1,681
250W (5 unit)	Obsolete	1535	$191.76	$193.68	1.0%	$193.68	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LAMP & LUMINAIRE																	
MV 100W Open Reflector	Obsolete	130	$87.84	$88.68	1.0%	$88.68	44	23,852	$2,068	$3,865	$5,933	347.50	44	23,852	$2,087	$3,902	$5,989
HPS 1000W High-Mast (6 unit)	Closed	6636	$1,019.28	$1,029.24	1.0%	$1,029.24	8	221,377	$19,191	$8,154	$27,345	347.50	8	221,377	$19,370	$8,234	$27,604
Incandescent																	
< 2500 lumen, Open Reflector	Obsolete	202	$75.12	$75.84	1.0%	$75.84	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
< 2500 lumen, Std Luminaire	Obsolete	202	$97.32	$98.28	1.0%	$98.28	1	842	$73	$97	$170	347.50	1	842	$74	$98	$172
4000 lumen, Open	Obsolete	327	$86.52	$87.36	1.0%	$87.36	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
4000 lumen, Enclosed	Obsolete	327	$100.32	$101.28	1.0%	$101.28	4	5,113	$443	$376	$819	347.50	4	5,113	$447	$380	$827
6000 lumen, Enclosed	Obsolete	448	$100.20	$101.16	1.0%	$101.16	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
10000 lumen, Enclosed	Obsolete	690	$152.04	$153.48	0.9%	$153.48	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LUMINAIRES																	
Aspen Grove 100	Standard		$101.04	$102.00	1.0%	$ 102.00	6,698		$0	$676,724	$676,724		6,698	-	$0	$683,154	$683,154
Aspen Grove 150	Standard		$101.04	$102.00	1.0%	$ 102.00	2,084		$0	$210,609	$210,609		2,084	-	$0	$212,611	$212,611
Aspen Grove 175	Standard		$101.04	$102.00	1.0%	$ 102.00	278		$0	$28,089	$28,089		278	-	$0	$28,356	$28,356
Aspen Grove 70	Standard		$101.04	$102.00	1.0%	$ 102.00	7,448		$0	$752,546	$752,546		7,448	-	$0	$759,696	$759,696
Buffalo Globe (5 unit), 250	Obsolete		$505.32	$510.24	1.0%	$510.24	-		$0	$0	$0		-	-	$0	$0	$0
Central Park 100	Standard		$123.36	$124.56	1.0%	$ 124.56	1,354		$0	$167,029	$167,029		1,354	-	$0	$168,654	$168,654
Central Park 175	Standard		$123.36	$124.56	1.0%	$ 124.56	864		$0	$106,573	$106,573		864	-	$0	$107,609	$107,609
Coach 100	Standard		$73.44	$74.16	1.0%	$ 74.04	1,299		$0	$95,411	$95,411		1,299	-	$0	$96,346	$96,346
Coach 150	Standard		$73.44	$74.16	1.0%	$ 74.04	179		$0	$13,146	$13,146		179	-	$0	$13,275	$13,275
Coach 175	Standard		$57.60	$58.20	1.0%	$ 74.04	20		$0	$1,152	$1,152		20	-	$0	$1,164	$1,164
Coach 70	Standard		$73.44	$74.16	1.0%	$ 74.04	1,897		$0	$139,316	$139,316		1,897	-	$0	$140,682	$140,682
Contemporary 70	Obsolete		$77.76	$78.48	0.9%	$ 78.48	192		$0	$14,930	$14,930		192	-	$0	$15,068	$15,068
Contemporary 100	Obsolete		$77.76	$78.48	0.9%	$ 78.48	163		$0	$12,688	$12,688		163	-	$0	$12,805	$12,805
Contemporary 150	Obsolete		$77.76	$78.48	0.9%	$ 78.48	24		$0	$1,866	$1,866		24	-	$0	$1,884	$1,884
Contemporary 175	Obsolete		$77.76	$78.48	0.9%	$ 78.48	24		$0	$1,866	$1,866		24	-	$0	$1,884	$1,884
Contemporary, 250	Obsolete		$77.76	$78.48	0.9%	$ 78.48	-		$0	$0	$0		-	-	$0	$0	$0
Contemporary, 400	Obsolete		$77.76	$78.48	0.9%	$ 78.48	-		$0	$0	$0		-	-	$0	$0	$0
Delaware Park 150	Standard		$200.16	$202.08	1.0%	$ 202.08	295		$0	$58,997	$58,997		295	-	$0	$59,563	$59,563
Delaware Park 175	Standard		$200.16	$202.08	1.0%	$ 202.08	251		$0	$50,140	$50,140		251	-	$0	$50,621	$50,621
Delaware Park 250	Standard		$247.20	$249.60	1.0%	$ 249.60	1,056		$0	$261,146	$261,146		1,056	-	$0	$263,682	$263,682

Case 17-E-0238
Appendix 2
Schedule 8.4c
Page 1 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669 | Leap Yr =1, NonLeapYr =0 | 1 | 33.1% | LED Facility % **0.3%**
Proposed T&D rate 0.08750 | Use Group Tariff Prices | **LED Conversion On** | **LED Conversion On** | All Other Facility % **0.9%**
0.93% increase

Description	Rate Year 2 Facility Class	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue (j)	Rate Year 2 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
Delaware Park 400	Standard		$247.20	$249.60	1.0%	$ 249.60	850		$0	$209,996	$209,996		850	-	$0	$212,035	$212,035
Delaware Park Pedestrian 100	Standard		$169.32	$171.00	1.0%	$ 171.00	91		$0	$15,408	$15,408		91	-	$0	$15,561	$15,561
Delaware Park Pedestrian 175	Standard		$169.32	$171.00	1.0%	$ 171.00	13		$0	$2,201	$2,201		13	-	$0	$2,223	$2,223
Delaware Park Pedestrian 70	Standard		$169.32	$171.00	1.0%	$ 171.00	240		$0	$40,637	$40,637		240	-	$0	$41,040	$41,040
Edison 70	Standard		$79.20	$79.92	0.9%	$ 79.92	125		$0	$9,900	$9,900		125	-	$0	$9,990	$9,990
Edison 100	Standard		$79.20	$79.92	0.9%	$ 79.92	1,254		$0	$99,350	$99,350		1,254	-	$0	$100,253	$100,253
Edison 150	Standard		$79.20	$79.92	0.9%	$ 79.92	808		$0	$63,954	$63,954		808	-	$0	$64,535	$64,535
Edgewater 100	Standard		$135.00	$136.32	1.0%	$ 136.32	756		$0	$102,083	$102,083		756	-	$0	$103,081	$103,081
Edgewater 150	Standard		$135.00	$136.32	1.0%	$ 136.32	531		$0	$71,674	$71,674		531	-	$0	$72,375	$72,375
Edgewater 175	Standard		$135.00	$136.32	1.0%	$ 136.32	138		$0	$18,675	$18,675		138	-	$0	$18,858	$18,858
Floodlight 250	Standard		$60.60	$61.20	1.0%	$ 61.20	281		$0	$17,013	$17,013		281	-	$0	$17,182	$17,182
Floodlight 400	Standard		$60.60	$61.20	1.0%	$ 61.20	498		$0	$30,149	$30,149		498	-	$0	$30,447	$30,447
Floodlight 1000	Obsolete		$60.60	$61.20	1.0%	$ 61.20	4		$0	$222	$222		4	-	$0	$224	$224
Franklin Square, 250	Closed		$137.16	$138.48	1.0%	$ 138.48	-		$0	$0	$0		-	-	$0	$0	$0
Franklin Square, 100	Closed		$137.16	$138.48	1.0%	$ 138.48	113		$0	$15,499	$15,499		113	-	$0	$15,648	$15,648
Franklin Square, 150	Closed		$137.16	$138.48	1.0%	$ 138.48	234		$0	$32,095	$32,095		234	-	$0	$32,404	$32,404
Franklin Square, 175	Closed		$137.16	$138.48	1.0%	$ 138.48	6		$0	$789	$789		6	-	$0	$796	$796
Globe, 150	Closed		$103.44	$104.40	0.9%	$ 104.40	-		$0	$0	$0		-	-	$0	$0	$0
Globe, 175	Closed		$79.44	$80.16	0.9%	$ 80.16	-		$0	$0	$0		-	-	$0	$0	$0
Little Falls - Post Top, 70	Closed		$126.96	$128.16	0.9%	$ 128.16	179		$0	$22,684	$22,684		179	-	$0	$22,898	$22,898
Little Falls - Teardrop, 70	Closed		$155.64	$157.20	1.0%	$ 157.20	79		$0	$12,296	$12,296		79	-	$0	$12,419	$12,419
Roadway 70	Standard		$55.92	$56.52	1.1%	$ 56.52	31,776		$0	$1,776,906	$1,776,906		31,776	-	$0	$1,795,972	$1,795,972
Roadway 100	Standard		$55.92	$56.52	1.1%	$ 56.52	65,157		$0	$3,643,554	$3,643,554		65,157	-	$0	$3,682,648	$3,682,648
Roadway 150	Standard		$55.92	$56.52	1.1%	$ 56.52	27,018		$0	$1,510,835	$1,510,835		27,018	-	$0	$1,527,046	$1,527,046
Roadway 175	Standard		$55.92	$56.52	1.1%	$ 56.52	1,076		$0	$60,160	$60,160		1,076	-	$0	$60,805	$60,805
Roadway 250	Standard		$55.92	$56.52	1.1%	$ 56.52	24,001		$0	$1,342,114	$1,342,114		24,001	-	$0	$1,356,514	$1,356,514
Roadway 400	Standard		$55.92	$56.52	1.1%	$ 56.52	**5,574**		$0	$311,677	$311,677		5,574	-	$0	$315,021	$315,021
Roadway, 1000	Closed		$126.72	$127.92	0.9%	$ 127.92	299		$0	$37,855	$37,855		299	-	$0	$38,214	$38,214
Setback 250	Standard		$111.00	$112.08	1.0%	$ 112.08	5		$0	$555	$555		5	-	$0	$560	$560
Setback 400	Standard		$111.00	$112.08	1.0%	$ 112.08	-		$0	$0	$0		-	-	$0	$0	$0
Shoebox 70	Standard		$66.72	$67.32	0.9%	$ 67.32	-		$0	$0	$0		-	-	$0	$0	$0
Shoebox 100	Standard		$66.72	$67.32	0.9%	$ 67.32	4		$0	$267	$267		4	-	$0	$269	$269
Shoebox 150	Standard		$66.72	$67.32	0.9%	$ 67.32	425		$0	$28,356	$28,356		425	-	$0	$28,611	$28,611
Shoebox 250	Standard		$66.72	$67.32	0.9%	$ 67.32	237		$0	$15,785	$15,785		237	-	$0	$15,927	$15,927
Shoebox 400	Standard		$66.72	$67.32	0.9%	$ 67.32	126		$0	$8,429	$8,429		126	-	$0	$8,505	$8,505
Shoebox, 1000	Closed		$151.68	$153.12	0.9%	$153.12	16		$0	$2,427	$2,427		16	-	$0	$2,450	$2,450
Traditional 100	Standard		$49.44	$49.92	1.0%	$ 49.92	5,508		$0	$272,320	$272,320		5,508	-	$0	$274,964	$274,964
Traditional 150	Standard		$49.44	$49.92	1.0%	$ 49.92	313		$0	$15,483	$15,483		313	-	$0	$15,633	$15,633
Traditional 175	Standard		$49.44	$49.92	1.0%	$ 49.92	152		$0	$7,527	$7,527		152	-	$0	$7,600	$7,600
Traditional 70	Standard		$49.44	$49.92	1.0%	$ 49.92	1,819		$0	$89,948	$89,948		1,819	-	$0	$90,821	$90,821
Underpass 100	Standard		$83.88	$84.72	1.0%	$ 83.28	810		$0	$67,915	$67,915		810	-	$0	$68,595	$68,595
Underpass 150	Standard		$83.88	$84.72	1.0%	$ 83.28	162		$0	$13,610	$13,610		162	-	$0	$13,746	$13,746
Underpass 175	Standard		$83.88	$84.72	1.0%	$ 83.28	-		$0	$0	$0		-	-	$0	$0	$0
Underpass 250	Closed		$61.20	$61.80	1.0%	$ 83.28	64		$0	$3,902	$3,902		64	-	$0	$3,940	$3,940
Underpass 70	Standard		$83.88	$84.72	1.0%	$ 83.28	-		$0	$0	$0		-	-	$0	$0	$0
Washington (Armory Square) 100	Closed		$134.40	$135.72	1.0%	$135.72	187		$0	$25,133	$25,133		187	-	$0	$25,380	$25,380
Williamsville 100	Standard		$115.92	$117.00	0.9%	$ 117.00	182		$0	$21,059	$21,059		182	-	$0	$21,255	$21,255
Williamsville 150	Standard		$115.92	$117.00	0.9%	$ 117.00	392		$0	$45,402	$45,402		392	-	$0	$45,825	$45,825
Williamsville 175	Standard		$115.92	$117.00	0.9%	$ 117.00	882		$0	$102,270	$102,270		882	-	$0	$103,223	$103,223
Williamsville 70	Standard		$115.92	$117.00	0.9%	$ 117.00	102		$0	$11,824	$11,824		102	-	$0	$11,934	$11,934

Case 17-E-0238
Appendix 2
Schedule 8.4c
Page 2 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669 — Leap Yr =1, NonLeapYr =0 — 1 — 33.1% LED Facility % — **0.3%**
Proposed T&D rate 0.08750 — Use Group Tariff Prices — **LED Conversion On** — **LED Conversion On** — All Other Facility % — **0.9%**
0.93% increase

Description	Rate Year 2 Facility Class	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue (j)	Rate Year 2 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
POLES/STANDARDS																	
Standard/Pole > 16 ft - OH Service																	
Steel, anchor base	Closed		$179.04	$180.84	1.0%	$ 180.84	1,097		$0	$196,332	$196,332		1,097	-	$0	$198,306	$198,306
aluminum, anchor base	Closed		$179.04	$180.84	1.0%	$ 180.84	206		$0	$36,957	$36,957		206	-	$0	$37,328	$37,328
Concrete , DE - Metropolitan	Standard		$271.56	$274.20	1.0%		30		$0	$8,237	$8,237		30	-	$0	$8,317	$8,317
WoodPole			$0.00	$0.00			739		$0	$0	$0		739	-	$0	$0	$0
Standard > 16 ft for UG or URD Service																	
Aluminum, anchor base	Standard		$256.80	$259.32	1.0%	$ 259.32	5,294		$0	$1,359,435	$1,359,435		5,294	-	$0	$1,372,775	$1,372,775
Aluminum, anchor base, heavy duty	Standard		$256.80	$259.32	1.0%	$ 259.32	54		$0	$13,846	$13,846		54	-	$0	$13,982	$13,982
Aluminum, anchor base, square	Standard		$513.48	$518.52	1.0%		546		$0	$280,488	$280,488		546	-	$0	$283,242	$283,242
Fiberglass, anchor base	Standard		$173.40	$175.08	1.0%		303		$0	$52,540	$52,540		303	-	$0	$53,049	$53,049
steel, anchor base (50 ft round)	Closed		$325.08	$328.20	1.0%		8		$0	$2,601	$2,601		8	-	$0	$2,626	$2,626
steel, anchor base (35 ft square)	Closed		$184.32	$186.12	1.0%		13		$0	$2,396	$2,396		13	-	$0	$2,420	$2,420
steel, anchor base	Closed		$256.80	$259.32	1.0%	$ 259.32	2,764		$0	$709,859	$709,859		2,764	-	$0	$716,825	$716,825
steel, anchor base, heavy duty	Closed		$256.80	$259.32	1.0%	$ 259.32	14		$0	$3,595	$3,595		14	-	$0	$3,630	$3,630
steel, anchor base, traf signal, 1 arm	Obsolete		$480.48	$485.16	1.0%		-		$0	$0	$0		-	-	$0	$0	$0
steel, AB, traf signal, >= 10 per unit	Obsolete		$1,020.96	$1,030.92	1.0%		-		$0	$0	$0		-	-	$0	$0	$0
Standard <= 16 ft for UG or URD Service																	
Aluminum, anchor base, Villager	Standard		$112.20	$113.28	1.0%	$ 113.28	883		$0	$99,091	$99,091		883	-	$0	$100,045	$100,045
Fiberglass, anchor base	Standard		$67.44	$68.04	0.9%		2,518		$0	$169,786	$169,786		2,518	-	$0	$171,296	$171,296
Fiberglass, direct embedded	Standard		$92.76	$93.72	1.0%		9,146		$0	$848,414	$848,414		9,146	-	$0	$857,194	$857,194
steel, anchor base	Closed		$112.20	$113.28	1.0%	$ 113.28	4,799		$0	$538,485	$538,485		4,799	-	$0	$543,668	$543,668
steel, direct embedded	Closed		$132.36	$133.68	1.0%		2,740		$0	$362,655	$362,655		2,740	-	$0	$366,272	$366,272
aluminum, anchor base (square)	Closed		$140.76	$142.08	0.9%		77		$0	$10,839	$10,839		77	-	$0	$10,940	$10,940
Decorative Standard > 16 ft, for UG Service																	
Alum. AB Niagara Rdwy (no base)	Standard		$650.76	$657.12	1.0%		196		$0	$127,549	$127,549		196	-	$0	$128,796	$128,796
Decorative Standard <= 16 ft, for UG or URD Service																	
Aluminum, AB, Armory Square	Standard		$336.84	$340.08	1.0%		820		$0	$276,068	$276,068		820	-	$0	$278,724	$278,724
Fiberglass, AB, Presidential	Standard		$157.20	$158.76	1.0%		2,424		$0	$381,014	$381,014		2,424	-	$0	$384,795	$384,795
Fiberglass, DE, Presidential	Standard		$230.88	$233.16	1.0%		109		$0	$25,166	$25,166		109	-	$0	$25,414	$25,414
aluminum, AB, Little Falls	Closed		$198.60	$200.52	1.0%		160		$0	$31,710	$31,710		160	-	$0	$32,016	$32,016
aluminum, AB, Winter Park	Closed		$312.00	$315.00	1.0%		-		$0	$0	$0		-	-	$0	$0	$0
cast iron, AB, Armory Square	Closed		$374.40	$378.00	1.0%		50		$0	$18,720	$18,720		50	-	$0	$18,900	$18,900
Accessory																	
tenon mounting adaptor	Standard		$43.44	$43.92	1.1%		36		$0	$1,564	$1,564		36	-	$0	$1,581	$1,581
ARMS AND BRACKETS																	
Arm for Standard > 16ft																	
decorative, Niagara Pedestrian, single	Standard		$189.84	$191.64	0.9%		55		$0	$10,441	$10,441		55	-	$0	$10,540	$10,540
Arm for Standard <= 16ft																	
Dcr. crossarm, double, ornamental	Standard		$102.96	$103.92	0.9%		-		$0	$0	$0		-	-	$0	$0	$0
Dcr. crossarm, double, contemporary	Standard		$102.96	$103.92	0.9%		-		$0	$0	$0		-	-	$0	$0	$0
Dcr. crossarm, double, ornamental	Standard		$102.96	$103.92	0.9%		382		$0	$39,314	$39,314		382	-	$0	$39,680	$39,680
Dcr. (cane/scroll), alum., Little Falls	Closed		$111.00	$112.08	1.0%		72		$0	$7,992	$7,992		72	-	$0	$8,070	$8,070
Bracket for Wood Pole																	
decorative, Park Ave South, single	Standard		$105.84	$106.92	1.0%		322		$0	$34,045	$34,045		322	-	$0	$34,393	$34,393
décor., Metropolitan, all types/sizes	Standard		$70.56	$71.28	1.0%		-		$0	$0	$0		-	-	$0	$0	$0

Case 17-E-0238
Appendix 2
Schedule 8.4c
Page 3 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669 — Leap Yr =1, NonLeapYr =0 — 1 — 33.1% — LED Facility % **0.3%**
Proposed T&D rate 0.08750 — Use Group Tariff Prices — **LED Conversion On** — **LED Conversion On** — All Other Facility % **0.9%**
0.93% increase

Description	Rate Year 2 Facility Class	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue (j)	Rate Year 2 Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY'18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
BASES																	
Decorative: Metropolitan Base	Standard		$152.04	$153.48	0.9%		-		$0	$0	$0		-	-	$0	$0	$0
Alum. Niagara Base	Standard		$289.56	$292.32	1.0%		58		$0	$16,794	$16,794		58	-	$0	$16,955	$16,955
FOUNDATIONS																	
Concrete - Cast-In-Place - for:																	
AB SD > 16 ft	Standard		$216.36	$218.52	1.0%		12,568		$0	$2,719,285	$2,719,285		12,568	-	$0	$2,746,432	$2,746,432
AB SD > 16 ft, heavy duty	Standard		$216.36	$218.52	1.0%		166		$0	$35,916	$35,916		166	-	$0	$36,274	$36,274
AB SD <= 16 ft	Standard		$216.36	$218.52	1.0%		6,536		$0	$1,414,075	$1,414,075		6,536	-	$0	$1,428,192	$1,428,192
AB SD > 16 ft, double size	Closed		$216.36	$218.52	1.0%		1		$0	$144	$144		1	-	$0	$146	$146
AB SD > 16 ft, extra heavy duty	Closed		$216.36	$218.52	1.0%		15		$0	$3,245	$3,245		15	-	$0	$3,278	$3,278
FD Conc Foundation	Standard		$216.36	$218.52	1.0%		-		$0	$0	$0		-	-	$0	$0	$0
Concrete - Pre-Cast																	
for anchor base standard > 16 ft	Standard		$216.36	$218.52	1.0%		453		$0	$98,065	$98,065		453	-	$0	$99,044	$99,044
for anchor base standard <= 16 ft	Standard		$216.36	$218.52	1.0%		581		$0	$125,633	$125,633		581	-	$0	$126,887	$126,887
Mechanical - Screw Type																	
for AB standards, all applications	Obsolete		$110.52	$111.60	1.0%		10,038		$0	$1,109,446	$1,109,446		10,038	-	$0	$1,120,287	$1,120,287
CIRCUITRY																	
UG Service																	
cable and conduit	Standard		$118.68	$119.88	1.0%		19,310		$0	$2,291,701	$2,291,701		19,310	-	$0	$2,314,873	$2,314,873
cable only	Standard		$118.68	$119.88	1.0%		17,103		$0	$2,029,833	$2,029,833		17,103	-	$0	$2,050,358	$2,050,358
direct buried cable	Standard		$118.68	$119.88	1.0%		7,756		$0	$920,502	$920,502		7,756	-	$0	$929,809	$929,809
CR UG Circuit sect	Standard		$118.68	$119.88	1.0%		-		$0	$0	$0		-	-	$0	$0	$0
URD Service																	
direct buried cable	Standard		$88.44	$89.28	0.9%		13,179		$0	$1,165,588	$1,165,588		13,179	-	$0	$1,176,658	$1,176,658
CR URD Circuit sect	Standard		$88.44	$89.28	0.9%		-		$0	$0	$0		-	-	$0	$0	$0
CONVENIENCE OUTLETS																	
On New Metal/Composite Stnd	Standard		$53.64	$54.12	0.9%	$ 54.12	1,707		$0	$91,550	$91,550		1,707	-	$0	$92,369	$92,369
On Existing Metal/Composite Stnd	Standard		$53.64	$54.12	0.9%	$ 54.12	361		$0	$19,386	$19,386		361	-	$0	$19,560	$19,560
On Any Wood Pole	Standard		$53.64	$54.12	0.9%	$ 54.12	809		$0	$43,408	$43,408		809	-	$0	$43,797	$43,797
Festoon Outlet - Old	Obsolete		$5.52	$5.52	0.0%		60		$0	$331	$331		60	-	$0	$331	$331
SURV CAMERA ATTACH							3		$0	$0	$0		3	-	$0	$0	$0
L E D																	
LL Roadway LED-A	Standard	0	$0.00	$0.00	#DIV/0!	$0.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LL Roadway LED-B	Standard	25	$84.00	$84.24	0.3%	$84.24	16,086	1,676,937	$145,373	$1,351,201	$1,496,574	347.50	16,086	1,676,937	$146,732	$1,355,062	$1,501,794
LL Roadway LED-C	Standard	48	$88.80	$89.04	0.3%	$89.04	15,137	3,029,841	$262,656	$1,344,174	$1,606,831	347.50	15,137	3,029,841	$265,111	$1,347,807	$1,612,918
LL Roadway LED-D	Standard	96	$110.40	$110.76	0.3%	$110.76	5,963	2,387,018	$206,930	$658,290	$865,221	347.50	5,963	2,387,018	$208,864	$660,437	$869,301
LL Roadway LED-E	Standard	0	$0.00	$0.00	#DIV/0!	$0.00	-	-	$0	$0	$0	347.50	-	-	$0	$0	$0
LL Roadway LED-F	Standard	210	$119.40	$119.76	0.3%	$119.76	1,454	1,273,618	$110,410	$173,655	$284,065	347.50	1,454	1,273,618	$111,442	$174,179	$285,621
						Annual S.C. 2 Non Price Exception Usage and Revenue		140,280,560	$12,160,901	$35,779,644	$47,940,545			140,280,560	$12,274,549	$36,123,403	$48,397,952
						* Annual S.C.2 Price Exception Usage and Revenue		71,610	$6,208	$737,440	$743,648			71,610	$6,266	$760,480	$766,746
						Annual S.C. 2 Total		**140,352,171**	**$12,167,109**	**$36,517,085**	**$48,684,194**			**140,352,171**	**$12,280,815**	**$36,883,883**	**$49,164,698**
									12,338,709	36,520,156							

New Facility additions (no billed quantities)

24 HR - LL Roadway LED-B	Standard	$ 176.96
24 HR - LL Roadway LED-C	Standard	$ 187.05
24 HR - LL Roadway LED-D	Standard	$ 232.68
24 HR - LL Roadway LED-F	Standard	$ 251.58

		'No PE Phase-Out to Retail	
TARGET REVENUE	$12,280,703	**$36,864,881**	$49,145,584
PROPOSED MINUS TARGET	$112	$19,002	$19,114
		0.052%	
		Error due to Tariff Rate rounding	

Case 17-E-0238
Appendix 2
Schedule 8.4c
Page 4 of 4

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 2 T&D rate 0.08669
Proposed T&D rate 0.0875

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
AMHERST CENTRAL SCHOOL D	FD Concrete >16'	5,243,017,740		218.52	$70.39	$72.59	3.1%	4	-	$0	$282	$282		4	-	$0	$290	$290
AMHERST CENTRAL SCHOOL D	CR UG Cable & Cndt	4,356,054,170		119.88	$110.57	$114.02	3.1%	4	-	$0	$442	$442		4	-	$0	$456	$456
								Subtotal:	-	$0	$724	$724		Subtotal:	-	$0	$746	$746
CHAUTAUQUA UTILITY DIST	LL Open IN 1000	8,975,335,963	103	84.12817	$83.35	$85.95	3.1%	62.2	26,702	$2,315	$5,182	$7,496	347.50	62	26,702	$2,336	$5,343	$7,680
CHAUTAUQUA UTILITY DIST	PL Wood OH	6,131,161,511		29.70476	$29.43	$30.35	3.1%	77.5	-	$0	$2,281	$2,281		78	-	$0	$2,352	$2,352
								Subtotal:	26,702	$2,315	$7,462	$9,777		Subtotal:	26,702	$2,336	$7,695	$10,032
CITY OF BUFFALO	FD Concrete =<16'	6,046,143,561		218.52	$34.55	$35.63	3.1%	17.0	-	$0	$587	$587		17	-	$0	$606	$606
CITY OF BUFFALO	FD Concrete =<16'	8,938,042,980		218.52	$28.20	$29.08	3.1%	25.3	-	$0	$714	$714		25	-	$0	$737	$737
CITY OF BUFFALO	FD Concrete =<16'	9,147,825,578		218.52	$14.03	$14.47	3.1%	14.8	-	$0	$207	$207		15	-	$0	$213	$213
CITY OF BUFFALO	FD Concrete >16'	220,850,408		218.52	$46.30	$47.75	3.1%	605.6	-	$0	$28,039	$28,039		606	-	$0	$28,917	$28,917
CITY OF BUFFALO	FD Concrete >16'	1,461,426,714		218.52	$58.67	$60.50	3.1%	123.8	-	$0	$7,260	$7,260		124	-	$0	$7,487	$7,487
CITY OF BUFFALO	FD Concrete >16'	1,789,300,004		218.52	$35.81	$36.93	3.1%	583.6	-	$0	$20,898	$20,898		584	-	$0	$21,552	$21,552
CITY OF BUFFALO	FD Concrete >16'	5,017,348,183		218.52	$51.88	$53.50	3.1%	1034.7	-	$0	$53,679	$53,679		1,035	-	$0	$55,355	$55,355
CITY OF BUFFALO	CR UG Cable & Cndt	2,127,072,470		119.88	$92.17	$95.05	3.1%	124.3	-	$0	$11,460	$11,460		124	-	$0	$11,818	$11,818
CITY OF BUFFALO	CR UG Cable & Cndt	4,159,199,691		119.88	$92.01	$94.88	3.1%	17.0	-	$0	$1,564	$1,564		17	-	$0	$1,613	$1,613
CITY OF BUFFALO	CR UG Cable & Cndt	4,571,348,813		119.88	$45.71	$47.14	3.1%	2274.7	-	$0	$103,975	$103,975		2,275	-	$0	$107,228	$107,228
CITY OF BUFFALO	CR UG Cable & Cndt	5,953,826,738		119.88	$56.25	$58.01	3.1%	575.2	-	$0	$32,353	$32,353		575	-	$0	$33,365	$33,365
CITY OF BUFFALO	CR UG Cable & Cndt	688,009,980		119.88	$35.27	$36.37	3.1%	15.5	-	$0	$547	$547		16	-	$0	$564	$564
CITY OF BUFFALO	CR UG Cable & Cndt	9,423,276,332		119.88	$97.68	$100.73	3.1%	1168.6	-	$0	$114,147	$114,147		1,169	-	$0	$117,711	$117,711
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt	9,750,049,700		119.88	$45.71	$47.14	3.1%	9.0	-	$0	$411	$411		9	-	$0	$424	$424
								Subtotal:	-	$0	$375,842	$375,842		Subtotal:	-	$0	$387,589	$387,589
CITY OF SCHENECTADY	LL Enclosed IN <2500	2,514,003,640	202	98.28	$43.68	$45.04	3.1%	24	20,217	$1,753	$1,048	$2,801	347.50	24	20,217	$1,769	$1,081	$2,850
CITY OF SCHENECTADY	SD Steel =<16' AB PT	9,057,251,892		113.28	$24.08	$24.83	3.1%	24	-	$0	$578	$578		24	-	$0	$596	$596
CITY OF SCHENECTADY	FD Concrete =<16'	119,391,034		218.52	$34.36	$35.43	3.1%	24	-	$0	$825	$825		24	-	$0	$850	$850
CITY OF SCHENECTADY	CR UG Cable & Cndt	923,523,835		119.88	$92.02	$94.89	3.1%	24	-	$0	$2,208	$2,208		24	-	$0	$2,277	$2,277
								Subtotal:	20,217	$1,753	$4,659	$6,412		Subtotal:	20,217	$1,769	$4,805	$6,574
CITY OF SYRACUSE DPW	SD Steel =<16' AB PT	3,793,634,146		113.28	$15.42	$15.90	3.1%	495.0	-	$0	$7,633	$7,633		495	-	$0	$7,871	$7,871
CITY OF SYRACUSE DPW	SD Steel >16' AB	7,967,450,484		259.32	$61.22	$63.13	3.1%	11.0	-	$0	$673	$673		11	-	$0	$694	$694
CITY OF SYRACUSE DPW	SD Alum Armory Sq AB	6,396,732,077		340.08	$15.42	$15.90	3.1%	1.0	-	$0	$15	$15		1	-	$0	$16	$16
CITY OF SYRACUSE DPW	FD Concrete =<16'	3,332,548,425		218.52	$22.05	$22.74	3.1%	503.0	-	$0	$11,091	$11,091		503	-	$0	$11,438	$11,438
CITY OF SYRACUSE DPW	FD Concrete =<16'	9,725,348,453		218.52	$22.62	$23.33	3.1%	51.0	-	$0	$1,154	$1,154		51	-	$0	$1,190	$1,190
CITY OF SYRACUSE DPW	FD Concrete >16'	2,434,895,558		218.52	$94.78	$97.74	3.1%	11.0	-	$0	$1,043	$1,043		11	-	$0	$1,075	$1,075
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	752,702,727		119.88	$63.39	$65.37	3.1%	510.3	-	$0	$32,345	$32,345		510	-	$0	$33,355	$33,355
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	8,032,131,921		119.88	$60.24	$62.12	3.1%	48.6	-	$0	$2,927	$2,927		49	-	$0	$3,018	$3,018
								Subtotal:	-	$0	$56,880	$56,880		Subtotal:	-	$0	$58,657	$58,657
CITY OF UTICA DPW	LL Enclosed IN 4000	805,054,350	327	101.28	$40.74	$42.01	3.1%	8	10,909	$946	$326	$1,272	347.50	8	10,909	$955	$336	$1,291
CITY OF UTICA DPW	SD Steel >16' AB	8,996,557,075		259.32	$39.10	$40.32	3.1%	8	-	$0	$313	$313		8	-	$0	$323	$323
CITY OF UTICA DPW	FD Concrete >16'	2,978,195,981		218.52	$60.53	$62.42	3.1%	8	-	$0	$484	$484		8	-	$0	$499	$499
CITY OF UTICA DPW	CR UG Cable & Cndt	8,212,261,222		119.88	$95.14	$98.11	3.1%	8	-	$0	$761	$761		8	-	$0	$785	$785
								Subtotal:	10,909	$946	$1,884	$2,830		Subtotal:	10,909	$955	$1,943	$2,897
MUSUEM OF SCIENCE & TEC	FD Concrete =<16'	9,761,380,833		218.52	$38.38	$39.58	3.1%	4	-	$0	$154	$154		4	-	$0	$158	$158
MUSUEM OF SCIENCE & TEC	CR UG Cable & Cndt	6,113,511,345		119.88	$147.09	$151.68	3.1%	4	-	$0	$588	$588		4	-	$0	$607	$607
								Subtotal:	-	$0	$742	$742		Subtotal:	-	$0	$765	$765
TOWN OF AMHERST	CR UG Cable & Cndt	1,198,891,209		119.88	$72.89	$75.17	3.1%	37	-	$0	$2,697	$2,697		37	-	$0	$2,781	$2,781
TOWN OF AMHERST	CR UG Cable & Cndt	40,907,619		119.88	$72.89	$75.17	3.1%	26	-	$0	$1,895	$1,895		26	-	$0	$1,954	$1,954
TOWN OF AMHERST	CR UG Cable & Cndt	8,598,118,892		119.88	$72.89	$75.17	3.1%	17	-	$0	$1,239	$1,239		17	-	$0	$1,278	$1,278
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,621,896		119.88	$72.89	$75.17	3.1%	239	-	$0	$17,421	$17,421		239	-	$0	$17,966	$17,966
TOWN OF AMHERST	FD Concrete =<16'	5,059,173,002		218.52	$30.96	$31.93	3.1%	4	-	$0	$124	$124		4	-	$0	$128	$128
TOWN OF AMHERST	CR UG Cable & Cndt	159,784,008		119.88	$82.44	$85.01	3.1%	4	-	$0	$330	$330		4	-	$0	$340	$340
TOWN OF AMHERST	CR UG Cable & Cndt	4,693,984,849		119.88	$72.89	$75.17	3.1%	28	-	$0	$2,041	$2,041		28	-	$0	$2,105	$2,105
TOWN OF AMHERST	CR UG Cable & Cndt	5,186,832,478		119.88	$72.89	$75.17	3.1%	74	-	$0	$5,394	$5,394		74	-	$0	$5,563	$5,563

Case 17-E-0238
Appendix 2
Schedule 8.5c
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 2 T&D rate 0.08669
Proposed T&D rate 0.0875

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	8,553,921,449		119.88	$72.89	$75.17	3.1%	21	-	$0	$1,531	$1,531		21	-	$0	$1,579	$1,579
TOWN OF AMHERST	CR UG Cable & Cndt	6,092,628,736		119.88	$72.89	$75.17	3.1%	16	-	$0	$1,166	$1,166		16	-	$0	$1,203	$1,203
TOWN OF AMHERST	CR UG Cable & Cndt	8,019,098,590		119.88	$72.89	$75.17	3.1%	8	-	$0	$583	$583		8	-	$0	$601	$601
TOWN OF AMHERST	CR UG Cable & Cndt	3,826,074,801		119.88	$72.89	$75.17	3.1%	6	-	$0	$437	$437		6	-	$0	$451	$451
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224,592		119.88	$72.89	$75.17	3.1%	20	-	$0	$1,458	$1,458		20	-	$0	$1,503	$1,503
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658		119.88	$72.89	$75.17	3.1%	17	-	$0	$1,239	$1,239		17	-	$0	$1,278	$1,278
TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941		119.88	$72.89	$75.17	3.1%	21	-	$0	$1,531	$1,531		21	-	$0	$1,579	$1,579
TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911,599		119.88	$72.89	$75.17	3.1%	14	-	$0	$1,020	$1,020		14	-	$0	$1,052	$1,052
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749		119.88	$72.89	$75.17	3.1%	29	-	$0	$2,114	$2,114		29	-	$0	$2,180	$2,180
TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157,341		119.88	$72.89	$75.17	3.1%	22	-	$0	$1,604	$1,604		22	-	$0	$1,654	$1,654
TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291,823		119.88	$72.89	$75.17	3.1%	2	-	$0	$146	$146		2	-	$0	$150	$150
TOWN OF AMHERST	FD Concrete >16'	3,598,117,791		218.52	$30.96	$31.93	3.1%	20	-	$0	$619	$619		20	-	$0	$639	$639
TOWN OF AMHERST	CR UG Cable & Cndt	959,770,108		119.88	$82.44	$85.01	3.1%	20	-	$0	$1,649	$1,649		20	-	$0	$1,700	$1,700
TOWN OF AMHERST	FD Concrete >16'	1,186,852,478		218.52	$30.96	$31.93	3.1%	13	-	$0	$402	$402		13	-	$0	$415	$415
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205		119.88	$82.44	$85.01	3.1%	13	-	$0	$1,072	$1,072		13	-	$0	$1,105	$1,105
TOWN OF AMHERST	FD Concrete >16'	5,321,916,719		218.52	$30.96	$31.93	3.1%	37	-	$0	$1,146	$1,146		37	-	$0	$1,181	$1,181
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464		119.88	$82.44	$85.01	3.1%	37	-	$0	$3,050	$3,050		37	-	$0	$3,145	$3,145
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947		119.88	$72.89	$75.17	3.1%	22	-	$0	$1,604	$1,604		22	-	$0	$1,654	$1,654
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419		119.88	$72.89	$75.17	3.1%	23	-	$0	$1,676	$1,676		23	-	$0	$1,729	$1,729
TOWN OF AMHERST	FD Concrete >16'	3,178,546,595		218.52	$30.96	$31.93	3.1%	10	-	$0	$310	$310		10	-	$0	$319	$319
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318		119.88	$82.44	$85.01	3.1%	10	-	$0	$824	$824		10	-	$0	$850	$850
TOWN OF AMHERST	FD Concrete >16'	5,423,709,947		218.52	$30.96	$31.93	3.1%	15	-	$0	$464	$464		15	-	$0	$479	$479
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458,974		119.88	$82.44	$85.01	3.1%	15	-	$0	$1,237	$1,237		15	-	$0	$1,275	$1,275
TOWN OF AMHERST	FD Concrete >16'	2,973,199,251		218.52	$30.96	$31.93	3.1%	5	-	$0	$155	$155		5	-	$0	$160	$160
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411,684		119.88	$82.44	$85.01	3.1%	5	-	$0	$412	$412		5	-	$0	$425	$425
TOWN OF AMHERST	FD Concrete >16'	8,626,110,861		218.52	$30.96	$31.93	3.1%	5	-	$0	$155	$155		5	-	$0	$160	$160
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905		119.88	$82.44	$85.01	3.1%	5	-	$0	$412	$412		5	-	$0	$425	$425
TOWN OF AMHERST	FD Concrete =<16'	9,002,641,036		218.52	$30.96	$31.93	3.1%	32	-	$0	$991	$991		32	-	$0	$1,022	$1,022
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700		119.88	$82.44	$85.01	3.1%	32	-	$0	$2,638	$2,638		32	-	$0	$2,720	$2,720
TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406,914		119.88	$72.89	$75.17	3.1%	50	-	$0	$3,645	$3,645		50	-	$0	$3,759	$3,759
TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221		119.88	$72.89	$75.17	3.1%	18	-	$0	$1,312	$1,312		18	-	$0	$1,353	$1,353
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974		119.88	$72.89	$75.17	3.1%	19	-	$0	$1,385	$1,385		19	-	$0	$1,428	$1,428
TOWN OF AMHERST	FD Concrete >16'	2,449,189,902		218.52	$30.96	$31.93	3.1%	17	-	$0	$526	$526		17	-	$0	$543	$543
TOWN OF AMHERST	CR UG Cable & Cndt	8,593,764,057		119.88	$82.44	$85.01	3.1%	17	-	$0	$1,401	$1,401		17	-	$0	$1,445	$1,445
TOWN OF AMHERST	CR UG Cable Only	5,055,312,853		119.88	$17.95	$18.51	3.1%	36	-	$0	$646	$646		36	-	$0	$666	$666
TOWN OF AMHERST	FD Concrete >16'	681,267,422		218.52	$30.96	$31.93	3.1%	10	-	$0	$310	$310		10	-	$0	$319	$319
TOWN OF AMHERST	CR UG Cable & Cndt	2,044,788,767		119.88	$82.44	$85.01	3.1%	10	-	$0	$824	$824		10	-	$0	$850	$850
TOWN OF AMHERST	CR UG Cable & Cndt	5,036,500,765		119.88	$72.89	$75.17	3.1%	13	-	$0	$948	$948		13	-	$0	$977	$977
TOWN OF AMHERST	FD Concrete =<16'	4,344,224,942		218.52	$30.96	$31.93	3.1%	11	-	$0	$341	$341		11	-	$0	$351	$351
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664		119.88	$82.44	$85.01	3.1%	11	-	$0	$907	$907		11	-	$0	$935	$935
TOWN OF AMHERST	FD Concrete >16'	9,864,202,652		218.52	$30.96	$31.93	3.1%	7	-	$0	$217	$217		7	-	$0	$224	$224
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395		119.88	$82.44	$85.01	3.1%	7	-	$0	$577	$577		7	-	$0	$595	$595
TOWN OF AMHERST	FD Concrete >16'	2,270,561,615		218.52	$30.96	$31.93	3.1%	9	-	$0	$279	$279		9	-	$0	$287	$287
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213,912		119.88	$82.44	$85.01	3.1%	9	-	$0	$742	$742		9	-	$0	$765	$765
TOWN OF AMHERST	FD Concrete >16'	7,381,334,533		218.52	$30.96	$31.93	3.1%	5	-	$0	$155	$155		5	-	$0	$160	$160
TOWN OF AMHERST	CR UG Cable & Cndt	1,791,555,525		119.88	$82.44	$85.01	3.1%	5	-	$0	$412	$412		5	-	$0	$425	$425
TOWN OF AMHERST	FD Concrete >16'	6,591,623,476		218.52	$30.96	$31.93	3.1%	8	-	$0	$248	$248		8	-	$0	$255	$255
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756		119.88	$82.44	$85.01	3.1%	8	-	$0	$660	$660		8	-	$0	$680	$680
TOWN OF AMHERST	FD Concrete >16' HD	9,519,818,398		218.52	$30.96	$31.93	3.1%	24	-	$0	$743	$743		24	-	$0	$766	$766
TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416,544		119.88	$82.44	$85.01	3.1%	24	-	$0	$1,979	$1,979		24	-	$0	$2,040	$2,040
TOWN OF AMHERST	FD Concrete >16'	7,972,790,067		218.52	$30.96	$31.93	3.1%	11	-	$0	$341	$341		11	-	$0	$351	$351
TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796		119.88	$82.44	$85.01	3.1%	11	-	$0	$907	$907		11	-	$0	$935	$935
TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413		218.52	$30.96	$31.93	3.1%	5	-	$0	$155	$155		5	-	$0	$160	$160
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922		119.88	$82.44	$85.01	3.1%	5	-	$0	$412	$412		5	-	$0	$425	$425
TOWN OF AMHERST	FD Concrete >16' HD	9,372,436,534		218.52	$30.96	$31.93	3.1%	21	-	$0	$650	$650		21	-	$0	$671	$671
TOWN OF AMHERST	CR UG Cable & Cndt	7,342,014,920		119.88	$82.44	$85.01	3.1%	21	-	$0	$1,731	$1,731		21	-	$0	$1,785	$1,785
TOWN OF AMHERST	FD Concrete >16'	7,006,920,700		218.52	$30.96	$31.93	3.1%	10	-	$0	$310	$310		10	-	$0	$319	$319
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282,972		119.88	$82.44	$85.01	3.1%	10	-	$0	$824	$824		10	-	$0	$850	$850
TOWN OF AMHERST	FD Concrete >16'	3,388,225,492		218.52	$30.96	$31.93	3.1%	15	-	$0	$464	$464		15	-	$0	$479	$479

Case 17-E-0238
Appendix 2
Schedule 8.5c
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 2 T&D rate 0.08669
Proposed T&D rate 0.0875

Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665,596		119.88	$82.44	$85.01	3.1%	15	-	$0	$1,237	$1,237		15	-	$0	$1,275	$1,275
TOWN OF AMHERST	FD Concrete >16'	7,841,872,428		218.52	$30.96	$31.93	3.1%	7	-	$0	$217	$217		7	-	$0	$224	$224
TOWN OF AMHERST	CR UG Cable & Cndt	3,961,986,629		119.88	$82.44	$85.01	3.1%	7	-	$0	$577	$577		7	-	$0	$595	$595
TOWN OF AMHERST	FD Concrete >16'	7,059,792,008		218.52	$30.96	$31.93	3.1%	14	-	$0	$433	$433		14	-	$0	$447	$447
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963,339		119.88	$82.44	$85.01	3.1%	14	-	$0	$1,154	$1,154		14	-	$0	$1,190	$1,190
TOWN OF AMHERST	FD Concrete >16' HD	7,282,929,339		218.52	$30.96	$31.93	3.1%	5	-	$0	$155	$155		5	-	$0	$160	$160
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415,574		119.88	$82.44	$85.01	3.1%	5	-	$0	$412	$412		5	-	$0	$425	$425
TOWN OF AMHERST	FD Concrete >16'	8,235,648,956		218.52	$30.96	$31.93	3.1%	6	-	$0	$186	$186		6	-	$0	$192	$192
TOWN OF AMHERST	CR UG Cable & Cndt	5,687,709,387		119.88	$82.44	$85.01	3.1%	6	-	$0	$495	$495		6	-	$0	$510	$510
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657		218.52	$30.96	$31.93	3.1%	8	-	$0	$248	$248		8	-	$0	$255	$255
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374		119.88	$82.44	$85.01	3.1%	8	-	$0	$660	$660		8	-	$0	$680	$680
TOWN OF AMHERST	FD Concrete =<16'	1,744,000,650		218.52	$30.96	$31.93	3.1%	35	-	$0	$1,084	$1,084		35	-	$0	$1,118	$1,118
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952		119.88	$82.44	$85.01	3.1%	35	-	$0	$2,885	$2,885		35	-	$0	$2,975	$2,975
TOWN OF AMHERST	FD Concrete >16'	5,972,606,736		218.52	$30.96	$31.93	3.1%	9	-	$0	$279	$279		9	-	$0	$287	$287
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549		119.88	$82.44	$85.01	3.1%	9	-	$0	$742	$742		9	-	$0	$765	$765
TOWN OF AMHERST	FD Concrete >16'	5,707,647,186		218.52	$30.96	$31.93	3.1%	3	-	$0	$93	$93		3	-	$0	$96	$96
TOWN OF AMHERST	CR UG Cable & Cndt	1,733,286,442		119.88	$82.44	$85.01	3.1%	3	-	$0	$247	$247		3	-	$0	$255	$255
TOWN OF AMHERST	FD Concrete >16'	5,299,394,404		218.52	$30.96	$31.93	3.1%	3	-	$0	$93	$93		3	-	$0	$96	$96
TOWN OF AMHERST	CR UG Cable & Cndt	451,736,027		119.88	$82.44	$85.01	3.1%	3	-	$0	$247	$247		3	-	$0	$255	$255
TOWN OF AMHERST	FD Concrete =<16'	5,185,829,268		218.52	$30.96	$31.93	3.1%	8	-	$0	$248	$248		8	-	$0	$255	$255
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207		119.88	$82.44	$85.01	3.1%	8	-	$0	$660	$660		8	-	$0	$680	$680
TOWN OF AMHERST	FD Concrete >16'	3,848,447,984		218.52	$30.96	$31.93	3.1%	6	-	$0	$186	$186		6	-	$0	$192	$192
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071		119.88	$82.44	$85.01	3.1%	6	-	$0	$495	$495		6	-	$0	$510	$510
TOWN OF AMHERST	FD Concrete =<16'	3,498,700,697		218.52	$30.96	$31.93	3.1%	14	-	$0	$433	$433		14	-	$0	$447	$447
TOWN OF AMHERST	CR UG Cable & Cndt	8,033,986,839		119.88	$82.44	$85.01	3.1%	14	-	$0	$1,154	$1,154		14	-	$0	$1,190	$1,190
TOWN OF AMHERST	FD Concrete >16'	2,544,525,945		218.52	$30.96	$31.93	3.1%	6	-	$0	$186	$186		6	-	$0	$192	$192
TOWN OF AMHERST	CR UG Cable & Cndt	9,330,884,808		119.88	$82.44	$85.01	3.1%	6	-	$0	$495	$495		6	-	$0	$510	$510
TOWN OF AMHERST	FD Concrete >16'	9,310,077,600		218.52	$30.96	$31.93	3.1%	13	-	$0	$402	$402		13	-	$0	$415	$415
TOWN OF AMHERST	CR UG Cable & Cndt	1,411,177,711		119.88	$82.44	$85.01	3.1%	13	-	$0	$1,072	$1,072		13	-	$0	$1,105	$1,105
TOWN OF AMHERST	FD Concrete >16'	128,925,989		218.52	$30.96	$31.93	3.1%	12	-	$0	$372	$372		12	-	$0	$383	$383
TOWN OF AMHERST	CR UG Cable & Cndt	3,924,127,941		119.88	$82.44	$85.01	3.1%	12	-	$0	$989	$989		12	-	$0	$1,020	$1,020
								Subtotal:	-	$0	$104,967	$104,967		Subtotal:	-	$0	$108,247	$108,247
TOWN OF QUEENSBURY	SD Steel =<16' AB PT	8,546,322,273		113.28	$31.96	$32.96	3.1%	26	-	$0	$831	$831		26	-	$0	$857	$857
TOWN OF QUEENSBURY	FD Concrete =<16'	7,441,083,920		218.52	$45.74	$47.17	3.1%	26	-	$0	$1,189	$1,189		26	-	$0	$1,226	$1,226
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482		119.88	$122.06	$125.87	3.1%	26	-	$0	$3,174	$3,174		26	-	$0	$3,273	$3,273
								Subtotal:	-	$0	$5,194	$5,194		Subtotal:	-	$0	$5,356	$5,356
TOWN OF TONAWANDA	CR UG Cable & Cndt	1,344,984,259		119.88	$78.84	$81.30	3.1%	249	-	$0	$19,592	$19,592		249	-	$0	$20,203	$20,203
TOWN OF TONAWANDA	CR UG Cable & Cndt	7,484,500,155		119.88	$77.74	$80.17	3.1%	905	-	$0	$70,374	$70,374		905	-	$0	$72,574	$72,574
TOWN OF TONAWANDA	FD Concrete =<16'	7,461,048,530		218.52	$29.19	$30.10	3.1%	907	-	$0	$26,473	$26,473		907	-	$0	$27,298	$27,298
TOWN OF TONAWANDA	CR EF Cbl & Cndt/ft	9,165,906,069		0.100934	$0.10	$0.10	0.0%	149	-	$0	$15	$15		149	-	$0	$15	$15
TOWN OF TONAWANDA	FD Concrete >16'	2,916,555,365		218.52	$25.24	$26.03	3.1%	1	-	$0	$19	$19		1	-	$0	$20	$20
								Subtotal:	-	$0	$116,454	$116,454		Subtotal:	-	$0	$120,090	$120,090
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524		119.88	$48.73	$50.25	3.1%	1048	-	$0	$51,077	$51,077		1,048	-	$0	$52,670	$52,670
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850	103	92.71762	$91.86	$94.73	3.1%	30	12,922	$1,120	$2,763	$3,884	347.50	30	12,922	$1,131	$2,850	$3,980
VILLAGE OF KINDERHOOK	LL Open IN 1000	6,254,715,057	103	32.98511	$32.68	$33.70	3.1%	2	860	$75	$65	$140	347.50	2	860	$75	$67	$143
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445,634		119.88	$68.80	$70.95	3.1%	2	-	$0	$138	$138		2	-	$0	$142	$142
								Subtotal:	13,782	$1,195	$2,966	$4,161		Subtotal:	13,782	$1,206	$3,059	$4,265
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706		119.88	$83.59	$86.20	3.1%	103	-	$0	$8,589	$8,589		103	-	$0	$8,857	$8,857
							*** Annual Total From Above**		**71,610**	**$6,208**	**$737,440**	**$743,648**			**71,610**	**$6,266**	**$760,480**	**$766,746**
																Increase	**$23,040**	

Case 17-E-0238
Appendix 2
Schedule 8.5c
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 2 T&D rate 0.05951
Proposed T&D rate 0.06007
0.94% increase

Increase 0.9%

Description	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
Non-contract S.C. 3 Accounts																	
(Customer owned & maintained)	EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	1,461,537	648,922	$38,617	$0	$38,617			648,922	$38,981	$0	$38,981
							1,467,763	559,218	$33,279	$0	$33,279			559,218	$33,592	$0	$33,592
							1,467,763	531,330	$31,620	$0	$31,620			531,330	$31,917	$0	$31,917
							1,467,763	447,668	$26,641	$0	$26,641			447,668	$26,891	$0	$26,891
							1,467,634	403,599	$24,018	$0	$24,018			403,599	$24,244	$0	$24,244
							1,467,634	361,038	$21,485	$0	$21,485			361,038	$21,688	$0	$21,688
							1,465,491	386,890	$23,024	$0	$23,024			386,890	$23,240	$0	$23,240
							1,469,509	442,322	$26,323	$0	$26,323			442,322	$26,570	$0	$26,570
							1,474,269	492,406	$29,303	$0	$29,303			492,406	$29,579	$0	$29,579
							1,475,419	579,840	$34,506	$0	$34,506			579,840	$34,831	$0	$34,831
							1,475,669	621,257	$36,971	$0	$36,971			621,257	$37,319	$0	$37,319
							1,475,744	674,415	$40,135	$0	$40,135			674,415	$40,512	$0	$40,512
Contract S.C.3 Account																	
(S.C. 3 T&D rate per contract. No facility charge unless a Company-procured new facility - then, S.C. 2 price)																	
LAMPS																	
High Pressure Sodium																	
70W	LP HS 70	9999999990	86	$0.00	$0.00	0.00%	4	1,440	$86	$0	$86	347.50	4	1,440	$87	$0	$87
100W	LP HS 100	9999999991	118	$0.00	$0.00	0.00%	64	31,488	$1,874	$0	$1,874	347.50	64	31,488	$1,891	$0	$1,891
150W	LP HS 150	9999999992	173	$0.00	$0.00	0.00%	731	527,352	$31,383	$0	$31,383	347.50	731	527,352	$31,678	$0	$31,678
250W	LP HS 250	9999999993	304	$0.00	$0.00	0.00%	1756	2,226,048	$132,473	$0	$132,473	347.50	1,756	2,226,048	$133,719	$0	$133,719
400W	LP HS 400	9999999981	470	$0.00	$0.00	0.00%	21	41,160	$2,449	$0	$2,449	347.50	21	41,160	$2,472	$0	$2,472
100W	LP HS 100	0	118	$7.08	$8.16	15.25%	25	12,300	$732	$177	$909	347.50	25	12,300	$739	$204	$943
Metal Halide																	
175W	LP MH 175	0	207	$0.00	$56.16	0.00%	2	1,728	$103	$0	$103	347.50	2	1,728	$104	$112	$216
400W	LP MH 400	8139419394	451	$0.00	$0.00	0.00%	11	20,688	$1,231	$0	$1,231	347.50	11	20,688	$1,243	$0	$1,243
Mercury Vapor																	
175W	LP MV 175	9999999980	211	$0.00	$0.00	0.00%	24	21,336	$1,270	$0	$1,270	347.50	24	21,336	$1,282	$0	$1,282
LUMINAIRES																	
Arch. (style unknown) 150/175	LM Arch 150/175	9999999975		$0.00	$0.00	0.00%	14		$0	$0	$0		14		$0	$0	$0
Arch. (style unknown) 70/100	LM Arch 70/100	9999999976		$0.00	$0.00	0.00%	19		$0	$0	$0		19		$0	$0	$0
Edgewater 150	LM Edgewater 150	9999999982		$0.00	$0.00	0.00%	730		$0	$0	$0		730		$0	$0	$0
Little Falls - Teardrop, 70	LM Little Fall TD 70	9999999999		$0.00	$0.00	0.00%	6		$0	$0	$0		6		$0	$0	$0
Roadway 70	LM Roadway 70	9999999979		$0.00	$0.00	0.00%	4		$0	$0	$0		4		$0	$0	$0
Roadway 150	LM Roadway 150	9999999978		$0.00	$0.00	0.00%	2		$0	$0	$0		2		$0	$0	$0
Roadway 250	LM Roadway 250	9999999977		$0.00	$0.00	0.00%	1763		$0	$0	$0		1,763		$0	$0	$0
Roadway 400	LM Roadway 400	8353362633		$0.00	$0.00	0.00%	11		$0	$0	$0		11		$0	$0	$0
LM Aspen Grove 100	LM Aspen Grove 100	0		$101.04	$102.00	0.95%	25		$0	$2,526	$2,526		25		$0	$2,550	$2,550
	SD Alum Armory Sq AB	9043788437		$0.00	$0.00	0.00%	1		$0	$0	$0		1		$0	$0	$0
	LM Roadway 175	9999999969		$0.00	$0.00	0.00%	2		$0	$0	$0		2		$0	$0	$0
	LM Roadway 400	9999999970		$0.00	$0.00	0.00%	18		$0	$0	$0		18		$0	$0	$0
	LM Aspen Grove 100	9999999971		$0.00	$0.00	0.00%	28		$0	$0	$0		28		$0	$0	$0
	LM Traditional 100	9999999972		$0.00	$0.00	0.00%	20		$0	$0	$0		20		$0	$0	$0
	LM Contemporary 175	9999999973		$0.00	$0.00	0.00%	15		$0	$0	$0		15		$0	$0	$0

Case 17-E-0238
Appendix 2
Schedule 8.6c
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 2 T&D rate 0.05951
Proposed T&D rate 0.06007
0.94% increase

Increase 0.9%

Description	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
POLES/STANDARDS																	
Wood Pole, 1 Span	PL Wood OH =< 1SP	9999999983		$0.00	$0.00	0.00%	3		$0	$0	$0		3		$0	$0	$0
Standard > 16 ft																	
for UG or URD Service																	
Aluminum, anchor base	SD Alum >16' AB	9999999986		$0.00	$0.00	0.00%	223		$0	$0	$0		223		$0	$0	$0
steel, anchor base	SD Steel >16' AB	9999999984		$0.00	$0.00	0.00%	31		$0	$0	$0		31		$0	$0	$0
Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, anchor base, Villager	SD Alum Villager AB	9999999985		$0.00	$0.00	0.00%	27		$0	$0	$0		27		$0	$0	$0
Fiberglass, anchor base	SD Fbgl =<16' AB PT	9999999987		$0.00	$0.00	0.00%	3		$0	$0	$0		3		$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT	9999999988		$0.00	$0.00	0.00%	50		$0	$0	$0		50		$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT	0		$0.00	$93.72	0.00%	25		$0	$0	$0		25		$0	$2,343	$2,343
Decorative Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	9999999989		$0.00	$0.00	0.00%	728		$0	$0	$0		728		$0	$0	$0
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	0		$0.00	$340.08	0.00%	1		$0	$0	$0		1		$0	$340	$340
FOUNDATIONS																	
Concrete - Cast-In-Place																	
for AB standard > 16 ft	FD Concrete >16'	9999999995		$0.00	$0.00	0.00%	253		$0	$0	$0		253		$0	$0	$0
for AB standard > 16 ft	FD Concrete >16'	0		$0.00	$218.52	0.00%	2		$0	$0	$0		2		$0	$437	$437
for AB standard <= 16 ft	FD Concrete =<16'	9999999994		$0.00	$0.00	0.00%	760		$0	$0	$0		760		$0	$0	$0
for AB standard <= 16 ft	FD Concrete =<16'	0		$196.20	$218.52	11.38%	1		$0	$196	$196		1		$0	$219	$219
CIRCUITRY																	
UG Service																	
first 50 ft or less per pole																	
cable and conduit	CR UG Cable & Cndt	9999999996		$0.00	$0.00	0.00%	992		$0	$0	$0		992		$0	$0	$0
cable and conduit	CR UG Cable & Cndt	0		$86.28	$119.88	38.94%	2		$0	$173	$173		2		$0	$240	$240
cable only	CR UG Cable Only	9999999997		$0.00	$0.00	0.00%	15		$0	$0	$0		15		$0	$0	$0
URD Service																	
first 10 ft or less per pole																	
direct buried cable	CR UG Res DB Cable	9999999998		$0.00	$0.00	0.00%	57		$0	$0	$0		57		$0	$0	$0
direct buried cable	CR UG Res DB Cable	0		$0.00	$89.28	0.00%	25		$0	$0	$0		25		$0	$2,232	$2,232
					Annual Total			**9,032,444**	**$537,523**	**$3,072**	**$540,594**			**9,032,444**	**$542,579**	**$8,677**	**$551,256**
					Watertown			**2,883,540**	**$171,600**	**$3,072**	**$174,672**			**2,883,540**	**$173,214**	**$8,677**	**$181,891**
					EO			**6,148,904**	**$365,922**	**$0**	**$365,922**			**6,148,904**	**$369,365**	**$0**	**$369,365**
									$383,546								
														TARGET	$542,541	$7,496	
														PROPOSED MINUS TARGET	$38	$1,180	

Case 17-E-0238
Appendix 2
Schedule 8.6c
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

Rate Year 2 T&D rate	0.01083													**Increase**	**0.9%**
Proposed T&D rate	0.01093														
0.91% increase		Rate Year 2 Annual Basic Serv. Charge	Proposed Annual Basic Serv. Charge	Percent Change Basic Serv. Charge	2016 Avg Units Billed	Rate Year 2 Annual Usage	Rate Year 2 Annual T&D Revenue	Rate Year 2 Annual Location Charge Revenue	Rate Year 2 Annual Total Revenue	FY'18 Avg Fcst Units	Proposed Annual Usage	Proposed Annual T&D Revenue	Proposed Annual Location Charge Revenue	Proposed Annual Total Revenue
Description	Billcode Description	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
Traffic Control Location Charge	TC Location Charge	$301.80	$304.56	0.93%	2809.1	n/a	n/a	$847,781	$847,781	2,809	n/a	n/a	$855,534	$855,534
Traffic Control 30 Day kWh	TC 30 Day kWh	n/a	n/a	n/a	n/a	8,970,329	$97,166	n/a	$97,166	n/a	8,970,329	$98,046	n/a	$98,046
				Annual Total		**8,970,329**	**$97,166**	**$847,781**	**$944,947**		**8,970,329**	**$98,046**	**$855,534**	**$953,580**
						266.110801 kWh per unit per mo					**TARGET**	$98,073	$855,705	$953,779
											PROPOSED MINUS TARGET	-$28	-$171	-$198

Case 17-E-0238
Appendix 2
Schedule 8.7c
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Rate Year 2 T&D rate 0.08669
Proposed T&D rate 0.0875
0.93% increase

Increase 0.9%

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
1171629003	**CENTER FOR DISABILITY SRVCS**																
01 - NMP0000003	150W	Company	173	$7.32	$7.44	1.6%	4	2,880	$250	$29	$279	347.50	4	2,880	$252	$30	$282
01 - NMP000051P	Roadway 150	Company		$51.12	$51.60	0.9%	4		$0	$204	$204		4		$0	$206	$206
01 - NMP000084P	Additional Wood Pole	Company		$0.00	$0.00	n/a	2		$0	$0	$0		2		$0	$0	$0
2433882101	**CITY OF SYRACUSE DPW**																
01 - NMP0000002	100W	Company	118	$7.08	$7.20	1.7%	44	21,648	$1,877	$312	$2,188	347.50	44	21,648	$1,894	$317	$2,211
01 - NMP0000013	175W	Company	211	$5.88	$5.88	0.0%	82	72,444	$6,280	$484	$6,764	347.50	82	72,444	$6,339	$484	$6,823
01 - NMP000105P	for anchor base standard <= 16 ft	Company		$196.20	$198.00	0.9%	3		$0	$589	$589		3		$0	$594	$594
01 - NMP000109P	cable and conduit	Company		$86.28	$87.12	1.0%	126		$0	$10,900	$10,900		126		$0	$11,006	$11,006
01 - NMP000117P	cable and conduit, per foot	Company		$1.68	$1.68	0.0%	1243		$0	$2,089	$2,089		1,243		$0	$2,089	$2,089
01 - NMP000120P	Festoon Outlet - Old	Company		$48.00	$48.48	1.0%	42		$0	$2,016	$2,016		42		$0	$2,036	$2,036
01 - NMP000219P	Williamsville 70	Company		$99.84	$100.80	1.0%	12		$0	$1,198	$1,198		12		$0	$1,210	$1,210
01 - NMP000270P	aluminum, anchor base, Little Falls	Company		$198.96	$200.76	0.9%	43		$0	$8,555	$8,555		43		$0	$8,633	$8,633
01 - NMP000325P	Williamsville 100	Company		$99.84	$100.80	1.0%	1		$0	$100	$100		1		$0	$101	$101
01 - NMP000337P	LM Franklin Sq 100	Company		$129.84	$131.04	0.9%	31		$0	$4,025	$4,025		31		$0	$4,062	$4,062
01 - NMP000339P	LM Franklin Sq 175	Company		$129.84	$131.04	0.9%	82		$0	$10,690	$10,690		82		$0	$10,789	$10,789
01 - NMP000105P	for anchor base standard <= 16 ft	Company		$68.55	$69.24	1.0%	123		$0	$8,432	$8,432		123		$0	$8,517	$8,517
8193879102	**TOWN OF HAMLIN**																
03 - NMP0000002	100W	customer	118	$7.08	$7.20	1.7%	6	2,952	$256	$42	$298	347.50	6	2,952	$258	$43	$302
03 - NMP000056P	Arch. (style unknown) 70/100	customer		$30.00	$30.24	0.8%	6		$0	$180	$180		6		$0	$181	$181
03 - NMP000097P	Fiberglass, anchor base	customer		$25.44	$25.68	0.9%	6		$0	$153	$153		6		$0	$154	$154
03 - NMP000107P	for AB standards, all applications	customer		$42.00	$42.36	0.9%	6		$0	$252	$252		6		$0	$254	$254
03 - NMP000116P	direct buried cable	customer		$5.28	$5.28	0.0%	6		$0	$32	$32		6		$0	$32	$32
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.48	$0.48	0.0%	284		$0	$136	$136		284		$0	$136	$136
1913882104	**TOWN OF HAMLIN HILLCREST SUBDIV SC 5**																
03 - NMP0000002	100W	customer	118	$7.08	$7.20	1.7%	13	6,396	$554	$92	$647	347.50	13	6,396	$560	$94	$653
03 - NMP0000003	150W	customer	173	$7.32	$7.44	1.6%	3	2,160	$187	$22	$209	347.50	3	2,160	$189	$22	$211
03 - NMP000056P	Arch. (style unknown) 70/100	customer		$30.00	$30.24	0.8%	10		$0	$300	$300		10		$0	$302	$302
03 - NMP000057P	LM Arch 150/175	customer		$22.68	$22.92	1.1%	3		$0	$68	$68		3		$0	$69	$69
03 - NMP000097P	Fiberglass, anchor base	customer		$25.44	$25.68	0.9%	16		$0	$407	$407		16		$0	$411	$411
03 - NMP000105P	for anchor base standard <= 16 ft	customer		$74.52	$75.24	1.0%	12		$0	$894	$894		12		$0	$903	$903
03 - NMP000107P	for AB standards, all applications	customer		$42.00	$42.36	0.9%	4		$0	$168	$168		4		$0	$169	$169
03 - NMP000116P	direct buried cable	customer		$5.28	$5.28	0.0%	16		$0	$84	$84		16		$0	$84	$84
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.48	$0.48	0.0%	344		$0	$165	$165		344		$0	$165	$165
03 - NMP000313P	Edison 100	customer		$30.00	$30.24	0.8%	3		$0	$90	$90		3		$0	$91	$91
4973879108	**VILLAGE OF BROCKPORT**																
03 - NMP0000001	70W	customer	86	$7.08	$7.20	1.7%	15	5,376	$466	$106	$572	347.50	15	5,376	$470	$108	$578
03 - NMP0000002	100W	customer	118	$7.08	$7.20	1.7%	24	11,808	$1,024	$170	$1,194	347.50	24	11,808	$1,033	$173	$1,206
03 - NMP0000003	150W	customer	173	$7.32	$7.44	1.6%	15	10,824	$938	$110	$1,048	347.50	15	10,824	$947	$112	$1,059
03 - NMP0000004	250W	customer	304	$7.44	$7.56	1.6%	4	5,076	$440	$30	$470	347.50	4	5,076	$444	$30	$474
03 - NMP000032P	Floodlight 250	customer		$22.08	$22.32	1.1%	4		$0	$88	$88		4		$0	$89	$89
03 - NMP000049P	Roadway 70	customer		$18.96	$19.08	0.6%	10		$0	$190	$190		10		$0	$191	$191

Case 17-E-0238
Appendix 2
Schedule 8.8c
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Rate Year 2 T&D rate 0.08669
Proposed T&D rate 0.0875
0.93% increase

Increase 0.9%

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
03 - NMP000097P	Fiberglass, anchor base	customer		$25.44	$25.68	0.9%	44		$0	$1,119	$1,119		44		$0	$1,130	$1,130
03 - NMP000099P	Fiberglass, anchor base	customer		$65.16	$65.76	0.9%	10		$0	$652	$652		10		$0	$658	$658
03 - NMP000107P	for AB standards, all applications	customer		$42.00	$42.36	0.9%	44		$0	$1,848	$1,848		44		$0	$1,864	$1,864
03 - NMP000110P	cable only	customer		$7.56	$7.68	1.6%	15		$0	$113	$113		15		$0	$115	$115
03 - NMP000111P	direct buried cable	customer		$26.28	$26.52	0.9%	3		$0	$79	$79		3		$0	$80	$80
03 - NMP000116P	direct buried cable	customer		$5.28	$5.28	0.0%	36		$0	$190	$190		36		$0	$190	$190
03 - NMP000118P	CR EF Cable Only/ft	customer		$0.12	$0.12	0.0%	425		$0	$51	$51		425		$0	$51	$51
03 - NMP000119P	CR EF DB Cable/ft	customer		$0.48	$0.48	0.0%	1284		$0	$616	$616		1,284		$0	$616	$616
03 - NMP000309P	Traditional 70	customer		$30.00	$30.24	0.8%	5		$0	$150	$150		5		$0	$151	$151
03 - NMP000315P	Traditional 100	customer		$30.00	$30.24	0.8%	24		$0	$720	$720		24		$0	$726	$726
03 - NMP000321P	Traditional 150	customer		$24.60	$24.84	1.0%	15		$0	$369	$369		15		$0	$373	$373
					Annual Total			**141,564**	**$ 12,272**	**$ 59,310**	**$ 71,582**			**141,564**	**$12,387**	**$59,840**	**$72,227**

TARGET	$12,387	$59,984
PROPOSED MINUS TARGET	$0	-$143

Case 17-E-0238
Appendix 2
Schedule 8.8c
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

Rate Year 2 T&D rate 0.05951
Proposed T&D rate 0.06007
0.94% increase

- - - - C L O S E D - - - -

Increase 0.9%

Description	Rate Year Facility Class	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY'18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
LAMPS																
High Pressure Sodium																
70W	Closed	86	$7.92	$8.04	1.5%	4	1,380	$82	$30	$112	347.50	4	1,380	$83	$31	$114
100W	Closed	118	$9.12	$9.24	1.3%	194	95,460	$5,681	$1,769	$7,450	347.50	194	95,460	$5,734	$1,793	$7,527
150W	Closed	173	$9.60	$9.72	1.3%	58	41,844	$2,490	$557	$3,047	347.50	58	41,844	$2,514	$564	$3,077
250W	Closed	304	$9.36	$9.48	1.3%	65	82,404	$4,904	$608	$5,512	347.50	65	82,404	$4,950	$616	$5,566
400W	Closed	470	$8.16	$8.28	1.5%	17	33,324	$1,983	$139	$2,122	347.50	17	33,324	$2,002	$141	$2,143
Metal Halide																
250W	Closed	295	$53.52	$54.00	0.9%	11	13,536	$806	$589	$1,394	347.50	11	13,536	$813	$594	$1,407
Mercury Vapor																
100W	Closed	130	$6.84	$6.96	1.8%	52	28,188	$1,677	$356	$2,033	347.50	52	28,188	$1,693	$362	$2,055
Continuous Operation																
Additional Charge																
MV 100W	Closed	130	$7.56	$7.68	2%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 70	Closed	86	$8.76	$8.88	1%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 100	Closed	118	$10.08	$10.20	1%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
HPS 150	Closed	173	$10.56	$10.68	1%	0	-	$0	$0	$0	730.00	-	-	$0	$0	$0
				Annual Total		**401**	**296,136**	**$17,623**	**$4,048**	**$21,671**			**296,136**	**$17,789**	**$4,100**	**$21,889**
									$7,120							
													TARGET	$17,788	$4,094	
													PROPOSED MINUS TARGET	$1	$6	

Case 17-E-0238
Appendix 2
Schedule 8.9c
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

HPS Roadway Lamps & Luminaires — 0.9% Target % Increase

	Component	Current Price	Units	Current Revenue	Target Price	Target Revenue	Replacement Cost	Replacement Revenue	Proposed % Movement to Replace Cost	Adjusted Target Price	Adjusted Target Revenue	Solve for equal % movement to Repl: Adjusted Price % Movement to Replace Cost
70W	NMP0000001	$8.04	7,945	$63,876	8.12	$ 64,473	$ 10.36	$82,284		8.16	$ 64,859	
100W	NMP0000002	$8.04	16,165	$129,968	8.12	$ 131,182	$ 10.36	$167,422		8.16	$ 131,969	
150W	NMP0000003	$8.04	6,729	$54,098	8.12	$ 54,603	$ 10.36	$69,687		8.16	$ 54,930	
250W	NMP0000004	$8.04	5,899	$47,425	8.12	$ 47,868	$ 10.36	$61,091		8.16	$ 48,155	
400W	NMP0000005	$8.04	1,199	$9,636	8.12	$ 9,726	$ 10.36	$12,413		8.16	$ 9,785	
1000W	NMP0000006	$16.44	71	$1,172	16.59	$ 1,183	$ 10.36	$738		16.69	$ 1,190	
			38,007									
									HPS %	1.54%		
Roadway 70	NMP000049P	$55.92	7,945	$444,273	56.44	$ 448,421	$ 209.36	$1,663,296		56.78	$ 451,111	
Roadway 100	NMP000050P	$55.92	16,165	$903,960	56.44	$ 912,399	$ 209.36	$3,384,296		56.78	$ 917,872	
Roadway 150	NMP000051P	$55.92	6,729	$376,262	56.44	$ 379,774	$ 209.36	$1,408,670		56.78	$ 382,053	
Roadway 250	NMP000052P	$55.92	5,899	$329,850	56.44	$ 332,929	$ 209.36	$1,234,911		56.78	$ 334,926	
Roadway 400	NMP000302P	$55.92	1,199	$67,023	56.44	$ 67,649	$ 209.36	$250,924		56.78	$ 68,054	
Roadway, 1000	NMP000053P	$126.72	71	$9,035	127.90	$ 9,120	$ 209.36	$14,927		128.67	$ 9,174	
			38,007									
	Total HPS Lamp & Lumiaire			$2,436,578		$2,459,326		$8,350,660	0.38%		$2,474,078	0.63%
		% of replacement cost		29%		0.9%					1.54%	
LED												
									LED %	0.51%		
LL Roadway LED-B	NMPLEDRWYB	84.00	12,055	$1,012,621	84.78	$ 1,022,075	$ 159.21	$1,919,245		84.43	$ 1,017,787	
LL Roadway LED-C	NMPLEDRWYC	88.80	18,784	$1,667,982	89.63	$ 1,683,555	$ 161.60	$3,035,336		89.25	$ 1,676,491	
LL Roadway LED-D	NMPLEDRWYD	110.40	5,899	$651,206	111.43	$ 657,285	$ 177.59	$1,047,561		110.96	$ 654,527	
LL Roadway LED-F	NMPLEDRWYF	119.40	1,270	$151,620	120.51	$ 153,035	$ 223.39	$283,678		120.01	$ 152,393	
			38,007									
		Total LED		$3,483,429		$3,515,951		$6,285,819	1.16%		$3,501,198	0.63%
		% of replacement cost		55%		0.9%					0.51%	
			GRAND TOTAL	$5,920,006	Target Revenue	$5,975,277		$14,636,479		Target Revenue	$5,975,277	
					Total Increase	0.9%					0.93%	
									Ratio LED% to HPS %	33.14%		

		Storeroom Primary Materials	Storeroom Misc Materials	Rate Year Direct Materials Cost	Rate Year Materials Cost With Tax and Stores Handling	Rate Year Company Labor Cost	Rate Year Labor Cost with Fringe & Transportation Overhead	Total Rate Year Installation Cost with Capital Overhead	Carrying Charge Rate	Replacement Cost Carrying Charge	
Lamp		$ 11.06	$ -	$ 11.61	$ 16.15	$ -	$ -	$ 16.15	12.391%	$ 2.00	
Lamp Annual O&M					$ 3.23	$ 1.67	$ 3.62	$ 8.36		$ 8.36	
Luminaire		$ 69.42	$ 166.19	$ 247.28	$ 344.13	$ 185.41	$ 402.08	$ 913.07	16.724%	$ 152.70	
Bracket		$ 143.05	$ 65.55	$ 218.94	$ 304.68	$ 49.70	$ 107.79	$ 457.20	12.391%	$ 56.65	
		$ 212.47	$ 231.74	$ 466.22	$ 648.81	$ 235.11	$ 509.86	$ 1,370.27		$ 219.71	
LED luminaire	B	$ 103.88		$ 109.03	$ 151.72	$ 185.41	$ 402.08	$ 720.67	15.424%	$ 111.16	$ 159.21
(w/Bracket)	C	$ 114.48		$ 120.15	$ 167.21	$ 185.41	$ 402.08	$ 736.15	15.424%	$ 113.55	$ 161.60
	D	$ 185.50		$ 194.69	$ 270.94	$ 185.41	$ 402.08	$ 839.88	15.424%	$ 129.55	$ 177.59
	F	$ 388.80		$ 408.06	$ 567.87	$ 185.41	$ 402.08	$ 1,136.82	15.424%	$ 175.35	$ 223.39
			$ 169.05	$ 169.05	$ 235.26	$ 49.70	$ 107.79	$ 387.77	12.391%	$ 48.05	

Case 17-E-0238
Appendix 2
Schedule 8.11c
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Rate Year 2 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	43,820	18.6%	$8.16	$31.41	$12.37	$2.50	$0.55	$54.99	$0.15	$0.02796
100W	Standard	118	492	82,836	35.2%	$8.16	$43.05	$16.95	$3.43	$0.72	$72.31	$0.20	$0.07047
150W	Standard	173	721	32,467	13.8%	$8.16	$63.09	$24.84	$5.03	$1.02	$102.14	$0.28	$0.03867
250W	Standard	304	1,268	25,276	10.8%	$8.16	$110.95	$43.68	$8.84	$1.73	$173.36	$0.47	$0.05053
400W	Standard	470	1,960	6,153	2.6%	$8.16	$171.50	$67.51	$13.66	$2.63	$263.46	$0.72	$0.01884
1000W	Closed	1106	4,612	313	0.1%	$16.56	$403.55	$158.87	$32.15	$6.17	$617.30	$1.69	$0.00225
Metal Halide													
175W	Standard	207	863	2,323	1.0%	$56.16	$75.51	$29.73	$6.02	$1.69	$169.11	$0.46	$0.00455
250W	Standard	295	1,230	275	0.1%	$56.16	$107.63	$42.37	$8.57	$2.17	$216.90	$0.59	$0.00069
400W	Standard	451	1,881	569	0.2%	$56.16	$164.59	$64.79	$13.11	$3.02	$301.67	$0.83	$0.00201
1000W	Closed	1078	4,495	2	0.0%	$56.16	$393.31	$154.84	$31.33	$6.42	$642.06	$1.76	$0.00001
Mercury Vapor													
100W	Obsolete	130	542	598	0.3%	$6.96	$47.43	$18.67	$3.78	$0.78	$77.62	$0.21	$0.00053
175W	Obsolete	211	880	1,462	0.6%	$6.96	$77.00	$30.31	$6.13	$1.22	$121.62	$0.33	$0.00205
400W	Obsolete	477	1,989	372	0.2%	$6.96	$174.04	$68.51	$13.86	$2.66	$266.03	$0.73	$0.00115
1000W	Obsolete	1095	4,566	4	0.0%	$13.20	$399.53	$157.28	$31.83	$6.08	$607.92	$1.67	$0.00003
LED													
LL Roadway LED-B	Standard	25	104	16,086	6.8%	$84.24	$9.10	$3.58	$0.72	$0.99	$98.63	$0.27	$0.01847
LL Roadway LED-C	Standard	48	200	15,137	6.4%	$89.04	$17.50	$6.89	$1.39	$1.16	$115.98	$0.32	$0.02060
LL Roadway LED-D	Standard	96	400	5,963	2.5%	$110.76	$35.00	$13.78	$2.79	$1.64	$163.97	$0.45	$0.01141
LL Roadway LED-F	Standard	210	876	1,454	0.6%	$119.76	$76.65	$30.18	$6.11	$2.35	$235.05	$0.64	$0.00396
			Total	235,109	100.0%						Proposed SC-2 Outage Credit per Lamp per Night:		**$0.27**

Proposed Base T&D rate (a)	0.08750

Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001212
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	0.00000
Sum	0.00697

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03009
Merchant Function Charge	0.00028
Electricity Supply Reconciliation Mechanism	0.00408
Sum	0.034446
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2c
(b) Source: Appendix 2, Schedule 8.14c

Case 17-E-0238
Appendix 2
Schedule 8.13c
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Rate Year 2 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	see note	22.3%	n/a	$21.57	$12.37	$2.50	$0.37	$36.81	$0.10	$0.02230
100W	Standard	118	492	see note	42.2%	n/a	$29.55	$16.95	$3.43	$0.50	$50.43	$0.14	$0.05903
150W	Standard	173	721	see note	16.5%	n/a	$43.31	$24.84	$5.03	$0.74	$73.92	$0.20	$0.03305
250W	Standard	304	1,268	see note	12.9%	n/a	$76.17	$43.68	$8.84	$1.30	$129.99	$0.36	$0.04631
400W	Standard	470	1,960	see note	3.1%	n/a	$117.74	$67.51	$13.66	$2.01	$200.92	$0.55	$0.01722
1000W	Closed	1,106	4,612	see note	0.2%	n/a	$277.04	$158.87	$32.15	$4.73	$472.79	$1.30	$0.00207
Metal Halide													
175W	Standard	207	863	see note	1.2%	n/a	$51.84	$29.73	$6.02	$0.88	$88.47	$0.24	$0.00284
250W	Standard	295	1,230	see note	0.1%	n/a	$73.89	$42.37	$8.57	$1.26	$126.09	$0.35	$0.00049
400W	Standard	451	1,881	see note	0.3%	n/a	$112.99	$64.79	$13.11	$1.93	$192.82	$0.53	$0.00153
1000W	Closed	1078	4,495	see note	0.0%	n/a	$270.01	$154.84	$31.33	$4.61	$460.79	$1.26	$0.00001
Mercury Vapor													
100W	Obsolete	130	542	see note	0.3%	n/a	$32.56	$18.67	$3.78	$0.56	$55.57	$0.15	$0.00046
175W	Obsolete	211	880	see note	0.7%	n/a	$52.86	$30.31	$6.13	$0.90	$90.20	$0.25	$0.00186
400W	Obsolete	477	1,989	see note	0.2%	n/a	$119.48	$68.51	$13.86	$2.04	$203.89	$0.56	$0.00106
1000W	Obsolete	1095	4,566	see note	0.0%	n/a	$274.28	$157.28	$31.83	$4.68	$468.07	$1.28	$0.00003
			Total		100.0%						Proposed SC-3 Outage Credit per Lamp per Night:		**$0.19**

Proposed Base T&D rate (a)	0.06007

Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001212
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	0.00000
Sum	0.00697

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03009
Merchant Function Charge	0.00028
Electricity Supply Reconciliation Mechanism	0.00408
Sum	0.034446
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2c
(b) Source: Appendix 2, Schedule 8.14c

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

Case 17-E-0238
Appendix 2
Schedule 8.13c
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Dusk-to-Dawn Lamp	Rate Year 2 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Avg Monthly Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium													
70W	Closed	86	359	4	1.0%	$8.04	$21.57	$12.37	$2.50	$0.45	$44.93	$0.12	$0.00115
100W	Closed	118	492	194	48.4%	$9.24	$29.55	$16.95	$3.43	$0.60	$59.77	$0.16	$0.07744
150W	Closed	173	721	58	14.5%	$9.72	$43.31	$24.84	$5.03	$0.84	$83.74	$0.23	$0.03328
250W	Closed	304	1,268	65	16.2%	$9.48	$76.17	$43.68	$8.84	$1.40	$139.57	$0.38	$0.06162
400W	Closed	470	1,960	17	4.2%	$8.28	$117.74	$67.51	$13.66	$2.09	$209.28	$0.57	$0.02417
Metal Halide													
250W	Closed	295	1,230	11	2.7%	$54.00	$73.89	$42.37	$8.57	$1.81	$180.64	$0.49	$0.01345
Mercury Vapor													
100W	Closed	130	542	52	13.0%	$6.96	$32.56	$18.67	$3.78	$0.63	$62.60	$0.17	$0.02205
			Total	401	100.0%							Proposed SC-6 Outage Credit per Lamp per Night:	**$0.23**

Proposed Base T&D rate (a)	0.06007
Forecast Volumetric Delivery Adjustments (b)	
DLM Surcharge	0.00006
Legacy Transition Charge	0.001212
Renewable Portfolio Surcharge	0.000000
System Benefit Charge	0.005701
Incremental Statement Assessment Surcharge	0.000000
Transmission Revenue Adjustment	0.00000
Sum	0.00697

Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03009
Merchant Function Charge	0.00028
Electricity Supply Reconciliation Mechanism	0.00408
Sum	0.034446
Revenue Tax on Delivery and Commodity Bill	1.0101%

Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2c
(b) Source: Appendix 2, Schedule 8.14c

Case 17-E-0238
Appendix 2
Schedule 8.13c
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. NO. 214 ELECTRICITY
Rate Year 2 and Proposed Volumetric Rates for Customer Impact Analysis
RATE YEAR 3

		Rate Year 3 (FY 2021) at Rate Year 2 Rates				Rate Year 3 (FY 2021) at Proposed Rates				Percentage Change in Rate			
		SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4
	COMMODITY RATES												
Note													
(1)	Electricity Supply Cost - Western	0.02605	0.02605	0.02605	0.03337	0.02605	0.02605	0.02605	0.03337	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Central	0.02611	0.02611	0.02611	0.03226	0.02611	0.02611	0.02611	0.03226	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Eastern	0.03811	0.03811	0.03811	0.04409	0.03811	0.03811	0.03811	0.04409	0.0%	0.0%	0.0%	0.0%
(2)	MFC (Merchant Function Charge)	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.0%	0.0%	0.0%	0.0%
	MFC (Merchant Function Charge %)	0.776%	0.776%	0.776%	0.776%	0.776%	0.776%	0.776%	0.776%	0.0%	0.0%	0.0%	0.0%
(3)	ESRM & CESS	0.004080	0.00408	0.00408	0.00408	0.00408	0.00408	0.00408	0.00408	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (WESTERN)	0.030614	0.030614	0.030614	0.037989	0.030614	0.030614	0.030614	0.037989	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (CENTRAL)	0.030678	0.030678	0.030678	0.036871	0.030678	0.030678	0.030678	0.036871	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (EASTERN)	0.042766	0.042766	0.042766	0.048796	0.042766	0.042766	0.042766	0.048796	0.0%	0.0%	0.0%	0.0%
	DELIVERY RATES												
(4)	Base T&D Rates	**0.08669**	**0.08669**	**0.05951**	**0.01083**	**0.08750**	**0.08750**	**0.06007**	**0.01093**	0.9%	0.9%	0.9%	0.9%
(5)	DLM	0.00006	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	0.0%	0.0%	0.0%
(6)	LTC (Legacy Transition Charge)	0.001212	0.001212	0.001212	0.001212	0.001212	0.001212	0.001212	0.001212	0.0%	0.0%	0.0%	0.0%
(7)	SBC w/ EE (System Benefit Charge)	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.0%	0.0%	0.0%	0.0%
(8)	Clean Energy Supply - Deilvery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
(9)	Transmission Revenue Adjustment (TRA)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
	DELIVERY SUM	0.093660	0.093660	0.066481	0.017803	0.094471	0.094471	0.067041	0.017901	0.9%	0.9%	0.8%	0.6%
	TOTAL VOLUMETRIC RATE (WESTERN)	0.124275	0.124275	0.097095	0.055791	0.125085	0.125085	0.097655	0.055889	0.7%	0.7%	0.6%	0.2%
	TOTAL VOLUMETRIC RATE (CENTRAL)	0.124338	0.124338	0.097159	0.054674	0.125149	0.125149	0.097719	0.054772	0.7%	0.7%	0.6%	0.2%
	TOTAL VOLUMETRIC RATE (EASTERN)	0.136426	0.136426	0.109247	0.066598	0.137237	0.137237	0.109807	0.066696	0.6%	0.6%	0.5%	0.1%

(1) Company forecast supporting Appendix 2, Schedule 2
(2) Appendix 2, Schedule 7.1
(3) Forecast ESRM is set to zero for reconciliation adjustments, plus CESS.
(4) Appendix 2, Schedule 8.1c
(5) to (9) Forecast rates are from Appendix 2, Schedule 4

Case 17-E-0238
Appendix 2
Schedule 8.14c
Page 1 of 9

Average Total Bill Percent Increases by Service Class RY3

	Rate Year 2 Usage	Rate Year 2 T&D	Rate Year 2 Facility	Rate Year 2 T&D Surcharges	Rate Year 2 Commodity	Rate Year 2 Total Bill	Revenue Requirement Increase	Average Percent Total Bill Increase	Increase on T&D & Facility Revenue
SC-1	21,736,230	$1,884,311	$1,644,035	$151,514	$703,958	$4,383,817	$32,941	**0.8%**	**0.9%**
		43%	38%	3%	16%				
SC-2	140,352,171	$12,167,109	$36,523,886	$978,336	$4,545,500	$54,214,831	$454,589	**0.8%**	**0.9%**
		22%	67%	2%	8%				
SC-3	9,032,444	$537,523	$7,427	$62,961	$292,528	$900,439	$5,088	**0.6%**	**0.9%**
		60%	1%	7%	32%				
SC-4	8,970,329	$97,166	$847,790	$62,528	$344,916	$1,352,400	$8,822	**0.7%**	**0.9%**
		7%	63%	5%	26%				
SC-5	141,564	$12,272	$59,429	$987	$4,585	$77,273	$669	**0.9%**	**0.9%**
		16%	77%	1%	6%				
SC-6	296,136	$17,623	$4,056	$2,064	$9,591	$33,334	$202	**0.6%**	**0.9%**
		53%	12%	6%	29%				
	180,528,874	$ 14,716,005	$ 39,086,626	$ 1,258,391	$ 5,901,079	$ 60,962,095	$ 502,312	**0.8%**	**0.9%**

Case 17-E-0238
Appendix 2
Schedule 8.14c
Page 2 of 9

SC1 Customer Bill Impact Analysis RY3								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	0	0.0%	$	-		
Increase of	0%	1%	1889	31.0%	$	13,513	$	7
Increase of	1%	2%	4209	69.0%	$	31,936	$	8
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**6098**	**100%**	**$**	**45,450**	**$**	**7**

SC2 Customer Bill Impact Analysis RY3								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0%	$	-		
Decrease of	-10%	-9%	0	0%	$	-		
Decrease of	-9%	-8%	0	0%	$	-		
Decrease of	-8%	-7%	0	0%	$	-		
Decrease of	-7%	-6%	0	0%	$	-		
Decrease of	-6%	-5%	0	0%	$	-		
Decrease of	-5%	-4%	0	0%	$	-		
Decrease of	-4%	-3%	0	0%	$	-		
Decrease of	-3%	-2%	0	0%	$	-		
Decrease of	-2%	-1%	0	0%	$	-		
Decrease of	-1%	0%	0	0%	$	-		
Increase of	0%	1%	60	8%	$	68,672	$	1,145
Increase of	1%	2%	704	92%	$	537,689	$	764
Increase of	2%	3%	1	0%	$	31	$	31
Increase of	3%	4%	0	0%	$	-		
Increase of	4%	5%	0	0%	$	-		
Increase of	5%	6%	0	0%	$	-		
Increase of	6%	7%	0	0%	$	-		
Increase of	7%	8%	0	0%	$	-		
Increase of	8%	9%	0	0%	$	-		
Increase of	9%	10%	0	0%	$	-		
Increase of	10%	11%	0	0%	$	-		
Increase of	11%	12%	0	0%	$	-		
Increase of	12%	13%	0	0%	$	-		
Increase of	13%	14%	0	0%	$	-		
Increase of	14%	15%	0	0%	$	-		
Increase of	15%	16%	0	0%	$	-		
Increase of	16%	17%	0	0%	$	-		
Increase of	17%	18%	0	0%	$	-		
Increase of	18%	19%	0	0%	$	-		
Increase of	19%	20%	0	0%	$	-		
Increase of	20%	23%	0	0%	$	-		
Increase of	23%	26%	0	0%	$	-		
Increase of		>30%	0	0%	$	-		
Totals (annual impact)			**765**	**100%**	**$**	**606,392**	**$**	**793**

SC3 Customer Bill Impact Analysis RY3								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0%	$	-		
Decrease of	-10%	-9%	0	0%	$	-		
Decrease of	-9%	-8%	0	0%	$	-		
Decrease of	-8%	-7%	0	0%	$	-		
Decrease of	-7%	-6%	0	0%	$	-		
Decrease of	-6%	-5%	0	0%	$	-		
Decrease of	-5%	-4%	0	0%	$	-		
Decrease of	-4%	-3%	0	0%	$	-		
Decrease of	-3%	-2%	0	0%	$	-		
Decrease of	-2%	-1%	0	0%	$	-		
Decrease of	-1%	0%	0	0%	$	-		
Increase of	0%	1%	50	38%	$	1,929	$	39
Increase of	1%	2%	80	62%	$	5,002	$	63
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	0	0%	$	-		
Increase of	4%	5%	0	0%	$	-		
Increase of	5%	6%	0	0%	$	-		
Increase of	6%	7%	0	0%	$	-		
Increase of	7%	8%	0	0%	$	-		
Increase of	8%	9%	0	0%	$	-		
Increase of	9%	10%	0	0%	$	-		
Increase of	10%	11%	0	0%	$	-		
Increase of	11%	12%	0	0%	$	-		
Increase of	12%	13%	0	0%	$	-		
Increase of	13%	14%	0	0%	$	-		
Increase of	14%	15%	0	0%	$	-		
Increase of	15%	16%	0	0%	$	-		
Increase of	16%	17%	0	0%	$	-		
Increase of	17%	18%	0	0%	$	-		
Increase of	18%	19%	0	0%	$	-		
Increase of	19%	20%	0	0%	$	-		
Increase of	20%	23%	0	0%	$	-		
Increase of	23%	26%	0	0%	$	-		
Increase of		>30%	0	0%	$	-		
Totals (annual impact)			**130**	**100%**	**$**	**6,932**	**$**	**53**

SC4 Customer Bill Impact Analysis RY3								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	0	0.0%	$	-		
Increase of	0%	1%	8	5.9%	$	52	$	7
Increase of	1%	2%	127	94.1%	$	16,231	$	128
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**135**	**100%**	**$**	**16,283**	**$**	**121**

SC5 Customer Bill Impact Analysis RY3								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	0	0.0%	$	-		
Increase of	0%	1%	5	83.3%	$	646	$	129
Increase of	1%	2%	1	16.7%	$	3,259	$	3,259
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**6**	**100%**	**$**	**3,905**	**$**	**651**

SC6 Customer Bill Impact Analysis RY3								
			# cust	% of cust		$ Impact		Impact/cust
Decrease of		<-10%	0	0.0%	$	-		
Decrease of	-10%	-9%	0	0.0%	$	-		
Decrease of	-9%	-8%	0	0.0%	$	-		
Decrease of	-8%	-7%	0	0.0%	$	-		
Decrease of	-7%	-6%	0	0.0%	$	-		
Decrease of	-6%	-5%	0	0.0%	$	-		
Decrease of	-5%	-4%	0	0.0%	$	-		
Decrease of	-4%	-3%	0	0.0%	$	-		
Decrease of	-3%	-2%	0	0.0%	$	-		
Decrease of	-2%	-1%	0	0.0%	$	-		
Decrease of	-1%	0%	0	0.0%	$	-		
Increase of	0%	1%	2	22.2%	$	77	$	39
Increase of	1%	2%	7	77.8%	$	361	$	52
Increase of	2%	3%	0	0.0%	$	-		
Increase of	3%	4%	0	0.0%	$	-		
Increase of	4%	5%	0	0.0%	$	-		
Increase of	5%	6%	0	0.0%	$	-		
Increase of	6%	7%	0	0.0%	$	-		
Increase of	7%	8%	0	0.0%	$	-		
Increase of	8%	9%	0	0.0%	$	-		
Increase of	9%	10%	0	0.0%	$	-		
Increase of	10%	11%	0	0.0%	$	-		
Increase of	11%	12%	0	0.0%	$	-		
Increase of	12%	13%	0	0.0%	$	-		
Increase of	13%	14%	0	0.0%	$	-		
Increase of	14%	15%	0	0.0%	$	-		
Increase of	15%	16%	0	0.0%	$	-		
Increase of	16%	17%	0	0.0%	$	-		
Increase of	17%	18%	0	0.0%	$	-		
Increase of	18%	19%	0	0.0%	$	-		
Increase of	19%	20%	0	0.0%	$	-		
Increase of	20%	23%	0	0.0%	$	-		
Increase of	23%	26%	0	0.0%	$	-		
Increase of		>30%	0	0.0%	$	-		
Totals (annual impact)			**9**	**100%**	**$**	**438**	**$**	**49**

Customers with Price Exception's Total Bills Impacts RY3

Price Exception Customer	Impact %		Impact $
AMHERST CENTRAL SCHOOL DIST	1.23%	$	176
CHAUTAUQUA UTILITY DIST	1.36%	$	752
CITY OF BUFFALO	1.17%	$	113,906
CITY OF SCHENECTADY	1.02%	$	9,975
CITY OF SYRACUSE DPW	1.07%	$	46,536
CITY OF UTICA DPW	1.06%	$	18,438
MUSEUM OF SCIENCE & TEC	2.10%	$	31
TOWN OF AMHERST	1.10%	$	37,508
TOWN OF QUEENSBURY	1.08%	$	1,900
TOWN OF TONAWANDA	1.15%	$	25,661
VILLAGE OF KENMORE	1.40%	$	4,031
VILLAGE OF KINDERHOOK	1.17%	$	420
VILLAGE OF WILLIAMSVILLE	1.29%	$	1,155
		$	**260,491**

Niagara Mohawk Power Corporation d/b/a National Grid
Illustrative Example of EAM (Earnings Adjustment Mechanism)

	1	2	3	4	5	6	7	8	9
				Earned EAM					
Service Class	1CP Allocation %	NCP Primary Allocation %	MWh Sales - Allocation %	1CP Allocated	Energy Allocated	1CP, NCP and Energy Allocated	Allocated EAM $	Forecast sales - kWh (Non-Demand)/ kW (Demand	EAM $/kWh/ kW
SC1	40.99%	51.14%	66.25%	$ 1,024,733	$ 3,776,302	$ 1,742,136	$ 6,543,170	11,042,711,403	$ 0.00059
SC1C	0.81%	1.07%	1.02%	$ 20,252	$ 58,352	$ 31,937	$ 110,542	284,120,235	$ 0.00039
SC2ND	2.54%	2.98%	2.93%	$ 63,598	$ 166,976	$ 93,002	$ 323,576	614,715,129	$ 0.00053
SC2D	14.46%	17.17%	12.39%	$ 361,441	$ 705,980	$ 484,122	$ 1,551,543	14,321,604	$ 0.11
SC3Sec	13.34%	16.71%	5.24%	$ 333,598	$ 298,815	$ 388,246	$ 1,020,660	11,350,978	$ 0.09
SC3Pri	5.15%	6.34%	1.62%	$ 128,719	$ 92,135	$ 144,155	$ 365,009	4,479,967	$ 0.08
SC3Sub/Tran	1.64%	0.00%	0.90%	$ 41,121	$ 51,361	$ 28,005	$ 120,487	1,747,419	$ 0.07
SC3ASec/Pri	2.98%	3.70%	0.68%	$ 74,547	$ 38,867	$ 80,963	$ 194,377	2,463,458	$ 0.08
SC3ASub	3.75%	0.00%	1.07%	$ 93,812	$ 60,784	$ 53,008	$ 207,604	3,204,773	$ 0.06
SC3ATrans	14.31%	0.00%	7.39%	$ 357,722	$ 421,067	$ 238,656	$ 1,017,445	12,028,467	$ 0.08
SL	0.02%	0.90%	0.52%	$ 456	$ 29,361	$ 15,768	$ 45,586	186,554,529	$ 0.00024
				$ 2,500,000	**$ 5,700,000**	**$ 3,300,000**	**$ 11,500,000**		

* Excludes SC12 (in accordance with their contract), EZR and EJP Load
1 Supported by Exhibit____(E-RDP-3CU), Schedule 8D, Line 17 (1CP_Trans)
2 Supported by Exhibit____(E-RDP-3CU), Schedule 8D, Line 20 (NCP_Primary)
3 Supported by Exhibit____(E-RDP-3CU), Schedule 8D, Line 11 (MWh Sales)
4 Appendix 17, Section 1.5, Mid-point for 2018 for Peak Reduction allocated by Column 1
5 Appendix 17, Section 1.5, Mid-point for 2018 for Incremental EE, Residential and Commercial Energy Intensity and LED Street Lighting allocated by Column 3
6 Appendix 17, Section 1.5, Mid-point for 2018 for DER Utilization, Developer Satisfaction and Beneficial Electrification equally by Columns 1, 2 and 3.

Case 17-E-0238
Appendix 2
Schedule 9
Page 1 of 1

Sch. 7

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Cost Study
Marginal Cost Rates

Line	Rate Class	Marginal Demand Cost	Marginal Customer Cost	Total Annual Cost	No. of Customers	Proposed Customer Charge	Proposed Customer Charge Revenue	Balance of Marginal Cost	kWh Deliveries	Billed kW	Proposed Marginal Cost Rates	Proposed Marginal Cost Rates
					Year 1							
1	Residential	$367,130,691	$374,834,441	$741,965,133	1,481,644	17.00	$302,255,401	$439,709,732	11,042,711,403			
2	Residential TOU	$6,057,819	$2,368,185	$8,426,004	5,088	30.00	$1,831,801	$6,594,203	284,120,235			
3	Small General No Dem	$9,770,312	$47,489,255	$57,259,567	114,107	21.02	$28,782,392	$28,477,175	614,715,129		**$0.04633**	
4	Small General Demand	$55,158,039	$55,604,890	$110,762,929	49,387	52.52	$31,125,903	$79,637,026	4,231,475,530	14,373,270		**$5.54**
5	Large General-Sec	$47,380,140	$14,583,997	$61,964,137	3,760	325.00	$14,663,708	$47,300,429	4,418,259,102	11,400,129		**$4.15**
6	Large General-Pri	$10,578,190	$5,425,497	$16,003,687	739	436.70	$3,872,227	$12,131,460	1,966,772,703	4,531,812		**$2.68**
7	Large General-Tran	$1,764,016	$2,900,068	$4,664,083	177	639.00	$1,359,783	$3,304,301	673,798,866	1,762,316		**$1.87**
8	Large General TOU-S/P	$6,482,323	$2,327,075	$8,809,398	81	1,333.33	$1,302,466	$7,506,932	1,212,980,500	2,489,126		**$3.02**
9	Large General TOU-U	$7,657,488	$3,511,494	$11,168,982	68	1,744.00	$1,416,151	$9,752,831	1,611,724,028	3,247,109		**$3.00**
10	Large General TOU-T	$15,345,474	$7,729,842	$23,075,315	94	4,007.00	$4,512,921	$18,562,395	7,091,764,835	13,493,431		**$1.38**
11	Lighting	$0	$0	$0	7,144		$0	$0	180,528,874			
12	Total - Excluding Lighting	$527,324,491	$516,774,743	$1,044,099,235	1,662,290		$391,122,752	$652,976,483	33,328,851,205	51,297,193		
13												
14					**Year 2**							
15	Residential	$367,130,691	$374,834,441	$741,965,133	1,485,903	17.00	$303,124,177	$438,840,956	11,042,711,403			
16	Residential TOU	$6,057,819	$2,368,185	$8,426,004	4,826	30.00	$1,737,422	$6,688,582	284,120,235			
17	Small General No Dem	$9,770,312	$47,489,255	$57,259,567	114,550	21.02	$28,894,045	$28,365,522	614,715,129		**$0.04614**	
18	Small General Demand	$55,158,039	$55,604,890	$110,762,929	49,525	52.52	$31,212,495	$79,550,434	4,231,475,530	14,373,270		**$5.53**
19	Large General-Sec	$47,380,140	$14,583,997	$61,964,137	3,776	390.00	$17,671,006	$44,293,131	4,418,259,102	11,400,129		**$3.89**
20	Large General-Pri	$10,578,190	$5,425,497	$16,003,687	742	436.70	$3,888,805	$12,114,882	1,966,772,703	4,531,812		**$2.67**
21	Large General-Tran	$1,764,016	$2,900,068	$4,664,083	178	712.00	$1,521,178	$3,142,905	673,798,866	1,762,316		**$1.78**
22	Large General TOU-S/P	$6,482,323	$2,327,075	$8,809,398	79	1,666.67	$1,589,938	$7,219,460	1,212,980,500	2,489,126		**$2.90**
23	Large General TOU-U	$7,657,488	$3,511,494	$11,168,982	66	2,088.00	$1,650,178	$9,518,804	1,611,724,028	3,247,109		**$2.93**
24	Large General TOU-T	$15,345,474	$7,729,842	$23,075,315	92	4,513.00	$5,001,037	$18,074,278	7,091,764,835	13,493,431		**$1.34**
25	Lighting	$0	$0	$0	0		$0	$0	180,528,874			
26	Total - Excluding Lighting	$527,324,491	$516,774,743	$1,044,099,235	1,659,737		$396,290,280	$647,808,955	33,328,851,205	51,297,193		
27					**Year 3**							
28	Residential	$367,130,691	$374,834,441	$741,965,133	1,490,193	17.00	$303,999,308	$437,965,824	11,042,711,403			
29	Residential TOU	$6,057,819	$2,368,185	$8,426,004	4,574	30.00	$1,646,638	$6,779,366	284,120,235			
30	Small General No Dem	$9,770,312	$47,489,255	$57,259,567	115,027	21.02	$29,014,522	$28,245,045	614,715,129		**$0.04595**	
31	Small General Demand	$55,158,039	$55,604,890	$110,762,929	49,677	52.52	$31,308,397	$79,454,532	4,231,475,530	14,373,270		**$5.53**
32	Large General-Sec	$47,380,140	$14,583,997	$61,964,137	3,793	455.00	$20,708,545	$41,255,592	4,418,259,102	11,400,129		**$3.62**
33	Large General-Pri	$10,578,190	$5,425,497	$16,003,687	745	436.70	$3,906,351	$12,097,336	1,966,772,703	4,531,812		**$2.67**
34	Large General-Tran	$1,764,016	$2,900,068	$4,664,083	179	786.00	$1,686,309	$2,977,774	673,798,866	1,762,316		**$1.69**
35	Large General TOU-S/P	$6,482,323	$2,327,075	$8,809,398	78	2,000.00	$1,863,633	$6,945,765	1,212,980,500	2,489,126		**$2.79**
36	Large General TOU-U	$7,657,488	$3,511,494	$11,168,982	64	2,432.00	$1,870,976	$9,298,006	1,611,724,028	3,247,109		**$2.86**
37	Large General TOU-T	$15,345,474	$7,729,842	$23,075,315	91	5,020.00	$5,474,930	$17,600,386	7,091,764,835	13,493,431		**$1.30**
38	Lighting	$0	$0	$0	0		$0	$0	180,528,874			
39	Total - Excluding Lighting	$527,324,491	$516,774,743	$1,044,099,235	1,664,421		$401,479,609	$642,619,626	33,328,851,205	51,297,193		

Case 17-E-0238
Appendix 2
Schedule 10.1
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Development of Excelsior Jobs Program (EJP) Rates

Service Classification	(1) Current EJP Rate (per kw/kWh)	(2) Rate Year 3 Proposed Marginal Rate	(3) Proposed YR3 Standard Delivery Rate	(4) Phase in	(5) Proposed EJP Rates - RY1	(6) Proposed EJP Rates - RY2	(7) Proposed EJP Rates - RY3	(8) Proposed EJP Rates - RY4	(9) Proposed EJP Rates - RY5
SC2ND	$0.00325	$0.04595	$0.06627	Yes	$0.01179	$0.02033	$0.02887	$0.03741	$0.04595
SC2D	$4.67	$5.53	$12.36	Yes	$4.84	$5.01	$5.18	$5.36	$5.53
SC3 Sec	$3.74	$3.62	$11.09	Yes	$3.72	$3.69	$3.67	$3.64	$3.62
SC3 Pri	$2.16	$2.67	$9.79	Yes	$2.26	$2.36	$2.47	$2.57	$2.67
SC3A Sub	$2.51	$2.86	$3.66	Yes	$2.58	$2.65	$2.72	$2.79	$2.86
					(10)	(11)	(12)		
SC3 Sub/Trans	$2.00		$2.96	No	$1.87	$1.78	$1.69		
SC3A Sec/Pri	$4.08		$10.66	No	$3.02	$2.90	$2.79		
SC3ATRA	$1.70		$3.36	No	$1.38	$1.34	$1.30		

(1) Current EJP Rates
(2) Year 3 Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1
(3) Year 3 Proposed Delivery Rates
(4) If Column (2) is greater than Column (1) and lesser than Column (3), than phase in for five year period;
If Column (2) is lower than Column (1), no phase in required, with the exception of SC3 SEC, which will be phased down to RY3 marginal rates
(5)-(9) Five year Phased in EJP Rates
(10)-(12) RY1-RY3 Rates per Appendix 2, Schedule 10.1 for classes with no phase in.

Niagara Mohawk Power Corporation d/b/a National Grid
Development of Economic Development Zone Program (EZR) Rates

Service Classification	(1) Current EZR Rate (per kw/kWh)	(2) Rate Year 3 Proposed Marginal Rate for SC2ND	(3) Proposed YR3 Standard Delivery Rate (SC2ND Only)	(5) Proposed SC2ND EZR Rate - RY 1	(6) Proposed SC2ND EZR Rate - RY 2	(7) Proposed SC2ND EZR Rate - RY 3	(8) Proposed SC2ND EZR Rate - RY 4	(9) Proposed SC2ND EZR Rate - RY 5
SC2ND (Phase In)	$0.00325	$0.04595	$0.06627	$0.01179	$0.02033	$0.02887	$0.03741	$0.04595

	Current EZR Rate (per kW)	(10) Rate Year 1 Proposed EZR Rates	(11) Rate Year 2 Proposed EZR Rates	(12) Rate Year 3 Proposed EZR Rates
SC2D	$4.67	$5.54	$5.53	$5.53
SC3 Sec	$3.74	$4.15	$3.89	$3.62
SC3 Pri	$2.16	$2.68	$2.67	$2.67
SC3 Sub/Trans	$2.00	$1.87	$1.78	$1.69
SC3A Sec/Pri	$4.08	$3.02	$2.90	$2.79
SC3A Sub	$2.51	$3.00	$2.93	$2.86
SC3ATRA	$1.70	$1.38	$1.34	$1.30

(1) Current SC2ND EZR Rates
(2) Year 3 Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1
(3) Year 3 Proposed SC2ND Delivery Rates
(5)-(9) Proposed SC2ND EZR Rates for Rate Years 1 - 5 based on Five Year Phase In to RY 3 Marginal Cost Rate
(10) - (12) Proposed EZR Rates for Years 1 - 3 based on Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1

Case 17-E-0238
Appendix 2
Schedule 10.2
Page 1 of 1

ETIP Cost Allocation by Benefits

Line	Description	Source	Total	Resid-ential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen Sec	Large Gen Pri	Large Gen Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1	Allocator- 1CP-No NYPA	Exh. RDP-3, Sch. 9A, line 7, NYPA removed	5,460	2,481	49	154	865	776	288	92	141	191	422	1
2	Allocator- NCP-Pri-No NYPA	Exh. RDP-3, Sch. 9A, line 8, NYPA removed	5,252	2,743	57	160	911	862	314	-	157	-	-	48
3	Allocator- MWh-No NYPA	Exh. RDP-3, Sch. 9A, line 2, NYPA removed	28,299,094	10,892,459	282,689	612,682	4,198,661	4,253,400	1,779,012	545,883	937,184	1,378,962	3,237,633	180,529
4														
5	% 1CP-No NYPA	% of Total, Line 1	100.00%	45.43%	0.90%	2.82%	15.85%	14.22%	5.27%	1.68%	2.57%	3.50%	7.73%	0.02%
6	% NCP-Pri-No NYPA	% of Total, Line 2	100.00%	52.23%	1.09%	3.05%	17.34%	16.41%	5.98%	0.00%	2.98%	0.00%	0.00%	0.91%
7	% MWh-No NYPA	% of Total, Line 3	100.00%	38.49%	1.00%	2.17%	14.84%	15.03%	6.29%	1.93%	3.31%	4.87%	11.44%	0.64%
8														
9	Weighted 1CP-No NYPA	Line 5 X Line 25		5.26%	0.10%	0.33%	1.84%	1.65%	0.61%	0.19%	0.30%	0.41%	0.90%	0.00%
10	Weighted NCP-Pri-No NYPA	Line 6 X Line 26		4.65%	0.10%	0.27%	1.54%	1.46%	0.53%	0.00%	0.27%	0.00%	0.00%	0.08%
11	Weighted MWh-No NYPA	Line 7 X Line 27		30.61%	0.79%	1.72%	11.80%	11.95%	5.00%	1.53%	2.63%	3.87%	9.10%	0.51%
12			100.00%	40.52%	1.00%	2.32%	15.18%	15.06%	6.14%	1.73%	3.20%	4.28%	9.99%	0.59%
13														
14	**Allocation of ETIP ($000s)**		**$51,154**	**$20,726**	**$509**	**$1,186**	**$7,764**	**$7,704**	**$3,141**	**$884**	**$1,636**	**$2,190**	**$5,112**	**$302**
15														

16	Avoided Costs ($000S)	Total	2017	2018	2019	2020	Allocation Basis
17	Generation Capacity	$55,038	$19,235	$21,422	$6,786	$7,594	1CP_Trans
18	Transmission Capacity	8,390	-	-	4,112	4,278	1CP_Trans
19	Distribution Capacity	48,769	6,731	7,355	16,998	17,685	NCP_Pri
20	Energy	365,462	112,670	131,834	58,114	62,843	Energy
21	CO2	70,149	-	-	34,388	35,762	Energy
22	TOTAL	$547,808	$138,636	$160,612	$120,398	$128,162	
23							

24	Allocator	Total	%
25	1CP_Trans	$63,428	11.58%
26	NCP_Pri	48,769	8.90%
27	Energy	435,611	79.52%
28		$547,808	100.00%

Case 17 -E-0238
Appendix 2
Schedule 11
Page 1 of 1

Illustrative Allocation of Avoided Capacity and Ancillary Service Costs from Legacy and SC-6 Contracts to Legacy Transistion Charge (LTC)

	Description	Forecast April 2018	Actual April 2018	
1	Legacy Contracts Energy MWh	150,000	160,000	
2	Legacy Contracts Rate $/MWh	$70.00	$68.00	
3	Legacy Contracts Costs ($) (Line 1 x Line 2)	$10,500,000	$10,880,000	
4	Market Energy Rate $/MWh (Zone C)	$20.00	$22.00	
5	Market Capacity Rate $/kw-mo	$0.30	$0.20	
6	Market Ancillary Rate $/MWh	$2.40	$2.30	
7	Legacy Contracts Capacity (MW)	135	135	
8	Legacy Contract Energy Market Value ($) (Line 1 x Line 4)	$3,000,000	$3,520,000	
9	Legacy Contract Capacity Market Value ($) (Line 5 x Line 7 x 1000)	$40,500	$27,000	
10	***Legacy Contract Ancillary Market Value ($) (Line 1 x Line 6)***	***$360,000***	***$368,000***	***NEW***
11	Legacy Contracts Total Market Value ($) (Line 8 + Line 9 + Line 10)	$3,400,500	$3,915,000	
12	*SC-6 Contracts Avoided Capacity(MW)*	*N/A*	*1.5*	***NEW***
13	*SC-6 Contracts Avoided Ancillary (MWh)*	*N/A*	*25,000*	***NEW***
14	*SC-6 Contracts Avoided Capacity Costs ($) (Line 5 x Line 12 x 1000)*	*$0*	*$300*	***NEW***
15	*SC-6 Contracts Avoided Ancillary Costs ($) (Line 6 x Line 13)*	*$0*	*$57,500*	***NEW***
16	***SC-6 Contracts Avoided Cap / Anc Market Value ($) (Line 14+Line 15)***	***$0***	***$57,800***	***NEW***
17	Net Market Value (OMVC) ($) (Line 3 - Line 11- Line 16)	$7,099,500	**$6,907,200**	

	Description	Forecast June 2018	
18	Legacy Contracts MWh	110,000	
19	Legacy Contract Rate $/MWh	$70.00	
20	Legacy Contract Costs ($) (Line 18 x Line 19)	7,700,000	
21	Market Energy Rate $/MWh (Zone C)	$23.00	
22	Market Capacity Rate $/kw-mo	$1.80	
23	Market Ancillary Rate $/MWh	$2.20	
24	Legacy Contracts Capacity (MW)	110	
25	Legacy Contract Energy Market Value ($) (Line 18 x Line 21)	$2,530,000	
26	Legacy Contract Capacity Market Value ($) (Line 22 x Line 24 x 1000)	$198,000	
27	***Legacy Contract Ancillary Market Value ($) (Line 18 x Line 23)***	***$242,000***	***NEW***
28	Legacy Contracts Total Market Value ($) (Line 25 + Line 26 + Line 27)	2,970,000	
29	*SC-6 Contracts Avoided Capacity(MW)*	*N/A*	***NEW***
30	*SC-6 Contracts Avoided Ancillary (MWh)*	*N/A*	***NEW***
31	*SC-6 Contracts Avoided Capacity Costs ($) (Line 22 x Line 29 x 1000)*	*$0*	***NEW***
32	*SC-6 Contracts Avoided Ancillary Costs ($) (Line 23 x Line 30 x 1000)*	*$0*	***NEW***
33	***SC-6 Contracts Avoided Cap / Anc Market Value ($) (Line 31+Line 32)***	***$0***	***NEW***
34	Forecast Net Market Value (OMVC) ($) (Line 20- Line 28 - Line 33)	**$4,730,000**	

LTC Workpaper Filed Monthly

Legacy Transition Charge
Rule 46.2
(exclusive of the Rule 46.2.6 NYPA Benefit)

		April 2018	June 2018
1	Forecast Net Market Value (OMVC) of Legacy Hedges		**$ 4,730,000.00**
2	Scheduled Nine Mile 2 RSA Credit		$ -
3	Actual Net Market Value (OMVC) of Legacy Hedges	**$ 6,907,200.00**	
4	Nine Mile 2 RSA Credit	$ -	
5	Prior LTC reconciliation calculated for October 2017 Billing	$ (200,000.00)	
6	Intended Billing (Line 3 + Line 4 + Line 5)	$ 6,707,200.00	
7	Legacy Transition Charge Billed Revenue	$ 7,000,000.00	
8	Reconciliation of Billed Revenue (Line 6 - Line 7)		$ (292,800.00)
9	Legacy Transition Charge for December 2017 Billing (Line 1 + Line 2 + Line 8)		$ 4,437,200.00

	Rate Calculation	Billing Month June 2018
10	Forecast Total Delivery Sales in Billing Month (kWh)	2,400,000,000
11	**Legacy Transition Charge** (Line 9/ Line 10)	**$ 0.001849**

Case 17-E-0238
Appendix 2
Schedule 12
Page 1 of 1

The Group Method for Allocation of NYISO Weather Normalization as Applied to ICAP Tag Development

The System Peak Factor reconciles the sum of calculated class coincident peaks to the NYISO forecast peak for the capability period. The System Peak Factor is one component of the ICAP tag development that the Company performs annually. Components of the System Peak Factor include load growth, losses, and weather normalization.

Weather normalization is currently allocated by the Company to all service classes in equal proportions based on their coincident peak load. To address the concern that all service classes are not equally weather sensitive and, therefore, should not receive an equal share of the weather normalization quantity as happens in the current process, the Company will revise the methodology to calculate the System Peak Factor and use the Group Method.

The Group Method assigns the service classes into one of three groups depending upon their level of weather sensitivity as a class. The groups for this purpose were determined by weather sensitivity analyses of historical class peak loads and are defined as follows:

Group 1	Most weather sensitive	SC-1 SC-1C SC-2 non-demand SC-2 Demand SC3A secondary
Group 2	Moderate weather sensitive	SC-3 secondary SC-3 primary SC-3 MHP secondary SC-3 MHP primary SC-3 MHP sub-transmission
Group 3	Least weather sensitive	SC-3 sub-transmission SC-3 transmission SC-3 MHP transmission SC-3A primary SC-3A sub-transmission SC-3A transmission

MHP indicates customers billed hourly for commodity, whether mandatory or voluntary hourly priced customer. All SC-3A customers are also hourly priced customers.

In the Group Method, allocation of the weather normalization quantities will vary among the Groups. Weather normalization quantities up to an amount equal to 1% of Corporate Load in

the coincident NYISO annual peak hour will be allocated proportionally among all rate classes (Groups 1, 2 and 3). Normalization quantities between 1-3% of Corporate Load in the NYISO Annual Peak hour will be proportionally allocated to Groups 1 & 2. Normalization quantities above 3% of Corporate Load in the coincident NYISO annual peak hour will be shared proportionally only among Group 1.

The Group Method will be deployed for the development of ICAP tags effective with the May 1, 2018 capability period. The Group Method defined above will continue to be used until such time that a service class's weather sensitivity is demonstrably different from the historic period analyzed above.

APPENDIX 3

Niagara Mohawk Power Corporation d/b/a National Grid
Forecast Gas Revenue Exhibit
FY2019

Class Name	Customers	Billed Therms	1 Base Delivery Revenue	2 Merchant Function Charge Revenue	3 CEF Revenue	4 EES Revenue	5 EZR/EJP Credit	6 Other Misc Revenue /Credits	7 Total Delivery Revenue (Sum of 1 to 6)	8 Commodity Revenue	9 Gross Revenue Taxes	10 Revenue (7+8+9)
SC1 Residential Non Heat	25,843	4,440,425	$7,432,201	$103,746	$16,334	$40,848	$0	$0	$7,593,129	$1,412,747	$198,383	$9,204,259
SC1 Residential Heat	456,607	434,566,095	$192,501,773	$10,179,306	$1,598,562	$3,997,586	$0	$0	$208,277,226	$138,885,657	$5,916,221	$353,079,104
SC1 MB Residential Non-Heat	2,954	529,638	$860,815	$0	$1,948	$4,872	$0	$0	$867,635	$0	$21,903	$889,539
SC1 MB Residential Heat	88,108	90,773,784	$37,997,525	$0	$333,914	$835,031	$0	$0	$39,166,470	$0	$988,747	$40,155,217
Total SC1	**573,513**	**530,309,942**	**$238,792,314**	**$10,283,052**	**$1,950,758**	**$4,878,336**	**$0**	**$0**	**$255,904,460**	**$140,298,404**	**$7,125,254**	**$403,328,118**
SC2 Residential Non Heat	111	14,042	$35,787	$128	$52	$129	$0	$0	$36,096	$4,417	$932	$41,445
SC2 Residential Heat	1,494	2,008,204	$927,700	$18,393	$7,387	$18,474	$0	$0	$971,954	$635,297	$27,548	$1,634,799
SC2 Commercial Non Heat	1,271	3,342,220	$1,003,766	$30,498	$12,294	$30,745	($6,624)	$0	$1,070,679	$1,047,803	$10,042	$2,128,524
SC2 Commercial Heat	27,550	103,481,352	$28,686,059	$947,185	$380,659	$951,928	($171,582)	$0	$30,794,248	$32,688,929	$300,910	$63,784,088
SC2 Industrial	77	1,465,234	$261,930	$13,410	$5,390	$13,479	($2,502)	$0	$291,705	$462,687	$3,576	$757,968
SC2 MB Residential Non Heat	13	2,496	$4,288	$0	$9	$23	$0	$0	$4,320	$0	$109	$4,429
SC2 MB Residential Heat	307	1,025,141	$320,450	$0	$3,771	$9,430	$0	$0	$333,651	$0	$8,423	$342,074
SC2 MB Commercial Non Heat	723	3,004,721	$843,587	$0	$11,053	$27,641	($5,755)	$0	$876,525	$0	$4,155	$880,680
SC2 MB Commercial Heat	15,550	100,586,592	$23,975,414	$0	$370,010	$925,299	($168,856)	$0	$25,101,867	$0	$118,983	$25,220,850
SC2 MB Industrial	72	1,308,788	$227,750	$0	$4,814	$12,040	($2,195)	$0	$242,410	$0	$1,149	$243,559
Total SC2	**47,166**	**216,238,792**	**$56,286,729**	**$1,009,613**	**$795,440**	**$1,989,187**	**($357,514)**	**$0**	**$59,723,455**	**$34,839,133**	**$475,826**	**$95,038,415**
SC3 Commercial Non Heat	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC3 Commercial Heat	34	7,876,391	$943,680	$70,573	$28,973	$72,455	$0	$0	$1,115,681	$2,358,495	$16,468	$3,490,644
SC3 Industrial	8	2,093,699	$240,926	$18,692	$7,702	$19,260	$0	$0	$286,581	$621,254	$4,303	$912,138
Total SC3	**42**	**9,970,089**	**$1,184,606**	**$89,265**	**$36,675**	**$91,715**	**$0**	**$0**	**$1,402,261**	**$2,979,749**	**$20,771**	**$4,402,782**
SC5 Firm Gas Transportation	158	80,150,830	$6,148,805	$0	$294,837	$737,310	($165,889)	$0	$7,015,062	$0	$33,251	$7,048,313
SC6 Interruptible	15	47,027,611	$2,503,905	$0	$0	$0	$0	$0	$2,503,905	$0	$11,869	$2,515,774
SC7 Small Volume Firm Transporation	704	64,251,101	$9,079,229	$0	$236,349	$591,048	($111,204)	$0	$9,795,421	$0	$46,430	$9,841,852
SC8 Transportation Service with Standby Sales Service	60	235,986,242	$16,218,423	$0	$868,081	$2,170,844	($515,392)	$0	$18,741,955	$0	$88,837	$18,830,792
SC9 Negotiated Transportation Service	5	82,442,596	$3,864,072	$0	$0	$0	$0	$0	$3,864,072	$0	$61,496	$3,925,568
NYSEG Transportation	1	2,879,234	$286,169	$0	$0	$0	$0	$0	$286,169	$0	$1,356	$287,525
SC10 Natural Gas Vehicles	2	161,609	$98,420	$0	$0	$0	$0	$0	$98,420	$51,261	$709	$150,391
SC11 Load Aggregation Service	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (<250K)	1	14,208	$2,580	$118	$0	$0	$0	$0	$2,698	$3,881	$31	$6,610
SC12 Distributed Generation (250K to 1000K)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (1M to 2.5M)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (>2.5M)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC13 Residential Distributed Generation	3	3,618	$1,129	$32	$0	$0	$0	$0	$1,161	$1,161	$35	$2,357
SC12 MB Distributed Generation (<250K)	1	49,098	$4,488	$0	$0	$0	$0	$0	$4,488	$0	$21	$4,509
SC12 MB Distributed Generation (250K to 1000K)	7	548,348	$66,902	$0	$0	$0	$0	$0	$66,902	$0	$317	$67,219
SC12 MB Distributed Generation (1M to 2.5M)	3	4,662,867	$268,408	$0	$0	$0	$0	$0	$268,408	$0	$1,272	$269,680
SC12 MB Distributed Generation (>2.5M)	2	9,007,366	$525,911	$0	$0	$0	$0	$0	$525,911	$0	$2,493	$528,404
SC13 MB Residential Distributed Generation	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total SC5 - SC13	**962**	**527,184,727**	**$39,068,439**	**$150**	**$1,399,267**	**$3,499,201**	**($792,486)**	**$0**	**$43,174,572**	**$56,304**	**$248,118**	**$43,478,993**
SC14 Dual Fuel Electric Generators	5	484,088,825	$13,088,293	$0	$0	$0	$0	$0	$13,088,293	$0	$62,039	$13,150,331
Consolidated Billing Credits								($919,365)	($919,365)	$0	$0	($919,365)
Revenue Subtotal	**621,687**	**1,767,792,375**	**$348,420,382**	**$11,382,080**	**$4,182,140**	**$10,458,439**	**($1,150,000)**	**($919,365)**	**$372,373,676**	**$178,173,590**	**$7,932,008**	**$558,479,274**
Late Payment Charges								$2,600,717	$2,600,717		$38,779	$2,639,496
One Bill Billing Fees								$919,365	$919,365			$919,365
Supervision & Admin Allocated to Gas								$1,845,239	$1,845,239			$1,845,239
Misc. 3rd Party Billings								$838,438	$838,438			$838,438
Revenues from Affiliates								$6,615	$6,615			$6,615
Other Misc. Fees (Reconnection Charge)								$67,758	$67,758			$67,758
POR MFC (Credit & Collections Revenues)				$589,376					$589,376		$12,011	$601,387
Revenue Total	**621,687**	**1,767,792,375**	**$348,420,382**	**$11,971,456**	**$4,182,140**	**$10,458,439**	**($1,150,000)**	**$5,358,766**	**$379,241,183**	**$178,173,590**	**$7,982,798**	**$565,397,571**

Case 17-G-0239
Appendix 3
Schedule 1.1
Page 1 of 3

Niagara Mohawk Power Corporation d/b/a National Grid
Forecast Gas Revenue Exhibit
FY2020

Class Name	Customers	Billed Therms	1 Base Delivery Revenue	2 Merchant Function Charge Revenue	3 CEF Revenue	4 EES Revenue	5 EZR/EJP Credit	6 Other Misc Revenue /Credits	7 Total Delivery Revenue (Sum of 1 to 6)	8 Commodity Revenue	9 Gross Revenue Taxes	10 Revenue (7+8+9)
SC1 Residential Non Heat	26,243	4,483,714	$7,540,655	$101,271	$16,493	$41,246	$0	$0	$7,699,666	$1,371,969	$200,879	$9,272,514
SC1 Residential Heat	466,316	442,078,609	$196,365,108	$10,021,738	$1,626,197	$4,066,693	$0	$0	$212,079,736	$136,156,828	$5,999,280	$354,235,844
SC1 MB Residential Non-Heat	2,510	449,572	$731,336	$0	$1,654	$4,136	$0	$0	$737,125	$0	$18,609	$755,734
SC1 MB Residential Heat	83,194	85,626,446	$35,867,751	$0	$314,979	$787,680	$0	$0	$36,970,410	$0	$933,308	$37,903,718
Total SC1	**578,263**	**532,638,342**	**$240,504,849**	**$10,123,010**	**$1,959,323**	**$4,899,755**	**$0**	**$0**	**$257,486,937**	**$137,528,797**	**$7,152,076**	**$402,167,810**
SC2 Residential Non Heat	118	14,638	$37,968	$128	$54	$135	$0	$0	$38,284	$4,422	$987	$43,694
SC2 Residential Heat	1,573	2,104,739	$974,667	$18,460	$7,742	$19,362	$0	$0	$1,020,231	$641,215	$28,795	$1,690,241
SC2 Commercial Non Heat	1,226	3,267,147	$974,921	$28,505	$12,018	$30,055	($5,221)	$0	$1,040,278	$982,307	$9,587	$2,032,172
SC2 Commercial Heat	27,769	105,370,981	$29,092,812	$923,451	$387,610	$969,311	($140,555)	$0	$31,232,629	$32,036,897	$299,898	$63,569,423
SC2 Industrial	78	1,515,830	$269,923	$13,278	$5,576	$13,944	($2,097)	$0	$300,624	$460,320	$3,607	$764,550
SC2 MB Residential Non Heat	11	2,154	$3,756	$0	$8	$20	$0	$0	$3,783	$0	$96	$3,879
SC2 MB Residential Heat	308	1,026,857	$321,382	$0	$3,777	$9,446	$0	$0	$334,606	$0	$8,447	$343,053
SC2 MB Commercial Non Heat	730	3,071,342	$858,427	$0	$11,298	$28,253	($4,708)	$0	$893,271	$0	$4,234	$897,505
SC2 MB Commercial Heat	15,550	101,568,369	$24,128,626	$0	$373,622	$934,330	($137,041)	$0	$25,299,537	$0	$119,920	$25,419,456
SC2 MB Industrial	72	1,325,397	$230,315	$0	$4,876	$12,192	($1,786)	$0	$245,597	$0	$1,164	$246,761
Total SC2	**47,435**	**219,267,454**	**$56,892,797**	**$983,822**	**$806,581**	**$2,017,047**	**($291,409)**	**$0**	**$60,408,839**	**$34,125,161**	**$476,734**	**$95,010,734**
SC3 Commercial Non Heat	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC3 Commercial Heat	32	7,813,909	$926,607	$66,951	$28,744	$71,880	$0	$0	$1,094,182	$2,244,614	$15,826	$3,354,623
SC3 Industrial	8	2,188,696	$253,048	$18,643	$8,051	$20,134	$0	$0	$299,876	$619,273	$4,357	$923,505
Total SC3	**40**	**10,002,605**	**$1,179,655**	**$85,594**	**$36,795**	**$92,014**	**$0**	**$0**	**$1,394,058**	**$2,863,887**	**$20,183**	**$4,278,128**
SC5 Firm Gas Transportation	158	81,034,431	$6,205,795	$0	$298,087	$745,438	($134,403)	$0	$7,114,918	$0	$33,725	$7,148,643
SC6 Interruptible	15	47,545,545	$2,530,339	$0	$0	$0	$0	$0	$2,530,339	$0	$11,994	$2,542,333
SC7 Small Volume Firm Transporation	707	65,450,783	$9,220,958	$0	$240,762	$602,084	($91,037)	$0	$9,972,767	$0	$47,271	$10,020,038
SC8 Transportation Service with Standby Sales Service	60	238,971,499	$16,391,428	$0	$879,062	$2,198,305	($418,152)	$0	$19,050,645	$0	$90,300	$19,140,945
SC9 Negotiated Transportation Service	5	82,675,716	$3,931,379	$0	$0	$0	$0	$0	$3,931,379	$0	$62,567	$3,993,946
NYSEG Transportation	1	2,941,111	$288,166	$0	$0	$0	$0	$0	$288,166	$0	$1,366	$289,532
SC10 Natural Gas Vehicles	2	165,693	$100,907	$0	$0	$0	$0	$0	$100,907	$50,421	$717	$152,046
SC11 Load Aggregation Service	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (<250K)	1	16,111	$2,690	$131	$0	$0	$0	$0	$2,820	$4,178	$33	$7,031
SC12 Distributed Generation (250K to 1000K)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (1M to 2.5M)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (>2.5M)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC13 Residential Distributed Generation	3	3,607	$1,129	$31	$0	$0	$0	$0	$1,160	$1,116	$35	$2,311
SC12 MB Distributed Generation (<250K)	1	55,886	$4,869	$0	$0	$0	$0	$0	$4,869	$0	$23	$4,892
SC12 MB Distributed Generation (250K to 1000K)	7	621,305	$70,688	$0	$0	$0	$0	$0	$70,688	$0	$335	$71,023
SC12 MB Distributed Generation (1M to 2.5M)	3	4,895,704	$279,545	$0	$0	$0	$0	$0	$279,545	$0	$1,325	$280,870
SC12 MB Distributed Generation (>2.5M)	2	9,007,366	$525,911	$0	$0	$0	$0	$0	$525,911	$0	$2,493	$528,404
SC13 MB Residential Distributed Generation	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total SC5 - SC13	**965**	**533,384,758**	**$39,553,806**	**$162**	**$1,417,912**	**$3,545,827**	**($643,591)**	**$0**	**$43,874,116**	**$55,715**	**$252,183**	**$44,182,014**
SC14 Dual Fuel Electric Generators	5	486,632,675	$12,970,150	$0	$0	$0	$0	$0	$12,970,150	$0	$61,479	$13,031,629
Consolidated Billing Credits								($919,365)	($919,365)	$0	$0	($919,365)
Revenue Subtotal	**626,708**	**1,781,925,833**	**$351,101,258**	**$11,192,588**	**$4,220,610**	**$10,554,644**	**($935,000)**	**($919,365)**	**$375,214,735**	**$174,573,560**	**$7,962,654**	**$557,750,949**
Late Payment Charges								$2,599,861	$2,599,861		$38,714	$2,638,575
One Bill Billing Fees								$919,365	$919,365			$919,365
Supervision & Admin Allocated to Gas								$1,893,192	$1,893,192			$1,893,192
Misc. 3rd Party Billings								$860,227	$860,227			$860,227
Revenues from Affiliates								$6,615	$6,615			$6,615
Other Misc. Fees (Reconnection Charge)								$67,758	$67,758			$67,758
POR MFC (Credit & Collections Revenues)				$563,741					$563,741		$11,326	$575,068
Revenue Total	**626,708**	**1,781,925,833**	**$351,101,258**	**$11,756,329**	**$4,220,610**	**$10,554,644**	**($935,000)**	**$5,427,653**	**$382,125,494**	**$174,573,560**	**$8,012,695**	**$564,711,749**

Case 17-G-0239
Appendix 3
Schedule 1.1
Page 2 of 3

Niagara Mohawk Power Corporation d/b/a National Grid
Forecast Gas Revenue Exhibit
FY2021

Class Name	Customers	Billed Therms	1 Base Delivery Revenue	2 Merchant Function Charge Revenue	3 CEF Revenue	4 EES Revenue	5 EZR/EJP Credit	6 Other Misc Revenue /Credits	7 Total Delivery Revenue (Sum of 1 to 6)	8 Commodity Revenue	9 Gross Revenue Taxes	10 Revenue (7+8+9)
SC1 Residential Non Heat	26,095	4,448,622	$7,495,296	$100,721	$16,364	$40,923	$0	$0	$7,653,304	$1,354,135	$199,624	$9,207,063
SC1 Residential Heat	477,648	452,049,114	$200,959,330	$10,273,566	$1,662,873	$4,158,412	$0	$0	$217,054,182	$138,531,471	$6,136,114	$361,721,767
SC1 MB Residential Non-Heat	2,067	369,559	$601,983	$0	$1,359	$3,400	$0	$0	$606,742	$0	$15,317	$622,059
SC1 MB Residential Heat	76,821	79,081,086	$33,115,245	$0	$290,902	$727,469	$0	$0	$34,133,616	$0	$861,694	$34,995,310
Total SC1	**582,631**	**535,948,381**	**$242,171,853**	**$10,374,287**	**$1,971,499**	**$4,930,204**	**$0**	**$0**	**$259,447,844**	**$139,885,606**	**$7,212,750**	**$406,546,199**
SC2 Residential Non Heat	115	14,434	$36,952	$128	$53	$133	$0	$0	$37,266	$4,341	$961	$42,568
SC2 Residential Heat	1,574	2,105,195	$975,019	$18,740	$7,744	$19,366	$0	$0	$1,020,869	$638,165	$28,796	$1,687,830
SC2 Commercial Non Heat	1,177	3,155,218	$939,152	$27,929	$11,607	$29,025	($4,082)	$0	$1,003,632	$942,765	$9,226	$1,955,623
SC2 Commercial Heat	27,932	106,198,579	$29,302,734	$944,304	$390,654	$976,924	($114,756)	$0	$31,499,860	$32,099,251	$301,460	$63,900,570
SC2 Industrial	80	1,563,137	$277,943	$13,892	$5,750	$14,379	($1,761)	$0	$310,203	$471,822	$3,707	$785,732
SC2 MB Residential Non Heat	13	2,435	$4,436	$0	$9	$22	$0	$0	$4,468	$0	$113	$4,580
SC2 MB Residential Heat	306	1,018,022	$318,694	$0	$3,745	$9,365	$0	$0	$331,803	$0	$8,376	$340,180
SC2 MB Commercial Non Heat	738	3,111,764	$869,276	$0	$11,447	$28,625	($3,861)	$0	$905,488	$0	$4,292	$909,780
SC2 MB Commercial Heat	15,533	101,604,520	$24,134,905	$0	$373,755	$934,663	($110,967)	$0	$25,332,355	$0	$120,075	$25,452,430
SC2 MB Industrial	73	1,325,319	$230,727	$0	$4,875	$12,192	($1,446)	$0	$246,348	$0	$1,168	$247,516
Total SC2	**47,540**	**220,098,623**	**$57,089,838**	**$1,004,993**	**$809,638**	**$2,024,693**	**($236,872)**	**$0**	**$60,692,291**	**$34,156,343**	**$478,174**	**$95,326,809**
SC3 Commercial Non Heat	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC3 Commercial Heat	30	7,635,243	$896,664	$66,404	$28,086	$70,237	$0	$0	$1,061,392	$2,180,081	$15,365	$3,256,837
SC3 Industrial	9	2,279,091	$265,838	$19,714	$8,384	$20,965	$0	$0	$314,901	$641,528	$4,533	$960,963
Total SC3	**39**	**9,914,334**	**$1,162,502**	**$86,119**	**$36,470**	**$91,202**	**$0**	**$0**	**$1,376,293**	**$2,821,609**	**$19,898**	**$4,217,800**
SC5 Firm Gas Transportation	158	81,862,546	$6,259,208	$0	$301,133	$753,056	($109,410)	$0	$7,203,987	$0	$34,147	$7,238,134
SC6 Interruptible	15	48,166,279	$2,562,020	$0	$0	$0	$0	$0	$2,562,020	$0	$12,144	$2,574,164
SC7 Small Volume Firm Transporation	715	66,483,357	$9,354,212	$0	$244,561	$611,582	($74,926)	$0	$10,135,429	$0	$48,042	$10,183,471
SC8 Transportation Service with Standby Sales Service	60	241,646,471	$16,539,867	$0	$888,902	$2,222,913	($340,592)	$0	$19,311,090	$0	$91,535	$19,402,625
SC9 Negotiated Transportation Service	5	82,783,054	$4,007,632	$0	$0	$0	$0	$0	$4,007,632	$0	$63,780	$4,071,412
NYSEG Transportation	1	3,007,767	$290,318	$0	$0	$0	$0	$0	$290,318	$0	$1,376	$291,694
SC10 Natural Gas Vehicles	2	169,778	$103,395	$0	$0	$0	$0	$0	$103,395	$51,344	$733	$155,472
SC11 Load Aggregation Service	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (<250K)	1	16,576	$2,713	$133	$0	$0	$0	$0	$2,847	$4,280	$34	$7,161
SC12 Distributed Generation (250K to 1000K)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (1M to 2.5M)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC12 Distributed Generation (>2.5M)	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SC13 Residential Distributed Generation	3	3,605	$1,129	$31	$0	$0	$0	$0	$1,160	$1,109	$35	$2,304
SC12 MB Distributed Generation (<250K)	1	57,281	$4,939	$0	$0	$0	$0	$0	$4,939	$0	$23	$4,963
SC12 MB Distributed Generation (250K to 1000K)	7	639,684	$71,519	$0	$0	$0	$0	$0	$71,519	$0	$339	$71,858
SC12 MB Distributed Generation (1M to 2.5M)	3	4,957,806	$282,163	$0	$0	$0	$0	$0	$282,163	$0	$1,337	$283,500
SC12 MB Distributed Generation (>2.5M)	2	9,007,366	$525,911	$0	$0	$0	$0	$0	$525,911	$0	$2,493	$528,404
SC13 MB Residential Distributed Generation	-	-	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total SC5 - SC13	**973**	**538,801,570**	**$40,005,028**	**$165**	**$1,434,596**	**$3,587,551**	**($524,928)**	**$0**	**$44,502,411**	**$56,733**	**$256,018**	**$44,815,163**
SC14 Dual Fuel Electric Generators	5	488,521,139	$12,980,863	$0	$0	$0	$0	$0	$12,980,863	$0	$61,529	$13,042,393
Consolidated Billing Credits								($919,365)	($919,365)	$0	$0	($919,365)
Revenue Subtotal	**631,188**	**1,793,284,047**	**$353,410,085**	**$11,465,564**	**$4,252,203**	**$10,633,651**	**($761,800)**	**($919,365)**	**$378,080,337**	**$176,920,292**	**$8,028,370**	**$563,028,999**
Late Payment Charges								$2,622,150	$2,622,150		$39,080	$2,661,231
One Bill Billing Fees								$919,365	$919,365			$919,365
Supervision & Admin Allocated to Gas								$1,938,891	$1,938,891			$1,938,891
Misc. 3rd Party Billings								$880,991	$880,991			$880,991
Revenues from Affiliates								$6,615	$6,615			$6,615
Other Misc. Fees (Reconnection Charge)								$67,758	$67,758			$67,758
POR MFC (Credit & Collections Revenues)				$530,205					$530,205		$10,453	$540,658
Revenue Total	**631,188**	**1,793,284,047**	**$353,410,085**	**$11,995,769**	**$4,252,203**	**$10,633,651**	**($761,800)**	**$5,516,405**	**$385,046,313**	**$176,920,292**	**$8,077,903**	**$570,044,507**

Case 17-G-0239
Appendix 3
Schedule 1.1
Page 3 of 3

Sch. 1.2

Niagara Mohawk Power Corporation (Gas)
Rate Plan
Years Ending March 31, 2019-2021
Reconciliation of Proposed Increases ($000s)

Line	Description	Source	Rate Year 1 March 31, 2019	Rate Year 2 March 31, 2020	Rate Year 3 March 31, 2021
1	Base Rev Req	Appendix 1, Schedule 2	615,025	619,766	635,925
2	Less: GRT	Appendix 1, Schedule 2	(8,847)	(8,903)	(9,161)
3	Total Rev Req (excl GRT)		606,178	610,863	626,764
4	Less: Commodity	Appendix 1, Schedule 2	(178,174)	(174,574)	(176,920)
5	Gross Margin	Appendix 1, Schedule 2	428,005	436,289	449,844
6					
7	MFC Revenue- Proposed rates before tax impact	Appendix 3, Schedule 2, page 1	10,975	10,731	10,960
8	MFC Revenue- Adjustments for tax law change	Adjustment for tax law change [1]	(522)	(503)	(526)
9	SBC	Appendix 3, Schedule 1.1	4,182	4,317	4,417
10	Supervision to Gas	Appendix 3, Schedule 1.1	1,845	1,893	1,939
11	Late payment charges	Appendix 3, Schedule 1.1	2,601	2,600	2,622
12	Late payment charges- Adj for incremental revenue requirement	Adjustment for incremental rev req [2]	119	227	331
13	Late payment charges- Adj for tax law change	Adjustment for tax law change [1]	(67)	(67)	(69)
14	Miscellaneous revenue	Appendix 3, Schedule 1.1	923	935	955
15	EDF / EZR	Appendix 3, Schedule 1.1	(1,150)	(935)	(762)
16	Other Revenue (Not cost-based)	Appendix 3, Schedule 1.1	19,456	19,432	19,551
17	Other revenue at Proposed		38,362	38,629	39,418
18					
19	**Total to recover**	Line 5 less Line17	**389,642**	**397,660**	**410,426**
20					
21	Delivery Revenue at Present Rates	Appendix 3, Schedule 2	328,964	392,770	400,270
22					
23	Revenue Increase needed	Line 19 less Line21	60,678	4,891	10,156
24	Revenue Increase	Appendix 3, Schedule 2	60,678	4,891	10,156
25	Difference (rounding)	Line 23 less Line 24	0	(0)	(0)
26					
27	Delivery Revenue- Present	Appendix 3, Schedule 2	328,964	392,770	400,270
28	Delivery Revenue- Proposed	Appendix 3, Schedule 2	389,642	397,660	410,426
29	**Net Change in Delivery Revenue**	Line 28 less Line27	**60,678**	**4,891**	**10,156**
30	Difference (rounding)	Line 24 less Line 29	(0)	0	0

[1] In accordance with Section 10.1.10 of the Joint Proposal regarding federal tax law changes, the Company calculated reductions in MFC and LPC based on the forecast of tax credits in each rate year

[2] Adjustment represents incremental Late Payment Charge revenue associated with the revenue requirement increases in each rate year

Case 17-G-0239
Appendix 3
Schedule 1.2
Page 1 of 1

Sch. 2

Niagara Mohawk Power Corporation (Gas)
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

			Rate Year 1		Rate Year 1							
Line	Description	SC	Customers	Deliveries Dth	Delivery Revenue at PRESENT Rates	MFC Present	Delivery Margin at PRESENT Rates	Delivery Revenue at PROPOSED Rates	MFC Proposed	Change Tariff Fees, LPC	Delivery Margin at PROPOSED Rates	Rate Year Proposed over Present
1	SC-1 Residential	SC1	573,513	53,030,994	238,792	10,816	249,608	279,078	9,915	122	289,115	15.8%
2	SC-2 Small General	SC2	47,166	21,623,879	56,287	1,062	57,349	62,916	973	6	63,896	11.4%
3	SC-3 Large General	SC3	42	997,009	1,185	94	1,278	1,244	86	0	1,330	4.0%
4	SC-5 Firm Transport	SC5	158	8,015,083	6,149	-	6,149	6,757	-	0	6,757	9.9%
5	SC-7 Small IT	SC7	704	6,425,110	9,079	-	9,079	10,104	-	0	10,104	11.3%
6	SC-8 Standby Sales	SC8	60	23,598,624	16,218	-	16,218	17,595	-	1	17,596	8.5%
7	SC-10 NGV	SC10	2	16,161	98	-	98	98	-	0	98	0.0%
8	SC-12 -S DG NonRes	SC12	14	1,428,139	868	0	868	868	0	0	868	0.0%
9	SC-13 DG Res	SC13	3	362	1	0	1	1	0	0	1	0.0%
10	NYSEG	NYSEG	1	287,923	286	-	286	349	-	0	349	22.0%
11			621,662	115,423,284	328,964	11,971	340,935	379,011	10,975	130	390,115	**14.4%**
12	Not Cost-based	NCB	25	61,355,903	19,456		19,456	19,456			19,456	
13	Total		621,687	176,779,187	348,420	11,971	360,392	398,467	10,975	130	409,571	**13.6%**
14									10,975			
15	Levelized Increase from Exhibit											
16	Surcredit offset											
17	MFC Decrease over Present Rates											
18	Tariff Fees over Present Rates											
19	Levelized Increases, prior years											
20	Target Increase- Delivery Only											
21												
22												
23												

Case 17-G-0239
Appendix 3
Schedule 2
Page 1 of 2

Sch. 2

Niagara Mohawk Power Corporation (Gas)
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

			Rate Year 1 Proposed									
Line	Description	SC	Delivery Margin- Rate Year 1 Proposed over Present	Portion of Increase	Year 1 Increase	ETIP at Present	Delivery Margin at PRESENT Rates	Delivery Margin Year 1	Surcredit*	Net Delivery Margin	Delivery Revenue at Year 1 (Margin-MFC)	Tax Credit
1	SC-1 Residential	SC1	39,507	80.3%	40,343	4,878	249,608	294,829	(23,906)	270,923	260,107	(10,295)
2	SC-2 Small General	SC2	6,548	13.3%	6,686	1,989	57,349	66,024	(5,392)	60,632	59,570	(2,918)
3	SC-3 Large General	SC3	51	0.1%	52	92	1,278	1,422	(117)	1,305	1,212	(52)
4	SC-5 Firm Transport	SC5	608	1.2%	621	737	6,149	7,507	(550)	6,957	6,957	(139)
5	SC-7 Small IT	SC7	1,025	2.1%	1,046	591	9,079	10,717	(829)	9,888	9,888	(428)
6	SC-8 Standby Sales	SC8	1,378	2.8%	1,407	2,171	16,218	19,796	(1,487)	18,309	18,309	(477)
7	SC-10 NGV	SC10	0	0.0%	-	-	98	98	-	98	98	-
8	SC-12 -S DG NonRes	SC12	0	0.0%	0	-	868	868	-	868	868	(39)
9	SC-13 DG Res	SC13	(0)	(0.0%)	-	-	1	1	-	1	1	-
10	NYSEG	NYSEG	63	0.1%	64	-	286	350	(33)	317	317	(6)
11			49,180	100.0%	50,220	10,458	340,935	401,614	(32,315)	369,299	357,328	(14,353)
12	Not Cost-based	NCB	-				19,456	19,456		19,456	19,456	
13	Total		49,180		50,220	10,458	360,392	421,070	(32,315)	388,756	376,784	(14,353)
14						*10,458*			*(32,315)*			*(14,353)*
15	Levelized Increase from Exhibit							48,764			348,420	
16	Surcredit offset								56,123		28,364	
17	MFC Decrease over Present Rates										-	
18	Tariff Fees over Present Rates										28,364	
19	Levelized Increases, prior years							1,456				
20	Target Increase- Delivery Only							50,220				
21												
22			* The deferral credits will be applied as a surcredit that expires on Mar 31, 2021,									
23			except for SC 1, SC 2, SC 3, SC 5, SC 7 & SC 8, which will expire on March 31, 2022.									

Case 17-G-0239
Appendix 3
Schedule 2
Page 2 of 2

Sch. 3

Niagara Mohawk Power Corporation (Gas)
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

			Rate Year 2 Proposed					Rate Year 3 Proposed					Rate Year 4 Proposed				
Line	Description	SC	Delivery Revenue Year 2 at Year 1 Rates- From Sch. 4.2B	Increase for Year 2	Delivery Revenue Year 2	Tax Credit	Surcredit*	Delivery Revenue Year 3 at Year 2 Rates- From Sch. 4.3B	Increase for Year 3	Delivery Revenue Year 3	Tax Credit	Surcredit*	Delivery Revenue Year 4 at Year 3 Rates- From Sch. 4.4B	Increase for Year 4	Delivery Revenue Year4	Tax Credit	Surcredit*
1	SC-1 Residential	SC1	285,978	3,570	289,548	(10,239)	(12,500)	291,510	7,415	298,925	(10,679)	(3,800)	298,925	-	298,925	(10,679)	(1,000)
2	SC-2 Small General	SC2	65,676	820	66,496	(2,902)	(2,800)	66,730	1,697	68,427	(3,027)	(950)	68,427	-	68,427	(3,027)	(325)
3	SC-3 Large General	SC3	1,325	17	1,341	(52)	(60)	1,323	34	1,357	(54)	(24)	1,357	-	1,357	(54)	(10)
4	SC-5 Firm Transport	SC5	7,579	95	7,673	(138)	(290)	7,741	197	7,938	(144)	(125)	7,938	-	7,938	(144)	(50)
5	SC-7 Small IT	SC7	10,892	136	11,028	(425)	(460)	11,190	285	11,475	(444)	(155)	11,475	-	11,475	(444)	(55)
6	SC-8 Standby Sales	SC8	20,010	250	20,260	(474)	(800)	20,453	520	20,973	(495)	(290)	20,973	-	20,973	(495)	(100)
7	SC-10 NGV	SC10	101	-	101	-	-	103	-	103	-	-	103	-	103	-	-
8	SC-12 -S DG NonRes	SC12	884	-	884	(38)	-	887	-	887	(40)	-	887	-	887	(40)	-
9	SC-13 DG Res	SC13	1	-	1	-	-	1	-	1	-	-	1	-	1	-	-
10	NYSEG	NYSEG	324	4	328	(6)	(14)	331	8	339	(7)	-	339	-	339	(7)	-
11			392,770	4,891	397,660	(14,275)	(16,924)	400,270	10,156	410,426	(14,889)	(5,344)	410,425	-	410,425	(14,889)	(1,540)
12	Not Cost-based	NCB	19,456	(24)	19,432	-	-	19,432	119	19,551	-	-	19,551	-	19,551	-	-
13	Total		412,226	4,866	417,092	(14,275)	(16,924)	419,702	10,274	429,976	(14,889)	(5,344)	429,976	-	429,976	(14,889)	(1,540)
14																	
15	* The deferral credits will be applied as a surcredit that expires on Mar 31, 2021, except for SC 1, SC 2, SC 3, SC 5, SC 7 & SC 8, which will expire on March 31, 2022.																
16																	

Case 17-G-0239
Appendix 3
Schedule 3
Page 1 of 1

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 1

tblRates_LvlYr1

			Current Rates						Current Rates Revenue				
Line	**Rate**	**SC**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Block 2 dth**	**Total**	**Customer Charge**	**Demand Charge**	**Volumetric**	**Total with MFC**
1	SC1	SC1	$ 20.35	$ 0.38520	$ 0.06385				238,792,314	140,051,805		98,740,510	249,607,833
2	SC2	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547			56,286,729	13,736,769		42,549,961	57,348,622
3	SC3	SC3	$ 781.27	$ 0.09679				821,418	1,184,606	389,556		795,051	1,278,493
4	SC5	SC5	$ 522.38	$ 0.06450					6,148,805	990,439		5,158,365	6,148,805
5	SC6	SC6							2,503,905	2,503,905		-	2,503,905
6	SC7	SC7	$ 361.27	$ 0.11896					9,079,229	3,050,256		6,028,973	9,079,229
7	SC8	SC8	$ 924.04	$ 0.06569	$ 0.06182	$ 0.05333		23,591,644	16,218,423	665,311	1,517,048	14,036,064	16,218,423
8	SC10	SC10		$ 0.60900					98,420			98,420	98,420
9													
10	SC12-S1	SC12-S	$ 148.27	$ 0.05074					73,969	42,748		31,221	73,969
11	SC12-S1W		$ 148.27	$ 0.06429									
12	SC12-S2		$ 466.54	$ 0.04522									
13	SC12-S2W		$ 466.54	$ 0.05728									
14													
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615				794,128	84,076	406,195	303,857	794,252
16	SC12-L1W		$ 1,401.27	$ 0.05340	$ 0.04578								
17	SC12-L2		$ 1,401.27	$ 0.00845			$ 0.86534						
18	SC12-L2W		$ 1,401.27	$ 0.01071			$ 0.86534			-			
19										-			
20	SC13	SC13	$ 27.56	$ 0.03914					1,129	992		137	1,163
21	SC14	SC14							13,088,293	13,088,293		-	13,088,293
22	NYSEG	NYSEG	$ 810.07	$ 0.03228			$ 0.50974		286,169	9,721		276,448	286,169
23	SC9	SC9							3,864,072	3,864,072		-	3,864,072
24	Round	Round							-			-	
25									348,420,191	178,477,941	1,923,243	168,019,007	360,391,648

Case 17-G-0239
Appendix 3
Schedule 4.1A
Page 1 of 4

Sch. 4.1A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 1

tblRates_LvlYr1

			Proposed Increase in Delivery Revenue		Rate Year 1 Proposed Rates					Rate Year 1 Revenue at Proposed Rates			
Line	Rate	SC	$ Amount	% of Volumetric	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Total	Delivery Increase	Difference to Target	Total with MFC
1	SC1	SC1	21,315,145	21.59%	$ 20.35	$ 0.46835	$ 0.07763			260,105,778	21,313,463	1,681	270,020,786
2	SC2	SC2	3,283,200	7.72%	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		59,569,824	3,283,094	106	60,543,302
3	SC3	SC3	26,925	3.39%	$ 781.27	$ 0.10007				1,211,549	26,943	(18)	1,297,619
4	SC5	SC5	808,612	15.68%	$ 554.83	$ 0.07384				6,957,286	808,482	130	6,957,286
5	SC6	SC6								2,503,905	-	-	2,503,905
6	SC7	SC7	808,479	13.41%	$ 361.27	$ 0.13491				9,887,586	808,357	122	9,887,586
7	SC8	SC8	2,090,459	14.30%	$ 1,039.54	$ 0.07508	$ 0.07066	$ 0.06096		18,308,849	2,090,427	32	18,308,849
8	SC10	SC10	-	0.00%		$ 0.60900				98,420	-	-	98,420
9													
10	SC12-S1	SC12-S	-	0.00%	$ 148.27	$ 0.05074				73,969	-	-	73,969
11	SC12-S1W				$ 148.27	$ 0.06429							
12	SC12-S2				$ 466.54	$ 0.04522							
13	SC12-S2W				$ 466.54	$ 0.05728							
14													
15	SC12-L1	SC12-L	-	0.00%	$ 1,401.27	$ 0.04216	$ 0.03615			794,128	-	-	794,242
16	SC12-L1W				$ 1,401.27	$ 0.05340	$ 0.04578						
17	SC12-L2				$ 1,401.27	$ 0.00845			$0.86534	-	-	-	
18	SC12-L2W				$ 1,401.27	$ 0.01071			$0.86534				
19													
20	SC13	SC13	-	0.00%	$ 27.56	$ 0.03914				1,129	-	-	1,160
21	SC14	SC14								13,088,293	-	-	13,088,293
22	NYSEG	NYSEG	30,918	10.79%	$ 897.50	$ 0.03576			$0.56476	317,045	30,876	42	317,045
23	SC9	SC9								3,864,072	-	-	3,864,072
24	Round	Round								12			
25			28,363,737	20.67%						376,781,845	28,361,642	2,095	387,756,534

Case 17-G-0239
Appendix 3
Schedule 4.1A
Page 2 of 4

Sch. 4.1A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 1

tblRates_LvlYr1

			Gross Volumetric Rates				Surcredit				
Line	**Rate**	**SC**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Surcredit Ratio**
1	SC1	SC1	$ 0.56161	$ 0.09309			$ (0.09326)	$ (0.01546)			19.9%
2	SC2	SC2	$ 0.35808	$ 0.20830	$ 0.06678		$ (0.03769)	$ (0.02193)	$ (0.00703)		11.8%
3	SC3	SC3	$ 0.11432				$ (0.01425)				14.2%
4	SC5	SC5	$ 0.08072				$ (0.00688)				9.3%
5	SC6	SC6									
6	SC7	SC7	$ 0.15126				$ (0.01635)				12.1%
7	SC8	SC8	$ 0.08204	$ 0.07721	$ 0.06661		$ (0.00696)	$ (0.00655)	$ (0.00565)		9.3%
8	SC10	SC10	$ 0.60900				$ -				
9											
10	SC12-S1	SC12-S	$ 0.05074				$ -				
11	SC12-S1W		$ 0.06429				$ -				
12	SC12-S2		$ 0.04522				$ -				
13	SC12-S2W		$ 0.05728				$ -				
14											
15	SC12-L1	SC12-L	$ 0.04216	$ 0.03615			$ -	$ -			
16	SC12-L1W		$ 0.05340	$ 0.04578			$ -	$ -			
17	SC12-L2		$ 0.00845			$ 0.86534	$ -			$ -	
18	SC12-L2W		$ 0.01071			$ 0.86534	$ -			$ -	
19											
20	SC13	SC13	$ 0.03914				$ -				
21	SC14	SC14									
22	NYSEG	NYSEG	$ 0.03632			$ 0.57355	$ (0.00056)			$ (0.00879)	1.6%
23	SC9	SC9									
24	Round	Round									
25											

Case 17-G-0239
Appendix 3
Schedule 4.1A
Page 3 of 4

Sch. 4.1A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 1

tblRates_LvlYr1

			Tax Credit						
Line	**Rate**	**SC**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Tax Credit Ratio**	**Actual Tax Credit**	**Target**
1	SC1	SC1	$ (0.04016)	$ (0.00666)			43.1%	(10,295,406)	(10,294,743)
2	SC2	SC2	$ (0.02040)	$ (0.01187)	$ (0.00380)		54.1%	(2,918,605)	(2,918,103)
3	SC3	SC3	$ (0.00631)				44.3%	(51,831)	(51,843)
4	SC5	SC5	$ (0.00173)				25.2%	(138,356)	(138,651)
5	SC6	SC6							
6	SC7	SC7	$ (0.00844)				51.6%	(427,745)	(427,608)
7	SC8	SC8	$ (0.00223)	$ (0.00210)	$ (0.00181)		32.1%	(476,569)	(477,040)
8	SC10	SC10	$ -						
9									
10	SC12-S1	SC12-S	$ (0.00584)				(11.5%)	(240)	(38,581)
11	SC12-S1W		$ (0.00741)					(164)	
12	SC12-S2		$ (0.00521)					(1,591)	
13	SC12-S2W		$ (0.00660)					(1,602)	
14									
15	SC12-L1	SC12-L	$ (0.00486)	$ (0.00416)				(13,417)	
16	SC12-L1W		$ (0.00615)	$ (0.00527)				(11,698)	
17	SC12-L2		$ (0.00097)			$ (0.09967)		(4,538)	
18	SC12-L2W		$ (0.00123)			$ (0.09967)		(5,325)	
19									
20	SC13	SC13					-		
21	SC14	SC14							
22	NYSEG	NYSEG	$ (0.00011)			$ (0.00170)	19.3%	(6,437)	(6,430)
23	SC9	SC9							
24	Round	Round							
25								(14,353,524)	(14,353,000)

Case 17-G-0239
Appendix 3
Schedule 4.1A
Page 4 of 4

Case 17-G-0239
Appendix 3
Schedule 4.1B
Page 1 of 3

Sch. 4.1B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 1 Current and Proposed Rates

				Rate Year Deliveries Dth					
Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
1	Residential Non-Heat	SC1	25,843	61,671	272,941	109,430	-	444,042	
2	Residential Non-Heat MB	SC1	2,954	7,788	34,454	10,722	-	52,964	
3	Residential Heat	SC1	456,607	1,541,081	16,877,299	25,038,230	-	43,456,609	
4	Residential Heat MB	SC1	88,108	304,345	3,385,672	5,387,361	-	9,077,378	
5	Residential Non-Heat	SC2	111	261	1,143	-	0	1,404	
6	Residential Non-Heat MB	SC2	13	32	217	-	0	250	
7	Residential Heat	SC2	1,494	4,381	128,466	62,021	5,952	200,820	
8	Residential Heat MB	SC2	307	963	46,667	52,637	2,247	102,514	
9	Commercial Non-Heat	SC2	1,271	3,673	113,836	148,754	67,960	334,222	
10	Commercial Non-Heat MB	SC2	723	2,253	105,921	179,768	12,530	300,472	
11	Commercial Heat	SC2	27,550	78,338	3,606,907	5,306,758	1,356,133	10,348,135	
12	Commercial Heat MB	SC2	15,550	47,955	2,645,103	6,374,563	991,039	10,058,659	
13	Industrial	SC2	77	225	16,361	101,044	28,893	146,523	
14	Industrial MB	SC2	72	228	15,466	82,503	32,682	130,879	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	34	140,555	647,084	-	-	787,639	
17	Industrial	SC3	8	35,036	174,334	-	-	209,370	
18	Firm Transport	SC5	158	17,617	7,997,466	-	-	8,015,083	
19	Lg Vol IT	SC6	15	1,800	4,700,961	-	-	4,702,761	
20	Small FT	SC7	704	1,357,043	5,068,067	-	-	6,425,110	
21	Firm & Standby	SC8	60	6,980	5,781,809	8,716,238	9,093,598	23,598,624	
22	NGV	SC10	2		16,161	-	-	16,161	
23	DG <250	SC12-S	1		817			817	
24	DG <250	SC12-S			600			600	
25	DG <250 MB	SC12-S	1		3,291			3,291	
26	DG <250 MB	SC12-S			1,616			1,616	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		30,535			30,535	
30	DG 250-1000 MB	SC12-S			24,275			24,275	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		276,063	-		276,063	
34	DG 1M-2.5M MB	SC12-L			190,213	-		190,213	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	351	-	-	362	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,408,883	-	-	48,408,883	
42	NYSEG	NYSEG	1	-	287,923	-	-	287,923	360,000
43	Special Contract	SC9	5	-	8,244,260	-	-	8,244,260	
44	Rounding	Round			64			64	
45			621,687	3,612,235	110,005,954	51,570,029	11,591,034	176,779,251	829,405

Sch. 4.1B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 1 Current and Proposed Rates

			Current Rates					Current Rates Revenue			
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Blocks 2-4	Demand Revenue	Total
1	Residential Non-Heat	SC1	$ 20.35	$ 0.38520	$ 0.06385	$ -		6,310,959	1,121,242		7,432,201
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.38520	$ 0.06385	$ -		721,252	139,563		860,815
3	Residential Heat	SC1	$ 20.35	$ 0.38520	$ 0.06385	$ -		111,503,507	80,998,266		192,501,773
4	Residential Heat MB	SC1	$ 20.35	$ 0.38520	$ 0.06385	$ -		21,516,086	16,481,439		37,997,525
5	Residential Non-Heat	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		32,386	3,400		35,787
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		3,641	647		4,288
7	Residential Heat	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		434,980	492,721		927,700
8	Residential Heat MB	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		89,325	231,125		320,450
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		370,102	633,664		1,003,766
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		210,549	633,037		843,587
11	Commercial Heat	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		8,023,677	20,662,382		28,686,059
12	Commercial Heat MB	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		4,528,823	19,446,590		23,975,414
13	Industrial	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		22,412	239,517		261,930
14	Industrial MB	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		20,873	206,877		227,750
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.09679	$ -	$ -		-	-		-
16	Commercial Heat	SC3	$ 781.27	$ 0.09679	$ -	$ -		317,367	626,313		943,680
17	Industrial	SC3	$ 781.27	$ 0.09679	$ -	$ -		72,188	168,738		240,926
18	Firm Transport	SC5	$ 522.38	$ 0.06450	$ -	$ -		990,439	5,158,365		6,148,805
19	Lg Vol IT	SC6	$ -	$ -	$ -	$ -		2,503,905			2,503,905
20	Small FT	SC7	$ 361.27	$ 0.11896	$ -	$ -		3,050,256	6,028,973		9,079,229
21	Firm & Standby	SC8	$ 924.04	$ 0.06569	$ 0.06182	$ 0.05333		665,311	14,036,064	1,517,048	16,218,423
22	NGV	SC10	$ -	$ 0.60900	$ -	$ -		-	98,420		98,420
23	DG <250	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	415		2,194
24	DG <250	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	386		386
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	1,670		3,449
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	1,039		1,039
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		-	-		-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	-		-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		39,189	13,808		52,997
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	13,904		13,904
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		-	-		-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	-		-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		50,446	116,388		166,834
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	101,574		101,574
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -		-	-		-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -		-	-		-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -		33,630	39,532		73,162
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -		-	46,363	406,195	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914	$ -	$ -		992	137		1,129
40	DG Sales MB	SC13	$ 27.56	$ 0.03914	$ -	$ -		-	-		-
41	Electric Generation	SC14	$ -	$ -	$ -	$ -		13,088,293			13,088,293
42	NYSEG	NYSEG	$ 810.07	$ 0.03228	$ -	$ -	$ 0.50974	9,721	92,942	183,506	286,169
43	Special Contract	SC9						3,864,072			3,864,072
44	Rounding	Round									
45								178,477,941	167,835,500	2,106,749	348,420,191

Case 17-G-0239
Appendix 3
Schedule 4.1B
Page 2 of 3

Sch. 4.1B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 1 Current and Proposed Rates

			Rate Year 1 Proposed Rates					Proposed Rates Revenue					
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand Revenue	Total
1	Residential Non-Heat	SC1	$ 20.35	$ 0.46835	$ 0.07763	$ -		6,310,959	1,278,321	84,951	-		7,674,231
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.46835	$ 0.07763	$ -		721,252	161,365	8,324	-		890,941
3	Residential Heat	SC1	$ 20.35	$ 0.46835	$ 0.07763	$ -		111,503,507	79,044,830	19,437,178	-		209,985,515
4	Residential Heat MB	SC1	$ 20.35	$ 0.46835	$ 0.07763	$ -		21,516,086	15,856,795	4,182,209	-		41,555,090
5	Residential Non-Heat	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		32,386	3,663	-	0		36,049
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		3,641	697	-	0		4,337
7	Residential Heat	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		434,980	411,593	115,589	3,556		965,718
8	Residential Heat MB	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		89,325	149,515	98,100	1,342		338,283
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		370,102	364,718	277,232	40,606		1,052,659
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		210,549	339,361	335,034	7,487		892,431
11	Commercial Heat	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		8,023,677	11,556,168	9,890,204	810,290		30,280,338
12	Commercial Heat MB	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		4,528,823	8,474,644	11,880,273	592,146		25,475,885
13	Industrial	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		22,412	52,419	188,316	17,264		280,410
14	Industrial MB	SC2	$ 24.27	$ 0.32039	$ 0.18637	$ 0.05975		20,873	49,552	153,760	19,528		243,713
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.10007	$ -	$ -		-	-	-	-		-
16	Commercial Heat	SC3	$ 781.27	$ 0.10007	$ -	$ -		317,367	647,537	-	-		964,904
17	Industrial	SC3	$ 781.27	$ 0.10007	$ -	$ -		72,188	174,456	-	-		246,645
18	Firm Transport	SC5	$ 554.83	$ 0.07384	$ -	$ -		1,051,958	5,905,329	-	-		6,957,286
19	Lg Vol IT	SC6						-	-	-	-	2,503,905	2,503,905
20	Small FT	SC7	$ 361.27	$ 0.13491	$ -	$ -		3,050,256	6,837,330	-	-		9,887,586
21	Firm & Standby	SC8	$ 1,039.54	$ 0.07508	$ 0.07066	$ 0.06096		748,469	4,340,982	6,158,894	5,543,457	1,517,048	18,308,849
22	NGV	SC10	$ -	$ 0.60900	$ -	$ -		-	98,420	-	-		98,420
23	DG <250	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	415	-	-		2,194
24	DG <250	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	386	-	-		386
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	1,670	-	-		3,449
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	1,039	-	-		1,039
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		-	-	-	-		-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	-	-	-		-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		39,189	13,808	-	-		52,997
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	13,904	-	-		13,904
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		-	-	-	-		-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	-	-	-		-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		50,446	116,388	-	-		166,834
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	101,574	-	-		101,574
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -		-	-	-	-		-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -		-	-	-	-		-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -	0.86534	33,630	39,532	-	-		73,162
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -	0.86534	-	46,363	-	-	406,195	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914	$ -	$ -		992	137	-	-		1,129
40	DG Sales MB	SC13	$ 27.56	$ 0.03914	$ -	$ -		-	-	-	-		-
41	Electric Generation	SC14						-	-	-	-	13,088,293	13,088,293
42	NYSEG	NYSEG	$ 897.50	$ 0.03576	$ -	$ -	$ 0.56476	10,770	102,961	-	-	203,314	317,045
43	Special Contract	SC9						-	-	-	-	3,864,072	3,864,072
44	Rounding	Round											
45								159,167,397	136,185,871	52,810,062	7,035,675	21,582,827	376,781,833

Case 17-G-0239
Appendix 3
Schedule 4.1B
Page 3 of 3

Sch. 4.2A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

tblRates_LvlYr2

			Rate Year 1 Rates Before Surcredit						Rate Year 2 Rates Revenue			
Line	**Rate**	**SC**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Block 2 dth**	**Target**	**Customer Charge**	**Demand Charge**	**Volumetric**
1	SC1	SC1	$ 20.35	$ 0.56161	$ 0.09309				289,547,602	141,211,772	-	148,335,829
2	SC2	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678			66,495,798	13,815,075	-	52,680,723
3	SC3	SC3	$ 781.27	$ 0.11432				828,292	1,341,394	377,952	-	963,442
4	SC5	SC5	$ 554.83	$ 0.08072					7,673,444	1,113,502	-	6,559,942
5	SC6	SC6							2,530,339	-	2,530,339	-
6	SC7	SC7	$ 361.27	$ 0.15126					11,028,473	3,064,722	-	7,963,751
7	SC8	SC8	$ 1,039.54	$ 0.08204	$ 0.07721	$ 0.06661		23,890,170	20,259,944	831,622	1,517,048	17,911,275
8	SC10	SC10		$ 0.60900					100,907	-	-	100,907
9												
10	SC12-S1	SC12-S	$ 148.27	$ 0.05074					78,247	42,748	-	35,499
11	SC12-S1W		$ 148.27	$ 0.06429								
12	SC12-S2		$ 466.54	$ 0.04522								
13	SC12-S2W		$ 466.54	$ 0.05728								
14												
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615				805,265	84,076	406,195	314,994
16	SC12-L1W		$ 1,401.27	$ 0.05340	$ 0.04578							
17	SC12-L2		$ 1,401.27	$ 0.00845			$ 0.86534					
18	SC12-L2W		$ 1,401.27	$ 0.01071			$ 0.86534					
19												
20	SC13	SC13	$ 27.56	$ 0.03914					1,129	992	-	137
21	SC14	SC14							12,970,150	-	12,970,150	-
22	NYSEG	NYSEG	$ 897.50	$ 0.03632			$ 0.57355		328,114	10,907	209,110	108,097
23	SC9	SC9							3,931,379	-	3,931,379	-
24	Round	Round										-
25									417,092,185	160,553,368	21,564,221	234,974,596

Case 17-G-0239
Appendix 3
Schedule 4.2A
Page 1 of 4

Sch. 4.2A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

tblRates_LvlYr2

Line	Rate	SC	Volumetric Year 2 at Year 1 Rates	Volumetric % Increase	Rate Year 2 Proposed Rates Before Surcredit: Block 1 (CC)	Block 2	Block 3	Block 4	Demand	
1	SC1	SC1	144,765,894	2.47%	$ 20.35	$ 0.57545	$ 0.09539			
2	SC2	SC2	51,860,873	1.58%	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		
3	SC3	SC3	946,903	1.75%	$ 781.27	$ 0.11632				
4	SC5	SC5	6,526,877	0.51%	$ 587.29	$ 0.08113				
5	SC6	SC6	2,530,339							
6	SC7	SC7	7,827,777	1.74%	$ 361.27	$ 0.15389				
7	SC8	SC8	19,261,683	0.94%	$ 1,155.03	$ 0.08281	$ 0.07793	$ 0.06724		
8	SC10	SC10	100,907	0.00%		$ 0.60900				
9										
10	SC12-S1	SC12-S	35,499		$ 148.27	$ 0.05074				0.000
11	SC12-S1W				$ 148.27	$ 0.06429				
12	SC12-S2				$ 466.54	$ 0.04522				
13	SC12-S2W				$ 466.54	$ 0.05728				
14										
15	SC12-L1	SC12-L	721,189		$ 1,401.27	$ 0.04216	$ 0.03615			
16	SC12-L1W				$ 1,401.27	$ 0.05340	$ 0.04578			0.000
17	SC12-L2				$ 1,401.27	$ 0.00845			$ 0.86534	
18	SC12-L2W				$ 1,401.27	$ 0.01071			$ 0.86534	
19										
20	SC13	SC13	137	0.00%	$ 27.56	$ 0.03914				
21	SC14	SC14	12,970,150							
22	NYSEG	NYSEG	313,299	1.27%	$ 908.94	$ 0.03678			$ 0.58086	
23	SC9	SC9	3,931,379							
24	Round	Round								
25			251,792,907	(6.68%)						

Case 17-G-0239
Appendix 3
Schedule 4.2A
Page 2 of 4

Sch. 4.2A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

tblRates_LvlYr2

			Billing Units	Rate Year 2 Revenue at Proposed Rates			Surcredit				
Line	**Rate**	**SC**	**Block 2**	**Total**	**CC, Blocks 3-4, Demand**	**Difference to Target**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Surcredit Ratio**
1	SC1	SC1	20,699,150	289,547,016	29,221,985	(586)	$ (0.04846)	$ (0.00806)			52.3%
2	SC2	SC2	6,742,506	66,495,490	28,155,222	(308)	$ (0.01939)	$ (0.01123)	$ (0.00356)		51.9%
3	SC3	SC3	828,292	1,341,421	-	27	$ (0.00724)				51.3%
4	SC5	SC5	8,085,824	7,673,531	-	87	$ (0.00359)				52.7%
5	SC6	SC6	4,752,755	2,530,339	2,530,339	-					
6	SC7	SC7	5,175,047	11,028,602	-	130	$ (0.00889)				55.5%
7	SC8	SC8	5,795,967	20,259,884	14,628,622	(60)	$ (0.00373)	$ (0.00347)	$ (0.00299)		53.8%
8	SC10	SC10	16,569	100,907	-	-					
9											
10	SC12-S1	SC12-S	69,298	78,247	42,748	-					
11	SC12-S1W		-								
12	SC12-S2		-								
13	SC12-S2W		-								
14			-								
15	SC12-L1	SC12-L	1,390,289	805,265	490,271	-					
16	SC12-L1W		-								
17	SC12-L2		-	-							
18	SC12-L2W		-								
19			-								
20	SC13	SC13	350	1,129	992	-					
21	SC14	SC14	48,663,267	12,970,150	12,970,150	-					
22	NYSEG	NYSEG	294,111	328,191	220,017	77	$ (0.00023)			$ (0.00370)	42.1%
23	SC9	SC9	8,267,572	3,931,379	3,931,379	-					
24	Round	Round	64	12	-						
25			110,781,061	417,091,563	92,191,725	(634)					

Case 17-G-0239
Appendix 3
Schedule 4.2A
Page 3 of 4

Sch. 4.2A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

tblRates_LvlYr2

Line	Rate	SC	Tax Credit Block 2	Tax Credit Block 3	Tax Credit Block 4	Tax Credit Demand	Tax Credit Ratio	Actual Tax Credit	Target
1	SC1	SC1	$ (0.03971)	$ (0.00659)			98.9%	(10,238,428)	(10,238,797)
2	SC2	SC2	$ (0.02003)	$ (0.01166)	$ (0.00373)		98.2%	(2,901,846)	(2,902,245)
3	SC3	SC3	$ (0.00628)				99.5%	(52,017)	(51,562)
4	SC5	SC5	$ (0.00172)				99.5%	(139,076)	(137,898)
5	SC6	SC6							
6	SC7	SC7	$ (0.00822)				97.4%	(425,389)	(425,284)
7	SC8	SC8	$ (0.00219)	$ (0.00207)	$ (0.00178)		98.4%	(474,645)	(474,448)
8	SC10	SC10							
9									
10	SC12-S1	SC12-S	$ (0.00581)				99.5%	(268)	(38,372)
11	SC12-S1W		$ (0.00737)					(191)	
12	SC12-S2		$ (0.00518)					(1,750)	
13	SC12-S2W		$ (0.00656)					(1,858)	
14									
15	SC12-L1	SC12-L	$ (0.00483)	$ (0.00414)				(13,891)	
16	SC12-L1W		$ (0.00612)	$ (0.00524)				(12,360)	
17	SC12-L2		$ (0.00096)			$ (0.09913)		(4,491)	
18	SC12-L2W		$ (0.00122)			$ (0.09913)		(5,281)	
19									
20	SC13	SC13							
21	SC14	SC14							
22	NYSEG	NYSEG	$ (0.00011)			$ (0.00169)	99.5%	(6,408)	(6,395)
23	SC9	SC9							
24	Round	Round							
25								(14,277,898)	(14,275,000)

Case 17-G-0239
Appendix 3
Schedule 4.2A
Page 4 of 4

Sch. 4.2B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 2 Revenue at Year 1 Rates

				Rate Year 2 Deliveries Dth					
Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
1	Residential Non-Heat	SC1	26,243	62,559	275,650	110,162	-	448,371	
2	Residential Non-Heat MB	SC1	2,510	6,613	29,240	9,104	-	44,957	
3	Residential Heat	SC1	466,316	1,573,924	17,198,991	25,434,946	-	44,207,861	
4	Residential Heat MB	SC1	83,194	287,365	3,195,269	5,080,011	-	8,562,645	
5	Residential Non-Heat	SC2	118	277	1,187	-	0	1,464	
6	Residential Non-Heat MB	SC2	11	28	187	-	0	215	
7	Residential Heat	SC2	1,573	4,611	134,833	64,848	6,182	210,474	
8	Residential Heat MB	SC2	308	968	46,825	52,673	2,220	102,686	
9	Commercial Non-Heat	SC2	1,226	3,551	110,558	145,586	67,020	326,715	
10	Commercial Non-Heat MB	SC2	730	2,276	107,497	184,299	13,063	307,134	
11	Commercial Heat	SC2	27,769	79,064	3,653,725	5,413,411	1,390,898	10,537,098	
12	Commercial Heat MB	SC2	15,550	47,994	2,655,301	6,437,537	1,016,005	10,156,837	
13	Industrial	SC2	78	230	16,779	104,231	30,343	151,583	
14	Industrial MB	SC2	72	230	15,614	83,458	33,238	132,540	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	32	134,545	646,846	-	-	781,391	
17	Industrial	SC3	8	37,424	181,446	-	-	218,870	
18	Firm Transport	SC5	158	17,619	8,085,824	-	-	8,103,443	
19	Lg Vol IT	SC6	15	1,800	4,752,755	-	-	4,754,555	
20	Small FT	SC7	707	1,370,031	5,175,047	-	-	6,545,078	
21	Firm & Standby	SC8	60	6,980	5,795,967	8,840,338	9,253,865	23,897,150	
22	NGV	SC10	2		16,569	-	-	16,569	
23	DG <250	SC12-S	1		907			907	
24	DG <250	SC12-S			700			700	
25	DG <250 MB	SC12-S	1		3,700			3,700	
26	DG <250 MB	SC12-S			1,885			1,885	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		33,787			33,787	
30	DG 250-1000 MB	SC12-S			28,318			28,318	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		287,598	-		287,598	
34	DG 1M-2.5M MB	SC12-L			201,962	-		201,962	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	350	-	-	361	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,663,267	-	-	48,663,267	
42	NYSEG	NYSEG	1	-	294,111	-	-	294,111	360,000
43	Special Contract	SC9	5	-	8,267,572	-	-	8,267,572	
44	Rounding	Round	-	-	64	-	-	64	
45			626,708	3,638,099	110,781,061	51,960,604	11,812,833	178,192,597	829,405

Case 17-G-0239
Appendix 3
Schedule 4.2B
Page 1 of 2

Sch. 4.2B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 2 Revenue at Year 1 Rates

			Rate Year 1 Proposed Rates Before Surcredit					Rate Year 2 Revenue at Year 1 Rates						
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand Revenue	Total	Volumetric
1	Residential Non-Heat	SC1	$ 20.35	$ 0.56161	$ 0.09309			6,408,512	1,548,080	102,550	-		8,059,142	1,650,630
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.56161	$ 0.09309			612,892	164,212	8,475	-		785,579	172,687
3	Residential Heat	SC1	$ 20.35	$ 0.56161	$ 0.09309			113,874,382	96,591,252	23,677,392	-		234,143,025	120,268,643
4	Residential Heat MB	SC1	$ 20.35	$ 0.56161	$ 0.09309			20,315,987	17,944,952	4,728,982	-		42,989,920	22,673,934
5	Residential Non-Heat	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		34,438	4,249	-	0		38,687	4,249
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		3,199	670	-	0		3,869	670
7	Residential Heat	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		457,989	482,811	135,079	4,128		1,080,008	622,018
8	Residential Heat MB	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		89,739	167,672	109,718	1,482		368,611	278,872
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		357,008	395,886	303,256	44,756		1,100,907	743,898
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		212,569	384,925	383,894	8,723		990,112	777,543
11	Commercial Heat	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		8,087,358	13,083,258	11,276,135	928,842		33,375,593	25,288,235
12	Commercial Heat MB	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		4,528,895	9,508,100	13,409,389	678,488		28,124,873	23,595,978
13	Industrial	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		22,842	60,083	217,114	20,263		320,302	297,460
14	Industrial MB	SC2	$ 24.27	$ 0.35808	$ 0.20830	$ 0.06678		21,036	55,911	173,843	22,196		272,987	251,950
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.11432				-	-	-	-		-	-
16	Commercial Heat	SC3	$ 781.27	$ 0.11432				300,525	739,474	-	-		1,039,999	739,474
17	Industrial	SC3	$ 781.27	$ 0.11432				77,427	207,429	-	-		284,855	207,429
18	Firm Transport	SC5	$ 554.83	$ 0.08072				1,051,958	6,526,877	-	-		7,578,835	6,526,877
19	Lg Vol IT	SC6						-	-	-	-	2,530,339	2,530,339	2,530,339
20	Small FT	SC7	$ 361.27	$ 0.15126				3,064,722	7,827,777	-	-		10,892,499	7,827,777
21	Firm & Standby	SC8	$ 1,039.54	$ 0.08204	$ 0.07721	$ 0.06661		748,469	4,755,011	6,825,625	6,163,999	1,517,048	20,010,152	19,261,683
22	NGV	SC10	$ -	$ 0.60900				-	100,907	-	-		100,907	100,907
23	DG <250	SC12-S	$ 148.27	$ 0.05074				1,779	460	-	-		2,240	460
24	DG <250	SC12-S	$ 148.27	$ 0.06429				-	450	-	-		450	450
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074				1,779	1,877	-	-		3,657	1,877
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429				-	1,212	-	-		1,212	1,212
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522				-	-	-	-		-	-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728				-	-	-	-		-	-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522				39,189	15,279	-	-		54,468	15,279
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728				-	16,221	-	-		16,221	16,221
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			-	-	-	-		-	-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578			-	-	-	-		-	-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			50,446	121,251	-	-		171,697	121,251
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578			-	107,848	-	-		107,848	107,848
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845			$ 0.86534	-	-	-	-		-	-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071			$ 0.86534	-	-	-	-		-	-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845			$ 0.86534	33,630	39,532	-	-		73,162	39,532
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071			$ 0.86534	-	46,363	-	-	406,195	452,558	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914				992	137	-	-		1,129	137
40	DG Sales MB	SC13	$ 27.56	$ 0.03914				-	-	-	-		-	-
41	Electric Generation	SC14						-	-	-	-	12,970,150	12,970,150	12,970,150
42	NYSEG	NYSEG	$ 897.50	$ 0.03632			$ 0.57355	10,770	106,821	-	-	206,478	324,069	313,299
43	Special Contract	SC9						-	-	-	-	3,931,379	3,931,379	3,931,379
44	Rounding	Round												
45								160,408,534	161,006,989	61,351,451	7,872,878	21,561,589	412,201,441	251,792,907

Case 17-G-0239
Appendix 3
Schedule 4.2B
Page 2 of 2

Case 17-G-0239
Appendix 3
Schedule 4.2C
Page 1 of 2

Sch. 4.2C

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 2 Rates and Revenue

				Level Year 2 Deliveries Dth					
Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand
1	Residential Non-Heat	SC1	26,243	62,559	275,650	110,162	-	448,371	
2	Residential Non-Heat MB	SC1	2,510	6,613	29,240	9,104	-	44,957	
3	Residential Heat	SC1	466,316	1,573,924	17,198,991	25,434,946	-	44,207,861	
4	Residential Heat MB	SC1	83,194	287,365	3,195,269	5,080,011	-	8,562,645	
5	Residential Non-Heat	SC2	118	277	1,187	-	0	1,464	
6	Residential Non-Heat MB	SC2	11	28	187	-	0	215	
7	Residential Heat	SC2	1,573	4,611	134,833	64,848	6,182	210,474	
8	Residential Heat MB	SC2	308	968	46,825	52,673	2,220	102,686	
9	Commercial Non-Heat	SC2	1,226	3,551	110,558	145,586	67,020	326,715	
10	Commercial Non-Heat MB	SC2	730	2,276	107,497	184,299	13,063	307,134	
11	Commercial Heat	SC2	27,769	79,064	3,653,725	5,413,411	1,390,898	10,537,098	
12	Commercial Heat MB	SC2	15,550	47,994	2,655,301	6,437,537	1,016,005	10,156,837	
13	Industrial	SC2	78	230	16,779	104,231	30,343	151,583	
14	Industrial MB	SC2	72	230	15,614	83,458	33,238	132,540	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	32	134,545	646,846	-	-	781,391	
17	Industrial	SC3	8	37,424	181,446	-	-	218,870	
18	Firm Transport	SC5	158	17,619	8,085,824	-	-	8,103,443	
19	Lg Vol IT	SC6	15	1,800	4,752,755	-	-	4,754,555	
20	Small FT	SC7	707	1,370,031	5,175,047	-	-	6,545,078	
21	Firm & Standby	SC8	60	6,980	5,795,967	8,840,338	9,253,865	23,897,150	
22	NGV	SC10	2		16,569	-	-	16,569	
23	DG <250	SC12-S	1		907			907	
24	DG <250	SC12-S			700			700	
25	DG <250 MB	SC12-S	1		3,700			3,700	
26	DG <250 MB	SC12-S			1,885			1,885	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		33,787			33,787	
30	DG 250-1000 MB	SC12-S			28,318			28,318	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		287,598	-		287,598	
34	DG 1M-2.5M MB	SC12-L			201,962	-		201,962	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	350	-	-	361	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,663,267	-	-	48,663,267	
42	NYSEG	NYSEG	1	-	294,111	-	-	294,111	360,000
43	Special Contract	SC9	5	-	8,267,572	-	-	8,267,572	
44	Rounding	Round			64			64	
45			626,708	3,638,099	110,781,061	51,960,604	11,812,833	178,192,597	829,405

Sch. 4.2C

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 2 Rates and Revenue

			Level Year 2 Proposed Rates					Level Year 2 Proposed Rates Revenue				
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue	Total
1	Residential Non-Heat	SC1	$ 20.35	$ 0.57545	$ 0.09539	$ -		6,408,512	1,586,230	105,083		8,099,825
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.57545	$ 0.09539	$ -		612,892	168,259	8,685		789,835
3	Residential Heat	SC1	$ 20.35	$ 0.57545	$ 0.09539	$ -		113,874,382	98,971,592	24,262,395		237,108,369
4	Residential Heat MB	SC1	$ 20.35	$ 0.57545	$ 0.09539	$ -		20,315,987	18,387,177	4,845,822		43,548,986
5	Residential Non-Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		34,438	4,316	0		38,755
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		3,199	681	0		3,880
7	Residential Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		457,989	490,443	141,406		1,089,838
8	Residential Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		89,739	170,322	112,957		373,018
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		357,008	402,144	353,512		1,112,664
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		212,569	391,010	398,819		1,002,398
11	Commercial Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		8,087,358	13,290,059	12,397,821		33,775,239
12	Commercial Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		4,528,895	9,658,390	14,310,442		28,497,728
13	Industrial	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		22,842	61,033	241,128		325,003
14	Industrial MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		21,036	56,795	199,137		276,969
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.11632	$ -	$ -		-	-	-		-
16	Commercial Heat	SC3	$ 781.27	$ 0.11632	$ -	$ -		300,525	752,411	-		1,052,936
17	Industrial	SC3	$ 781.27	$ 0.11632	$ -	$ -		77,427	211,058	-		288,484
18	Firm Transport	SC5	$ 587.29	$ 0.08113	$ -	$ -		1,113,502	6,560,029	-		7,673,531
19	Lg Vol IT	SC6						-	-	-	2,530,339	2,530,339
20	Small FT	SC7	$ 361.27	$ 0.15389	$ -	$ -		3,064,722	7,963,880	-		11,028,602
21	Firm & Standby	SC8	$ 1,155.03	$ 0.08281	$ 0.07793	$ 0.06724		831,622	4,799,640	13,111,574	1,517,048	20,259,884
22	NGV	SC10	$ -	$ 0.60900	$ -	$ -		-	100,907	-		100,907
23	DG <250	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	460	-		2,240
24	DG <250	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	450	-		450
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	1,877	-		3,657
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	1,212	-		1,212
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		-	-	-		-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	-	-		-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		39,189	15,279	-		54,468
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	16,221	-		16,221
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		-	-	-		-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	-	-		-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		50,446	121,251	-		171,697
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	107,848	-		107,848
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -		-	-	-		-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -		-	-	-		-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -	$ 0.86534	33,630	39,532	-		73,162
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -	$ 0.86534	-	46,363	-	406,195	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914	$ -	$ -		992	137	-		1,129
40	DG Sales MB	SC13	$ 27.56	$ 0.03914	$ -	$ -		-	-	-		-
41	Electric Generation	SC14						-	-	-	12,970,150	12,970,150
42	NYSEG	NYSEG	$ 908.94	$ 0.03678	$ -	$ -	$ 0.58086	10,907	108,174	-	209,110	328,191
43	Special Contract	SC9						-	-	-	3,931,379	3,931,379
44	Rounding	Round										
45								160,553,368	164,485,180	70,488,782	21,564,221	417,091,551

Case 17-G-0239
Appendix 3
Schedule 4.2C
Page 2 of 2

Sch. 4.3A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

tblRates_LvlYr3

			Rate Year 2 Rates Before Surcredit						Rate Year 3 Rates Revenue			
Line	**Rate**	**SC**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Block 2 dth**	**Target**	**Customer Charge**	**Demand Charge**	**Volumetric**
1	SC1	SC1	$ 20.35	$ 0.57545	$ 0.09539				298,925,016	142,278,511	-	156,646,505
2	SC2	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784			68,426,903	13,845,612	-	54,581,291
3	SC3	SC3	$ 781.27	$ 0.11632				824,005	1,357,091	364,947	-	992,144
4	SC5	SC5	$ 587.29	$ 0.08113					7,937,598	1,175,027	-	6,762,571
5	SC6	SC6							2,562,020	-	2,562,020	-
6	SC7	SC7	$ 361.27	$ 0.15389					11,475,063	3,100,642	-	8,374,421
7	SC8	SC8	$ 1,155.03	$ 0.08281	$ 0.07793	$ 0.06724		24,157,667	20,973,486	914,782	1,517,048	18,541,656
8	SC10	SC10		$ 0.60900					103,395	-	-	103,395
9												
10	SC12-S1	SC12-S	$ 148.27	$ 0.05074					79,172	42,748	-	36,425
11	SC12-S1W		$ 148.27	$ 0.06429								
12	SC12-S2		$ 466.54	$ 0.04522								
13	SC12-S2W		$ 466.54	$ 0.05728								
14												
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615				807,884	84,076	406,195	317,612
16	SC12-L1W		$ 1,401.27	$ 0.05340	$ 0.04578							
17	SC12-L2		$ 1,401.27	$ 0.00845			$ 0.86534					
18	SC12-L2W		$ 1,401.27	$ 0.01071			$ 0.86534					
19												
20	SC13	SC13	$ 27.56	$ 0.03914					1,129	992	-	137
21	SC14	SC14							12,980,863	-	12,980,863	-
22	NYSEG	NYSEG	$ 908.94	$ 0.03678			$ 0.58086		339,053	11,184	214,405	113,464
23	SC9	SC9							4,007,632	-	4,007,632	-
24	Round	Round										-
25									429,976,305	161,818,520	21,688,163	246,469,622

Case 17-G-0239
Appendix 3
Schedule 4.3A
Page 1 of 4

Sch. 4.3A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

tblRates_LvlYr3

Line	Rate	SC	Volumetric Year 3 at Year 2 Rates	Volumetric % Increase	Rate Year 3 Proposed Rates Before Surcredit: Block 1 (CC)	Block 2	Block 3	Block 4	Demand	
1	SC1	SC1	149,231,988	4.97%	$ 20.35	$ 0.60404	$ 0.10013			
2	SC2	SC2	52,884,035	3.21%	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		
3	SC3	SC3	958,483	3.51%	$ 781.27	$ 0.12041				
4	SC5	SC5	6,627,212	2.04%	$ 619.74	$ 0.08279				
5	SC6	SC6	2,562,020							
6	SC7	SC7	8,089,794	3.52%	$ 361.27	$ 0.15930				
7	SC8	SC8	19,621,639	2.41%	$ 1,270.53	$ 0.08481	$ 0.07981	$ 0.06886		
8	SC10	SC10	103,395	0.00%		$ 0.60900				
9										
10	SC12-S1	SC12-S	36,425		$ 148.27	$ 0.05074				0.000
11	SC12-S1W				$ 148.27	$ 0.06429				
12	SC12-S2				$ 466.54	$ 0.04522				
13	SC12-S2W				$ 466.54	$ 0.05728				
14										
15	SC12-L1	SC12-L	723,807		$ 1,401.27	$ 0.04216	$ 0.03615			
16	SC12-L1W				$ 1,401.27	$ 0.05340	$ 0.04578			0.000
17	SC12-L2				$ 1,401.27	$ 0.00845			$ 0.86534	
18	SC12-L2W				$ 1,401.27	$ 0.01071			$ 0.86534	
19										
20	SC13	SC13	137	0.00%	$ 27.56	$ 0.03914				
21	SC14	SC14	12,980,863							
22	NYSEG	NYSEG	319,735	2.53%	$ 931.96	$ 0.03771			$ 0.59557	
23	SC9	SC9	4,007,632							
24	Round	Round								
25			258,147,166	(4.52%)						

Case 17-G-0239
Appendix 3
Schedule 4.3A
Page 2 of 4

Sch. 4.3A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

tblRates_LvlYr3

			Billing Units	Rate Year 3 Revenue at Proposed Rates			Surcredit				
Line	**Rate**	**SC**	**Block 2**	**Total**	**CC, Blocks 3-4, Demand**	**Difference to Target**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Surcredit Ratio**
1	SC1	SC1	20,823,110	298,925,003	30,866,577	(14)	$ (0.01473)	$ (0.00245)			30.4%
2	SC2	SC2	6,769,877	68,426,619	29,166,212	(284)	$ (0.00658)	$ (0.00381)	$ (0.00121)		33.9%
3	SC3	SC3	824,005	1,357,132	-	41	$ (0.00290)				40.0%
4	SC5	SC5	8,168,634	7,937,839	-	241	$ (0.00155)				43.1%
5	SC6	SC6	4,814,828	2,562,020	2,562,020	-					
6	SC7	SC7	5,256,868	11,474,833	-	(230)	$ (0.00300)				33.7%
7	SC8	SC8	5,807,899	20,973,113	15,132,653	(372)	$ (0.00135)	$ (0.00126)	$ (0.00108)		36.3%
8	SC10	SC10	16,978	103,395	-	-					
9											
10	SC12-S1	SC12-S	71,322	79,172	42,748	-					
11	SC12-S1W		-								
12	SC12-S2		-								
13	SC12-S2W		-								
14			-								
15	SC12-L1	SC12-L	1,396,499	807,884	490,271	-					
16	SC12-L1W		-								
17	SC12-L2		-	-							
18	SC12-L2W		-								
19			-								
20	SC13	SC13	350	1,129	992	-					
21	SC14	SC14	48,852,114	12,980,863	12,980,863	-					
22	NYSEG	NYSEG	300,777	339,012	225,589	(41)	$ -			$ -	-
23	SC9	SC9	8,278,305	4,007,632	4,007,632	-					
24	Round	Round	64	12	-						
25			111,381,630	429,975,657	95,475,557	(660)					

Case 17-G-0239
Appendix 3
Schedule 4.3A
Page 3 of 4

Sch. 4.3A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

tblRates_LvlYr3

Line	Rate	SC	Tax Credit Block 2	Tax Credit Block 3	Tax Credit Block 4	Tax Credit Demand	Tax Credit Ratio	Actual Tax Credit	Target
1	SC1	SC1	$ (0.04143)	$ (0.00687)			104.3%	(10,680,229)	(10,679,191)
2	SC2	SC2	$ (0.02090)	$ (0.01216)	$ (0.00389)		104.3%	(3,027,031)	(3,027,077)
3	SC3	SC3	$ (0.00655)				104.3%	(54,253)	(53,779)
4	SC5	SC5	$ (0.00179)				104.3%	(144,736)	(143,829)
5	SC6	SC6							
6	SC7	SC7	$ (0.00857)				104.3%	(443,502)	(443,577)
7	SC8	SC8	$ (0.00228)	$ (0.00216)	$ (0.00185)		104.2%	(494,296)	(494,855)
8	SC10	SC10	$ -						
9									
10	SC12-S1	SC12-S	$ (0.00606)				104.3%	(279)	(40,022)
11	SC12-S1W		$ (0.00769)					(199)	
12	SC12-S2		$ (0.00540)					(1,825)	
13	SC12-S2W		$ (0.00684)					(1,937)	
14									
15	SC12-L1	SC12-L	$ (0.00504)	$ (0.00432)				(14,495)	
16	SC12-L1W		$ (0.00638)	$ (0.00547)				(12,885)	
17	SC12-L2		$ (0.00100)			$ (0.10339)		(4,678)	
18	SC12-L2W		$ (0.00127)			$ (0.10339)		(5,498)	
19									
20	SC13	SC13							
21	SC14	SC14							
22	NYSEG	NYSEG	$ (0.00011)			$ (0.00176)	104.3%	(6,660)	(6,670)
23	SC9	SC9							
24	Round	Round							
25								(14,892,501)	(14,889,000)

Case 17-G-0239
Appendix 3
Schedule 4.3A
Page 4 of 4

Sch. 4.3B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 3 Revenue at Year 2 Rates

Line	Description	SC	Customers	Level Year 3 Deliveries Dth					Demand Units
				Block 1	Block 2	Block 3	Block 4	Total	
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
22	NGV	SC10	2		16,978	-	-	16,978	
23	DG <250	SC12-S	1		954			954	
24	DG <250	SC12-S			700			700	
25	DG <250 MB	SC12-S	1		3,840			3,840	
26	DG <250 MB	SC12-S			1,885			1,885	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		35,625			35,625	
30	DG 250-1000 MB	SC12-S			28,318			28,318	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		293,808	-		293,808	
34	DG 1M-2.5M MB	SC12-L			201,962	-		201,962	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	350	-	-	360	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	300,777	360,000
43	Special Contract	SC9	5	-	8,278,305	-	-	8,278,305	
44	Rounding	Round	-	-	64	-	-	64	
45			631,188	3,670,181	111,381,630	52,308,184	11,968,424	179,328,419	829,405

Case 17-G-0239
Appendix 3
Schedule 4.3B
Page 1 of 2

Sch. 4.3B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 3 Revenue at Year 2 Rates

			Level Year 2 Proposed Rates Before Surcredit					Level Year 3 Revenue at Year 2 Rates						
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand Revenue	Total	Volumetric
1	Residential Non-Heat	SC1	$ 20.35	$ 0.57545	$ 0.09539			6,372,395	1,573,236	104,270	-		8,049,901	1,677,507
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.57545	$ 0.09539			504,647	138,276	7,135	-		650,057	145,410
3	Residential Heat	SC1	$ 20.35	$ 0.57545	$ 0.09539			116,641,743	101,146,843	24,816,318	-		242,604,903	125,963,161
4	Residential Heat MB	SC1	$ 20.35	$ 0.57545	$ 0.09539			18,759,727	16,968,233	4,477,678	-		40,205,637	21,445,910
5	Residential Non-Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		33,461	4,270	-	0		37,730	4,270
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		3,812	764	-	0		4,576	764
7	Residential Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		458,285	490,540	137,154	4,223		1,090,202	631,917
8	Residential Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		89,046	168,899	110,438	1,502		369,885	280,839
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		342,921	387,626	297,442	44,072		1,072,062	729,140
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		214,869	396,013	395,344	8,926		1,015,153	800,284
11	Commercial Heat	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		8,134,863	13,393,234	11,540,962	952,306		34,021,365	25,886,502
12	Commercial Heat MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		4,523,823	9,663,498	13,631,867	687,349		28,506,537	23,982,714
13	Industrial	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		23,416	62,867	227,033	21,367		334,683	311,267
14	Industrial MB	SC2	$ 24.27	$ 0.36374	$ 0.21159	$ 0.06784		21,116	57,040	176,903	22,396		277,455	256,339
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.11632				-	-	-	-		-	-
16	Commercial Heat	SC3	$ 781.27	$ 0.11632				280,633	740,332	-	-		1,020,965	740,332
17	Industrial	SC3	$ 781.27	$ 0.11632				84,315	218,151	-	-		302,465	218,151
18	Firm Transport	SC5	$ 587.29	$ 0.08113				1,113,502	6,627,212	-	-		7,740,714	6,627,212
19	Lg Vol IT	SC6						-	-	-	-	2,562,020	2,562,020	2,562,020
20	Small FT	SC7	$ 361.27	$ 0.15389				3,100,642	8,089,794	-	-		11,190,436	8,089,794
21	Firm & Standby	SC8	$ 1,155.03	$ 0.08281	$ 0.07793	$ 0.06724		831,622	4,809,521	6,974,234	6,320,836	1,517,048	20,453,261	19,621,639
22	NGV	SC10	$ -	$ 0.60900				-	103,395	-	-		103,395	103,395
23	DG <250	SC12-S	$ 148.27	$ 0.05074				1,779	484	-	-		2,263	484
24	DG <250	SC12-S	$ 148.27	$ 0.06429				-	450	-	-		450	450
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074				1,779	1,948	-	-		3,727	1,948
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429				-	1,212	-	-		1,212	1,212
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522				-	-	-	-		-	-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728				-	-	-	-		-	-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522				39,189	16,110	-	-		55,299	16,110
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728				-	16,221	-	-		16,221	16,221
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			-	-	-	-		-	-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578			-	-	-	-		-	-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			50,446	123,869	-	-		174,315	123,869
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578			-	107,848	-	-		107,848	107,848
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845			$ 0.86534	-	-	-	-		-	-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071			$ 0.86534	-	-	-	-		-	-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845			$ 0.86534	33,630	39,532	-	-		73,162	39,532
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071			$ 0.86534	-	46,363	-	-	406,195	452,558	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914				992	137	-	-		1,129	137
40	DG Sales MB	SC13	$ 27.56	$ 0.03914				-	-	-	-		-	-
41	Electric Generation	SC14						-	-	-	-	12,980,863	12,980,863	12,980,863
42	NYSEG	NYSEG	$ 908.94	$ 0.03678			$ 0.58086	10,907	110,626	-	-	209,110	330,643	319,735
43	Special Contract	SC9						-	-	-	-	4,007,632	4,007,632	4,007,632
44	Rounding	Round												
45								161,673,559	165,504,543	62,896,779	8,062,977	21,682,868	419,820,725	258,147,166

Case 17-G-0239
Appendix 3
Schedule 4.3B
Page 2 of 2

Sch. 4.3C

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 3 Rates and Revenue

Line	Description	SC	Customers	Level Year 3 Deliveries Dth Block 1	Block 2	Block 3	Block 4	Total	Demand Units
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
22	NGV	SC10	2		16,978	-	-	16,978	
23	DG <250	SC12-S	1		954			954	
24	DG <250	SC12-S			700			700	
25	DG <250 MB	SC12-S	1		3,840			3,840	
26	DG <250 MB	SC12-S			1,885			1,885	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		35,625			35,625	
30	DG 250-1000 MB	SC12-S			28,318			28,318	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		293,808	-		293,808	
34	DG 1M-2.5M MB	SC12-L			201,962	-		201,962	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	350	-	-	360	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	300,777	360,000
43	Special Contract	SC9	5	-	8,278,305	-	-	8,278,305	
44	Rounding	Round			64			64	
45			631,188	3,670,181	111,381,630	52,308,184	11,968,424	179,328,419	829,405

Case 17-G-0239
Appendix 3
Schedule 4.3C
Page 1 of 2

Sch. 4.3C

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 3 Rates and Revenue

			Level Year 3 Proposed Rates					Level Year 3 Proposed Rates Revenue				
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue	Total
1	Residential Non-Heat	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		6,372,395	1,651,399	109,452		8,133,245
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		504,647	145,146	7,489		657,282
3	Residential Heat	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		116,641,743	106,172,107	26,049,459		248,863,309
4	Residential Heat MB	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		18,759,727	17,811,263	4,700,177		41,271,167
5	Residential Non-Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		33,461	4,407	0		37,867
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		3,812	788	0		4,600
7	Residential Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		458,285	506,278	145,914		1,110,477
8	Residential Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		89,046	174,317	115,532		378,896
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		342,921	400,063	352,475		1,095,459
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		214,869	408,718	417,244		1,040,832
11	Commercial Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		8,134,863	13,822,934	12,894,223		34,852,021
12	Commercial Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		4,523,823	9,973,536	14,778,755		29,276,114
13	Industrial	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		23,416	64,884	256,372		344,672
14	Industrial MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		21,116	58,870	205,696		285,681
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.12041	$ -	$ -		-	-	-		-
16	Commercial Heat	SC3	$ 781.27	$ 0.12041	$ -	$ -		280,633	766,364	-		1,046,996
17	Industrial	SC3	$ 781.27	$ 0.12041	$ -	$ -		84,315	225,821	-		310,136
18	Firm Transport	SC5	$ 619.74	$ 0.08279	$ -	$ -		1,175,027	6,762,812	-		7,937,839
19	Lg Vol IT	SC6						-	-	-	2,562,020	2,562,020
20	Small FT	SC7	$ 361.27	$ 0.15930	$ -	$ -		3,100,642	8,374,191	-		11,474,833
21	Firm & Standby	SC8	$ 1,270.53	$ 0.08481	$ 0.07981	$ 0.06886		914,782	4,925,679	13,615,605	1,517,048	20,973,113
22	NGV	SC10	$ -	$ 0.60900	$ -	$ -		-	103,395	-		103,395
23	DG <250	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	484	-		2,263
24	DG <250	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	450	-		450
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	1,948	-		3,727
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	1,212	-		1,212
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		-	-	-		-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	-	-		-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		39,189	16,110	-		55,299
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	16,221	-		16,221
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		-	-	-		-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	-	-		-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		50,446	123,869	-		174,315
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	107,848	-		107,848
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -		-	-	-		-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -		-	-	-		-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -	$ 0.86534	33,630	39,532	-		73,162
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -	$ 0.86534	-	46,363	-	406,195	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914	$ -	$ -		992	137	-		1,129
40	DG Sales MB	SC13	$ 27.56	$ 0.03914	$ -	$ -		-	-	-		-
41	Electric Generation	SC14						-	-	-	12,980,863	12,980,863
42	NYSEG	NYSEG	$ 931.96	$ 0.03771	$ -	$ -	$ 0.59557	11,184	113,423	-	214,405	339,012
43	Special Contract	SC9						-	-	-	4,007,632	4,007,632
44	Rounding	Round										
45								161,818,520	172,820,568	73,648,394	21,688,163	429,975,645

Case 17-G-0239
Appendix 3
Schedule 4.3C
Page 2 of 2

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 4

tblRates_LvlYr4

			Rate Year 3 Rates Before Surcredit						Rate Year 4 Rates Revenue			
Line	**Rate**	**SC**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Block 2 dth**	**Target**	**Customer Charge**	**Demand Charge**	**Volumetric**
1	SC1	SC1	$ 20.35	$ 0.60404	$ 0.10013				298,925,003	142,278,511	-	156,646,491
2	SC2	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002			68,426,619	13,845,612	-	54,581,007
3	SC3	SC3	$ 781.27	$ 0.12041				824,005	1,357,132	364,947	-	992,185
4	SC5	SC5	$ 619.74	$ 0.08279					7,937,839	1,175,027	-	6,762,812
5	SC6	SC6							2,562,020	-	2,562,020	-
6	SC7	SC7	$ 361.27	$ 0.15930					11,474,833	3,100,642	-	8,374,191
7	SC8	SC8	$ 1,270.53	$ 0.08481	$ 0.07981	$ 0.06886		24,157,667	20,973,113	914,782	1,517,048	18,541,284
8	SC10	SC10		$ 0.60900					103,395	-	-	103,395
9												
10	SC12-S1	SC12-S	$ 148.27	$ 0.05074					79,172	42,748	-	36,425
11	SC12-S1W		$ 148.27	$ 0.06429								
12	SC12-S2		$ 466.54	$ 0.04522								
13	SC12-S2W		$ 466.54	$ 0.05728								
14												
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615				807,884	84,076	406,195	317,612
16	SC12-L1W		$ 1,401.27	$ 0.05340	$ 0.04578							
17	SC12-L2		$ 1,401.27	$ 0.00845			$ 0.86534					
18	SC12-L2W		$ 1,401.27	$ 0.01071			$ 0.86534					
19												
20	SC13	SC13	$ 27.56	$ 0.03914					1,129	992	-	137
21	SC14	SC14							12,980,863	-	12,980,863	-
22	NYSEG	NYSEG	$ 931.96	$ 0.03771			$ 0.59557		339,012	11,184	214,405	113,423
23	SC9	SC9							4,007,632	-	4,007,632	-
24	Round	Round										-
25									429,975,645	161,818,520	21,688,163	246,468,962

Case 17-G-0239
Appendix 3
Schedule 4.4A
Page 1 of 4

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 4

tblRates_LvlYr4

Line	Rate	SC	Volumetric Year 4 at Year 3 Rates	Volumetric % Increase	Rate Year 4 Proposed Rates Before Surcredit: Block 1 (CC)	Block 2	Block 3	Block 4	Demand	
1	SC1	SC1	156,646,491	0.00%	$ 20.35	$ 0.60404	$ 0.10013			
2	SC2	SC2	54,581,007	0.00%	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		
3	SC3	SC3	992,185	0.00%	$ 781.27	$ 0.12041				
4	SC5	SC5	6,762,812	0.00%	$ 619.74	$ 0.08279				
5	SC6	SC6	2,562,020							
6	SC7	SC7	8,374,191	0.00%	$ 361.27	$ 0.15930				
7	SC8	SC8	18,541,284	0.00%	$ 1,270.53	$ 0.08481	$ 0.07981	$ 0.06886		
8	SC10	SC10	103,395	0.00%		$ 0.60900				
9										
10	SC12-S1	SC12-S	36,425		$ 148.27	$ 0.05074				0.000
11	SC12-S1W				$ 148.27	$ 0.06429				
12	SC12-S2				$ 466.54	$ 0.04522				
13	SC12-S2W				$ 466.54	$ 0.05728				
14										
15	SC12-L1	SC12-L	723,807		$ 1,401.27	$ 0.04216	$ 0.03615			
16	SC12-L1W				$ 1,401.27	$ 0.05340	$ 0.04578			0.000
17	SC12-L2				$ 1,401.27	$ 0.00845			$ 0.86534	
18	SC12-L2W				$ 1,401.27	$ 0.01071			$ 0.86534	
19										
20	SC13	SC13	137	0.00%	$ 27.56	$ 0.03914				
21	SC14	SC14	12,980,863							
22	NYSEG	NYSEG	327,828	3.39%	$ 963.60	$ 0.03899			$ 0.61579	
23	SC9	SC9	4,007,632							
24	Round	Round								
25			266,640,077	(7.56%)						

Case 17-G-0239
Appendix 3
Schedule 4.4A
Page 2 of 4

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 4

tblRates_LvlYr4

			Billing Units	Rate Year 4 Revenue at Proposed Rates			Surcredit				
Line	**Rate**	**SC**	**Block 2**	**Total**	**CC, Blocks 3-4, Demand**	**Difference to Target**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Surcredit Ratio**
1	SC1	SC1	20,823,110	298,925,003	30,866,577	-	$ (0.00385)	$ (0.00064)			26.3%
2	SC2	SC2	6,769,877	68,426,619	29,166,212	-	$ (0.00224)	$ (0.00130)	$ (0.00041)		34.2%
3	SC3	SC3	824,005	1,357,132	-	-	$ (0.00121)				41.7%
4	SC5	SC5	8,168,634	7,937,839	-	-	$ (0.00061)				40.0%
5	SC6	SC6	4,814,828	2,562,020	2,562,020	-					
6	SC7	SC7	5,256,868	11,474,833	-	-	$ (0.00105)				35.5%
7	SC8	SC8	5,807,899	20,973,113	15,132,653	-	$ (0.00046)	$ (0.00043)	$ (0.00037)		34.5%
8	SC10	SC10	16,978	103,395	-	-					
9											
10	SC12-S1	SC12-S	71,322	79,172	42,748	-					
11	SC12-S1W		-								
12	SC12-S2		-								
13	SC12-S2W		-								
14			-								
15	SC12-L1	SC12-L	1,396,499	807,884	490,271	-					
16	SC12-L1W		-								
17	SC12-L2		-	-							
18	SC12-L2W		-								
19			-								
20	SC13	SC13	350	1,129	992	-					
21	SC14	SC14	48,852,114	12,980,863	12,980,863	-					
22	NYSEG	NYSEG	300,777	339,012	225,589	-					
23	SC9	SC9	8,278,305	4,007,632	4,007,632	-					
24	Round	Round	64	12	-						
25			111,381,630	429,975,657	95,475,557	-					

Case 17-G-0239
Appendix 3
Schedule 4.4A
Page 3 of 4

Sch. 4.4A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 4

tblRates_LvlYr4

			Tax Credit						
Line	**Rate**	**SC**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Tax Credit Ratio**	**Actual Tax Credit**	**Target**
1	SC1	SC1	$ (0.04117)	$ (0.00683)			99.4%	(10,678,325)	(10,679,191)
2	SC2	SC2	$ (0.02082)	$ (0.01212)	$ (0.00388)		99.6%	(3,028,045)	(3,027,077)
3	SC3	SC3	$ (0.00655)				100.0%	(53,972)	(53,779)
4	SC5	SC5	$ (0.00179)				100.0%	(146,219)	(143,829)
5	SC6	SC6							
6	SC7	SC7	$ (0.00843)				98.4%	(443,154)	(443,577)
7	SC8	SC8	$ (0.00226)	$ (0.00214)	$ (0.00183)		99.1%	(494,802)	(494,855)
8	SC10	SC10							
9									
10	SC12-S1	SC12-S	$ (0.00606)				100.0%	(290)	(40,022)
11	SC12-S1W		$ (0.00769)					(199)	
12	SC12-S2		$ (0.00540)					(1,924)	
13	SC12-S2W		$ (0.00684)					(1,937)	
14									
15	SC12-L1	SC12-L	$ (0.00504)	$ (0.00432)				(14,808)	
16	SC12-L1W		$ (0.00638)	$ (0.00547)				(12,885)	
17	SC12-L2		$ (0.00100)			$ (0.10339)		(4,678)	
18	SC12-L2W		$ (0.00127)			$ (0.10339)		(5,498)	
19									
20	SC13	SC13							
21	SC14	SC14							
22	NYSEG	NYSEG	$ (0.00011)			$ (0.00176)	100.0%	(6,667)	(6,670)
23	SC9	SC9							
24	Round	Round							
25								(14,893,403)	(14,889,000)

Case 17-G-0239
Appendix 3
Schedule 4.4A
Page 4 of 4

Sch. 4.4B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 4 Revenue at Year 3 Rates

				Level Year 3 Deliveries Dth- USE FOR YEAR 4					
Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
22	NGV	SC10	2		16,978	-	-	16,978	
23	DG <250	SC12-S	1		954			954	
24	DG <250	SC12-S			700			700	
25	DG <250 MB	SC12-S	1		3,840			3,840	
26	DG <250 MB	SC12-S			1,885			1,885	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		35,625			35,625	
30	DG 250-1000 MB	SC12-S			28,318			28,318	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		293,808	-		293,808	
34	DG 1M-2.5M MB	SC12-L			201,962	-		201,962	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	350	-	-	360	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	300,777	360,000
43	Special Contract	SC9	5	-	8,278,305	-	-	8,278,305	
44	Rounding	Round	-	-	64	-	-	64	
45			631,188	3,670,181	111,381,630	52,308,184	11,968,424	179,328,419	829,405

Case 17-G-0239
Appendix 3
Schedule 4.4B
Page 1 of 2

Sch. 4.4B

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 4 Revenue at Year 3 Rates

			Level Year 3 Proposed Rates Before Surcredit					Level Year 4 Revenue at Year 3 Rates					
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand Revenue	Total
1	Residential Non-Heat	SC1	$ 20.35	$ 0.60404	$ 0.10013			6,372,395	1,651,399	109,452	-		8,133,245
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.60404	$ 0.10013			504,647	145,146	7,489	-		657,282
3	Residential Heat	SC1	$ 20.35	$ 0.60404	$ 0.10013			116,641,743	106,172,107	26,049,459	-		248,863,309
4	Residential Heat MB	SC1	$ 20.35	$ 0.60404	$ 0.10013			18,759,727	17,811,263	4,700,177	-		41,271,167
5	Residential Non-Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		33,461	4,407	-	0		37,867
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		3,812	788	-	0		4,600
7	Residential Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		458,285	506,278	141,555	4,359		1,110,477
8	Residential Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		89,046	174,317	113,982	1,550		378,896
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		342,921	400,063	306,987	45,489		1,095,459
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		214,869	408,718	408,031	9,213		1,040,832
11	Commercial Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		8,134,863	13,822,934	11,911,316	982,907		34,852,021
12	Commercial Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		4,523,823	9,973,536	14,069,319	709,436		29,276,114
13	Industrial	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		23,416	64,884	234,319	22,054		344,672
14	Industrial MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		21,116	58,870	182,580	23,116		285,681
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.12041				-	-	-	-		-
16	Commercial Heat	SC3	$ 781.27	$ 0.12041				280,633	766,364	-	-		1,046,996
17	Industrial	SC3	$ 781.27	$ 0.12041				84,315	225,821	-	-		310,136
18	Firm Transport	SC5	$ 619.74	$ 0.08279				1,175,027	6,762,812	-	-		7,937,839
19	Lg Vol IT	SC6						-	-	-	-	2,562,020	2,562,020
20	Small FT	SC7	$ 361.27	$ 0.15930				3,100,642	8,374,191	-	-		11,474,833
21	Firm & Standby	SC8	$ 1,270.53	$ 0.08481	$ 0.07981	$ 0.06886		914,782	4,925,679	7,142,482	6,473,122	1,517,048	20,973,113
22	NGV	SC10	$ -	$ 0.60900				-	103,395	-	-		103,395
23	DG <250	SC12-S	$ 148.27	$ 0.05074				1,779	484	-	-		2,263
24	DG <250	SC12-S	$ 148.27	$ 0.06429				-	450	-	-		450
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074				1,779	1,948	-	-		3,727
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429				-	1,212	-	-		1,212
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522				-	-	-	-		-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728				-	-	-	-		-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522				39,189	16,110	-	-		55,299
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728				-	16,221	-	-		16,221
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			-	-	-	-		-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578			-	-	-	-		-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			50,446	123,869	-	-		174,315
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578			-	107,848	-	-		107,848
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845			$ 0.86534	-	-	-	-		-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071			$ 0.86534	-	-	-	-		-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845			$ 0.86534	33,630	39,532	-	-		73,162
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071			$ 0.86534	-	46,363	-	-	406,195	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914				992	137	-	-		1,129
40	DG Sales MB	SC13	$ 27.56	$ 0.03914				-	-	-	-		-
41	Electric Generation	SC14						-	-	-	-	12,980,863	12,980,863
42	NYSEG	NYSEG	$ 931.96	$ 0.03771			$ 0.59557	11,184	113,423	-	-	214,405	339,012
43	Special Contract	SC9						-	-	-	-	4,007,632	4,007,632
44	Rounding	Round											
45								161,818,520	172,820,568	65,377,148	8,271,246	21,688,163	429,975,645

Case 17-G-0239
Appendix 3
Schedule 4.4B
Page 2 of 2

Case 17-G-0239
Appendix 3
Schedule 4.4C
Page 1 of 2

Sch. 4.4C

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 4 Rates and Revenue

				Level Year 3 Deliveries Dth					
Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
22	NGV	SC10	2		16,978	-	-	16,978	
23	DG <250	SC12-S	1		954			954	
24	DG <250	SC12-S			700			700	
25	DG <250 MB	SC12-S	1		3,840			3,840	
26	DG <250 MB	SC12-S			1,885			1,885	
27	DG 250-1000	SC12-S	-		-			-	
28	DG 250-1000	SC12-S			-			-	
29	DG 250-1000 MB	SC12-S	7		35,625			35,625	
30	DG 250-1000 MB	SC12-S			28,318			28,318	
31	DG 1M-2.5M	SC12-L	-		-	-		-	
32	DG 1M-2.5M	SC12-L			-	-		-	
33	DG 1M-2.5M MB	SC12-L	3		293,808	-		293,808	
34	DG 1M-2.5M MB	SC12-L			201,962	-		201,962	
35	DG >2.5M	SC12-L	-		-	-		-	
36	DG >2.5M	SC12-L			-	-		-	
37	DG >2.5M MB	SC12-L	2		467,832	-		467,832	
38	DG >2.5M MB	SC12-L			432,898	-		432,898	469,405
39	DG Sales	SC13	3	11	350	-	-	360	
40	DG Sales MB	SC13	-		-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	300,777	360,000
43	Special Contract	SC9	5	-	8,278,305	-	-	8,278,305	
44	Rounding	Round			64			64	
45			631,188	3,670,181	111,381,630	52,308,184	11,968,424	179,328,419	829,405

Sch. 4.4C

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 4 Rates and Revenue

			Level Year 3 Proposed Rates					Level Year 3 Proposed Rates Revenue				
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue	Total
1	Residential Non-Heat	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		6,372,395	1,651,399	109,452		8,133,245
2	Residential Non-Heat MB	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		504,647	145,146	7,489		657,282
3	Residential Heat	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		116,641,743	106,172,107	26,049,459		248,863,309
4	Residential Heat MB	SC1	$ 20.35	$ 0.60404	$ 0.10013	$ -		18,759,727	17,811,263	4,700,177		41,271,167
5	Residential Non-Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		33,461	4,407	0		37,867
6	Residential Non-Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		3,812	788	0		4,600
7	Residential Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		458,285	506,278	145,914		1,110,477
8	Residential Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		89,046	174,317	115,532		378,896
9	Commercial Non-Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		342,921	400,063	352,475		1,095,459
10	Commercial Non-Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		214,869	408,718	417,244		1,040,832
11	Commercial Heat	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		8,134,863	13,822,934	12,894,223		34,852,021
12	Commercial Heat MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		4,523,823	9,973,536	14,778,755		29,276,114
13	Industrial	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		23,416	64,884	256,372		344,672
14	Industrial MB	SC2	$ 24.27	$ 0.37541	$ 0.21838	$ 0.07002		21,116	58,870	205,696		285,681
15	Commercial Non-Heat	SC3	$ 781.27	$ 0.12041	$ -	$ -		-	-	-		-
16	Commercial Heat	SC3	$ 781.27	$ 0.12041	$ -	$ -		280,633	766,364	-		1,046,996
17	Industrial	SC3	$ 781.27	$ 0.12041	$ -	$ -		84,315	225,821	-		310,136
18	Firm Transport	SC5	$ 619.74	$ 0.08279	$ -	$ -		1,175,027	6,762,812	-		7,937,839
19	Lg Vol IT	SC6						-	-	-	2,562,020	2,562,020
20	Small FT	SC7	$ 361.27	$ 0.15930	$ -	$ -		3,100,642	8,374,191	-		11,474,833
21	Firm & Standby	SC8	$ 1,270.53	$ 0.08481	$ 0.07981	$ 0.06886		914,782	4,925,679	13,615,605	1,517,048	20,973,113
22	NGV	SC10	$ -	$ 0.60900	$ -	$ -		-	103,395	-		103,395
23	DG <250	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	484	-		2,263
24	DG <250	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	450	-		450
25	DG <250 MB	SC12-S	$ 148.27	$ 0.05074	$ -	$ -		1,779	1,948	-		3,727
26	DG <250 MB	SC12-S	$ 148.27	$ 0.06429	$ -	$ -		-	1,212	-		1,212
27	DG 250-1000	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		-	-	-		-
28	DG 250-1000	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	-	-		-
29	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.04522	$ -	$ -		39,189	16,110	-		55,299
30	DG 250-1000 MB	SC12-S	$ 466.54	$ 0.05728	$ -	$ -		-	16,221	-		16,221
31	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		-	-	-		-
32	DG 1M-2.5M	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	-	-		-
33	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615	$ -		50,446	123,869	-		174,315
34	DG 1M-2.5M MB	SC12-L	$ 1,401.27	$ 0.05340	$ 0.04578	$ -		-	107,848	-		107,848
35	DG >2.5M	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -		-	-	-		-
36	DG >2.5M	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -		-	-	-		-
37	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.00845	$ -	$ -	$ 0.86534	33,630	39,532	-		73,162
38	DG >2.5M MB	SC12-L	$ 1,401.27	$ 0.01071	$ -	$ -	$ 0.86534	-	46,363	-	406,195	452,558
39	DG Sales	SC13	$ 27.56	$ 0.03914	$ -	$ -		992	137	-		1,129
40	DG Sales MB	SC13	$ 27.56	$ 0.03914	$ -	$ -		-	-	-		-
41	Electric Generation	SC14						-	-	-	12,980,863	12,980,863
42	NYSEG	NYSEG	$ 931.96	$ 0.03771	$ -	$ -	$ 0.59557	11,184	113,423	-	214,405	339,012
43	Special Contract	SC9						-	-	-	4,007,632	4,007,632
44	Rounding	Round										
45								161,818,520	172,820,568	73,648,394	21,688,163	429,975,645

Case 17-G-0239
Appendix 3
Schedule 4.4C
Page 2 of 2

Sch. 4.5

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Net Rates (Net of Tax Effect Credit and Surcredit)

Source: Sch. 4.1A

			Current Rates					Rate Year 1 Proposed Rates- NET				
Line	Description	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand
1	SC1	SC1	$ 20.35	$ 0.38520	$ 0.06385			$ 20.35	$ 0.42819	$ 0.07097		
2	SC2	SC2	$ 24.27	$ 0.29744	$ 0.17302	$ 0.05547		$ 24.27	$ 0.29999	$ 0.17450	$ 0.05595	
3	SC3	SC3	$ 781.27	$ 0.09679				$ 781.27	$ 0.09376			
4	SC5	SC5	$ 522.38	$ 0.06450				$ 554.83	$ 0.07211			
5	SC6	SC6	$ -	$ -				$ -	$ -			
6	SC7	SC7	$ 361.27	$ 0.11896				$ 361.27	$ 0.12647			
7	SC8	SC8	$ 924.04	$ 0.06569	$ 0.06182	$ 0.05333		$ 1,039.54	$ 0.07285	$ 0.06856	$ 0.05915	
8	SC10	SC10	$ -	$ 0.60900				$ -	$ 0.60900			
9												
10	SC12-S1	SC12-S	$ 148.27	$ 0.05074				$ 148.27	$ 0.04490			
11	SC12-S1W		$ 148.27	$ 0.06429				$ 148.27	$ 0.05688			
12	SC12-S2		$ 466.54	$ 0.04522				$ 466.54	$ 0.04001			
13	SC12-S2W		$ 466.54	$ 0.05728				$ 466.54	$ 0.05068			
14												
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.04216	$ 0.03615			$ 1,401.27	$ 0.03730	$ 0.03199		
16	SC12-L1W		$ 1,401.27	$ 0.05340	$ 0.04578			$ 1,401.27	$ 0.04725	$ 0.04051		
17	SC12-L2		$ 1,401.27	$ 0.00845			$ 0.86534	$ 1,401.27	$ 0.00748			$ 0.76567
18	SC12-L2W		$ 1,401.27	$ 0.01071			$ 0.86534	$ 1,401.27	$ 0.00948			$ 0.76567
19								$ -	$ -			
20	SC13	SC13	$ 27.56	$ 0.03914				$ 27.56	$ 0.03914			
21	SC14	SC14										
22	NYSEG	NYSEG	$ 810.07	$ 0.03228			$ 0.50974	$ 897.50	$ 0.03565			$ 0.56306
23	SC9	SC9										
24	Rounding	Round										
25												

Case 17-G-0239
Appendix 3
Schedule 4.5
Page 1 of 3

Sch. 4.5

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Net Rates (Net of Tax Effect Credit and Surcredit)

			Source: Sch. 4.2A					*Source: Sch. 4.3A*				
			Rate Year 2 Proposed Rates- NET					**Rate Year 3 Proposed Rates- NET**				
Line	**Description**	**SC**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**
1	SC1	SC1	$ 20.35	$ 0.48728	$ 0.08074			$ 20.35	$ 0.54788	$ 0.09081		
2	SC2	SC2	$ 24.27	$ 0.32432	$ 0.18870	$ 0.06055		$ 24.27	$ 0.34793	$ 0.20241	$ 0.06492	
3	SC3	SC3	$ 781.27	$ 0.10280				$ 781.27	$ 0.11096			
4	SC5	SC5	$ 587.29	$ 0.07582				$ 619.74	$ 0.07945			
5	SC6	SC6	$ -	$ -				$ -	$ -			
6	SC7	SC7	$ 361.27	$ 0.13678				$ 361.27	$ 0.14773			
7	SC8	SC8	$ 1,155.03	$ 0.07689	$ 0.07239	$ 0.06247		$ 1,270.53	$ 0.08118	$ 0.07639	$ 0.06593	
8	SC10	SC10	$ -	$ 0.60900				$ -	$ 0.60900			
9												
10	SC12-S1	SC12-S	$ 148.27	$ 0.04493				$ 148.27	$ 0.04468			
11	SC12-S1W		$ 148.27	$ 0.05692				$ 148.27	$ 0.05660			
12	SC12-S2		$ 466.54	$ 0.04004				$ 466.54	$ 0.03982			
13	SC12-S2W		$ 466.54	$ 0.05072				$ 466.54	$ 0.05044			
14												
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.03733	$ 0.03201			$ 1,401.27	$ 0.03712	$ 0.03183		
16	SC12-L1W		$ 1,401.27	$ 0.04728	$ 0.04054			$ 1,401.27	$ 0.04702	$ 0.04031		
17	SC12-L2		$ 1,401.27	$ 0.00749			$ 0.76621	$ 1,401.27	$ 0.00745			$ 0.76195
18	SC12-L2W		$ 1,401.27	$ 0.00949			$ 0.76621	$ 1,401.27	$ 0.00944			$ 0.76195
19												
20	SC13	SC13	$ 27.56	$ 0.03914				$ 27.56	$ 0.03914			
21	SC14	SC14										
22	NYSEG	NYSEG	$ 908.94	$ 0.03644			$ 0.57547	$ 931.96	$ 0.03760			$ 0.59381
23	SC9	SC9										
24	Rounding	Round										
25												

Case 17-G-0239
Appendix 3
Schedule 4.5
Page 2 of 3

Sch. 4.5

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Net Rates (Net of Tax Effect Credit and Surcredit)

Source: Sch. 4.4A

			Rate Year 4 Proposed Rates- NET				
Line	**Description**	**SC**	**Block 1 (CC)**	**Block 2**	**Block 3**	**Block 4**	**Demand**
1	SC1	SC1	$ 20.35	$ 0.55902	$ 0.09266		
2	SC2	SC2	$ 24.27	$ 0.35235	$ 0.20496	$ 0.06573	
3	SC3	SC3	$ 781.27	$ 0.11265			
4	SC5	SC5	$ 619.74	$ 0.08039			
5	SC6	SC6	$ -	$ -			
6	SC7	SC7	$ 361.27	$ 0.14982			
7	SC8	SC8	$ 1,270.53	$ 0.08209	$ 0.07724	$ 0.06666	
8	SC10	SC10	$ -	$ 0.60900			
9							
10	SC12-S1	SC12-S	$ 148.27	$ 0.04468			
11	SC12-S1W		$ 148.27	$ 0.05660			
12	SC12-S2		$ 466.54	$ 0.03982			
13	SC12-S2W		$ 466.54	$ 0.05044			
14							
15	SC12-L1	SC12-L	$ 1,401.27	$ 0.03712	$ 0.03183		
16	SC12-L1W		$ 1,401.27	$ 0.04702	$ 0.04031		
17	SC12-L2		$ 1,401.27	$ 0.00745			$ 0.76195
18	SC12-L2W		$ 1,401.27	$ 0.00944			$ 0.76195
19							
20	SC13	SC13	$ 27.56	$ 0.03914			
21	SC14	SC14					
22	NYSEG	NYSEG	$ 963.60	$ 0.03888			$ 0.61403
23	SC9	SC9					
24	Rounding	Round					
25							

Case 17-G-0239
Appendix 3
Schedule 4.5
Page 3 of 3

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 1 Residential Non-Heat and Heat
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$20.77	$20.77	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$20.77	$20.77	$0.00	0.00%
	3	$20.81	$20.78	($0.03)	-0.14%	$1.08	$1.06	($0.01)	-1%	$21.89	$21.85	($0.04)	-0.19%
	10	$23.67	$23.89	$0.21	0.90%	$3.58	$3.54	($0.04)	-1%	$27.26	$27.43	$0.17	0.62%
	15	$25.72	$26.10	$0.38	1.49%	$5.38	$5.31	($0.06)	-1%	$31.10	$31.42	$0.32	1.03%
	20	$27.76	$28.32	$0.56	2.00%	$7.17	$7.08	($0.08)	-1%	$34.93	$35.40	$0.47	1.35%
	25	$29.81	$30.54	$0.73	2.44%	$8.96	$8.85	($0.11)	-1%	$38.77	$39.39	$0.62	1.61%
	30	$31.85	$32.75	$0.90	2.83%	$10.75	$10.63	($0.13)	-1%	$42.60	$43.38	$0.77	1.82%
	40	$35.94	$37.19	$1.24	3.46%	$14.34	$14.17	($0.17)	-1%	$50.28	$51.35	$1.08	2.14%
	50	$40.03	$41.62	$1.59	3.97%	$17.92	$17.71	($0.21)	-1%	$57.95	$59.33	$1.38	2.38%
	60	$40.84	$42.41	$1.57	3.84%	$21.50	$21.25	($0.25)	-1%	$62.34	$63.66	$1.31	2.11%
	70	$41.65	$43.19	$1.54	3.71%	$25.09	$24.79	($0.30)	-1%	$66.74	$67.99	$1.25	1.87%
Average	77	$42.22	$43.75	$1.53	3.62%	$27.60	$27.27	($0.32)	-1%	$69.81	$71.02	$1.20	1.72%
	83	$42.70	$44.22	$1.52	3.55%	$29.75	$29.40	($0.35)	-1%	$72.45	$73.61	$1.17	1.61%
	120	$45.70	$47.13	$1.43	3.14%	$43.01	$42.50	($0.51)	-1%	$88.71	$89.63	$0.93	1.05%
	140	$47.32	$48.71	$1.39	2.94%	$50.18	$49.58	($0.59)	-1%	$97.49	$98.29	$0.80	0.82%
	160	$48.94	$50.28	$1.35	2.75%	$57.34	$56.67	($0.68)	-1%	$106.28	$106.95	$0.67	0.63%
	180	$50.56	$51.86	$1.30	2.58%	$64.51	$63.75	($0.76)	-1%	$115.07	$115.61	$0.54	0.47%
	200	$52.18	$53.43	$1.26	2.41%	$71.68	$70.84	($0.84)	-1%	$123.86	$124.27	$0.41	0.33%
	220	$53.80	$55.01	$1.21	2.26%	$78.85	$77.92	($0.93)	-1%	$132.64	$132.93	$0.29	0.22%
	250	$56.23	$57.37	$1.15	2.04%	$89.60	$88.54	($1.06)	-1%	$145.82	$145.92	$0.09	0.06%
	300	$60.27	$61.31	$1.04	1.72%	$107.52	$106.25	($1.27)	-1%	$167.79	$167.56	($0.23)	-0.14%
	400	$68.37	$69.19	$0.82	1.20%	$143.36	$141.67	($1.69)	-1%	$211.73	$210.86	($0.87)	-0.41%

Current		Proposed		Difference	Change
First 3 or Less	$20.35		$20.35	$0.00	0.00%
Next 47 Therms per Therm	$0.38520		$0.42819	$0.04	11.16%
Over 50 Therms per Therm	$0.06385		$0.07097	$0.01	11.15%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.002170		$0.002170	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.013905		$0.004626	($0.01)	-66.73%
Merchant Function Charge	$0.024418		$0.021278	($0.003)	-12.86%
Monthly Cost of Gas	$0.333980		$0.332900	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 1 Residential Non-Heat and Heat (Tier 1)
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$17.70	$17.70	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$17.70	$17.70	$0.00	0.00%
	3	$17.75	$17.72	($0.03)	-0.16%	$1.08	$1.06	($0.01)	-1%	$18.83	$18.79	($0.04)	-0.22%
	10	$20.61	$20.83	$0.21	1.03%	$3.58	$3.54	($0.04)	-1%	$24.20	$24.37	$0.17	0.70%
	15	$22.66	$23.04	$0.38	1.70%	$5.38	$5.31	($0.06)	-1%	$28.03	$28.36	$0.32	1.15%
	20	$24.70	$25.26	$0.56	2.25%	$7.17	$7.08	($0.08)	-1%	$31.87	$32.34	$0.47	1.48%
	25	$26.75	$27.48	$0.73	2.72%	$8.96	$8.85	($0.11)	-1%	$35.71	$36.33	$0.62	1.74%
	30	$28.79	$29.69	$0.90	3.13%	$10.75	$10.63	($0.13)	-1%	$39.54	$40.32	$0.77	1.96%
	40	$32.88	$34.12	$1.24	3.78%	$14.34	$14.17	($0.17)	-1%	$47.22	$48.29	$1.08	2.28%
	50	$36.97	$38.56	$1.59	4.30%	$17.92	$17.71	($0.21)	-1%	$54.89	$56.27	$1.38	2.51%
	60	$37.78	$39.35	$1.57	4.15%	$21.50	$21.25	($0.25)	-1%	$59.28	$60.60	$1.31	2.21%
	70	$38.59	$40.13	$1.54	4.00%	$25.09	$24.79	($0.30)	-1%	$63.68	$64.93	$1.25	1.96%
Average	90	$40.21	$41.71	$1.50	3.73%	$32.26	$31.88	($0.38)	-1%	$72.46	$73.58	$1.12	1.55%
	100	$41.02	$42.50	$1.48	3.60%	$35.84	$35.42	($0.42)	-1%	$76.86	$77.91	$1.06	1.37%
	120	$42.64	$44.07	$1.43	3.36%	$43.01	$42.50	($0.51)	-1%	$85.65	$86.57	$0.93	1.08%
	140	$44.26	$45.65	$1.39	3.14%	$50.18	$49.58	($0.59)	-1%	$94.43	$95.23	$0.80	0.85%
	160	$45.88	$47.22	$1.35	2.93%	$57.34	$56.67	($0.68)	-1%	$103.22	$103.89	$0.67	0.65%
	180	$47.50	$48.80	$1.30	2.74%	$64.51	$63.75	($0.76)	-1%	$112.01	$112.55	$0.54	0.48%
	200	$49.12	$50.37	$1.26	2.56%	$71.68	$70.84	($0.84)	-1%	$120.79	$121.21	$0.41	0.34%
	220	$50.73	$51.95	$1.21	2.39%	$78.85	$77.92	($0.93)	-1%	$129.58	$129.87	$0.29	0.22%
	250	$53.16	$54.31	$1.15	2.16%	$89.60	$88.54	($1.06)	-1%	$142.76	$142.86	$0.09	0.06%
	300	$57.21	$58.25	$1.04	1.81%	$107.52	$106.25	($1.27)	-1%	$164.73	$164.50	($0.23)	-0.14%
	400	$65.31	$66.13	$0.82	1.25%	$143.36	$141.67	($1.69)	-1%	$208.67	$207.80	($0.87)	-0.42%

Current		Proposed		Difference	Change
First 3 or Less	$17.35		$17.35	$0.00	0.00%
Next 47 Therms per Therm	$0.385200		$0.42819	$0.04	11.16%
Over 50 Therms per Therm	$0.063850		$0.07097	$0.01	11.15%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.002170		$0.002170	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.013905		$0.004626	($0.01)	-66.73%
Merchant Function Charge	$0.024418		$0.021278	($0.00)	-12.86%
Monthly Cost of Gas	$0.333980		$0.332900	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

The SC-1 low income bill impacts are using the Energy Affordability Credit of a $3 for a customer in the Tier 1 benefit level.
In accordance with the Order in Case 14-M-0465 issued February 17, 2017, there are five Energy Affordability Credit tiers.
The Heating customers Tiers : Tier 1: $3.00, Tier 2: $10.00, Tier 3: $29.00, Tier 4: $12.00, Tier 5: $3.00
The Non-Heating customers Tiers : Tier 1-Tier 5: $3.00

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Residential
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
	3	$24.33	$24.30	($0.03)	-0.11%	$1.02	$1.02	($0.00)	0%	$25.36	$25.32	($0.03)	-0.12%
	10	$26.56	$26.49	($0.07)	-0.28%	$3.41	$3.40	($0.01)	0%	$29.97	$29.88	($0.09)	-0.29%
	15	$28.15	$28.04	($0.11)	-0.39%	$5.12	$5.10	($0.02)	0%	$33.27	$33.14	($0.13)	-0.38%
	20	$29.74	$29.60	($0.14)	-0.48%	$6.82	$6.80	($0.02)	0%	$36.56	$36.40	($0.17)	-0.45%
	25	$31.34	$31.16	($0.18)	-0.56%	$8.53	$8.50	($0.03)	0%	$39.86	$39.66	($0.21)	-0.52%
	30	$32.93	$32.72	($0.21)	-0.64%	$10.23	$10.20	($0.04)	0%	$43.16	$42.91	($0.24)	-0.57%
	40	$36.11	$35.83	($0.28)	-0.77%	$13.64	$13.59	($0.05)	0%	$49.75	$49.43	($0.32)	-0.65%
	50	$39.29	$38.95	($0.34)	-0.88%	$17.05	$16.99	($0.06)	0%	$56.35	$55.94	($0.40)	-0.72%
	55	$40.89	$40.51	($0.38)	-0.92%	$18.76	$18.69	($0.06)	0%	$59.64	$59.20	($0.44)	-0.74%
	60	$42.48	$42.07	($0.41)	-0.97%	$20.46	$20.39	($0.07)	0%	$62.94	$62.46	($0.48)	-0.77%
	65	$44.07	$43.62	($0.45)	-1.01%	$22.17	$22.09	($0.08)	0%	$66.24	$65.71	($0.52)	-0.79%
	70	$45.66	$45.18	($0.48)	-1.05%	$23.87	$23.79	($0.08)	0%	$69.53	$68.97	($0.56)	-0.81%
	75	$47.25	$46.74	($0.51)	-1.08%	$25.58	$25.49	($0.09)	0%	$72.83	$72.23	($0.60)	-0.83%
	80	$48.84	$48.30	($0.55)	-1.12%	$27.28	$27.19	($0.09)	0%	$76.13	$75.49	($0.64)	-0.84%
	85	$50.43	$49.86	($0.58)	-1.15%	$28.99	$28.89	($0.10)	0%	$79.42	$78.74	($0.68)	-0.86%
	90	$52.03	$51.41	($0.61)	-1.18%	$30.69	$30.59	($0.11)	0%	$82.72	$82.00	($0.72)	-0.87%
	95	$53.62	$52.97	($0.65)	-1.21%	$32.40	$32.29	($0.11)	0%	$86.02	$85.26	($0.76)	-0.88%
	100	$55.21	$54.53	($0.68)	-1.23%	$34.10	$33.99	($0.12)	0%	$89.31	$88.51	($0.80)	-0.89%
Average	132	$65.40	$64.50	($0.90)	-1.37%	$45.02	$44.86	($0.16)	0%	$110.41	$109.36	($1.05)	-0.95%
	200	$87.04	$85.69	($1.35)	-1.55%	$68.21	$67.97	($0.24)	0%	$155.25	$153.66	($1.59)	-1.02%
	400	$135.77	$132.95	($2.83)	-2.08%	$136.42	$135.94	($0.47)	0%	$272.19	$268.89	($3.30)	-1.21%
	500	$155.16	$151.56	($3.61)	-2.32%	$170.52	$169.93	($0.59)	0%	$325.68	$321.49	($4.20)	-1.29%
	600	$174.55	$170.17	($4.39)	-2.51%	$204.62	$203.92	($0.71)	0%	$379.18	$374.08	($5.10)	-1.34%
	1,000	$252.11	$244.61	($7.51)	-2.98%	$341.04	$339.86	($1.18)	0%	$593.15	$584.47	($8.69)	-1.46%
	1,500	$349.06	$337.66	($11.41)	-3.27%	$511.56	$509.79	($1.77)	0%	$860.62	$847.44	($13.18)	-1.53%
	2,000	$446.01	$430.71	($15.31)	-3.43%	$682.08	$679.72	($2.36)	0%	$1,128.09	$1,110.42	($17.67)	-1.57%
	2,570	$556.53	$536.78	($19.75)	-3.55%	$876.47	$873.44	($3.04)	0%	$1,433.01	$1,410.22	($22.79)	-1.59%
	3,000	$639.91	$616.81	($23.10)	-3.61%	$1,023.12	$1,019.58	($3.54)	0%	$1,663.03	$1,636.38	($26.65)	-1.60%
	4,000	$833.81	$802.91	($30.90)	-3.71%	$1,364.16	$1,359.43	($4.73)	0%	$2,197.97	$2,162.34	($35.63)	-1.62%
	4,500	$930.76	$895.96	($34.80)	-3.74%	$1,534.68	$1,529.36	($5.32)	0%	$2,465.44	$2,425.32	($40.12)	-1.63%
	5,000	$1,027.71	$989.01	($38.70)	-3.77%	$1,705.20	$1,699.29	($5.91)	0%	$2,732.91	$2,688.30	($44.61)	-1.63%
	5,500	$1,065.88	$1,022.78	($43.10)	-4.04%	$1,875.72	$1,869.22	($6.50)	0%	$2,941.60	$2,892.00	($49.60)	-1.69%
	6,000	$1,104.06	$1,056.56	($47.50)	-4.30%	$2,046.24	$2,039.15	($7.09)	0%	$3,150.30	$3,095.71	($54.59)	-1.73%
	7,000	$1,180.41	$1,124.10	($56.30)	-4.77%	$2,387.28	$2,379.01	($8.27)	0%	$3,567.69	$3,503.12	($64.57)	-1.81%
	8,000	$1,256.75	$1,191.65	($65.10)	-5.18%	$2,728.32	$2,718.87	($9.45)	0%	$3,985.08	$3,910.52	($74.55)	-1.87%
	9,000	$1,333.10	$1,259.20	($73.90)	-5.54%	$3,069.36	$3,058.73	($10.63)	0%	$4,402.46	$4,317.93	($84.53)	-1.92%
	10,000	$1,409.45	$1,326.75	($82.70)	-5.87%	$3,410.40	$3,398.59	($11.81)	0%	$4,819.85	$4,725.34	($94.51)	-1.96%

Current		Proposed		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.297440		$0.299990	$0.00	0.86%
Next 4,720 Therms per Therm	$0.173020		$0.174500	$0.00	0.86%
Over 5,000 Therms per Therm	$0.055470		$0.055950	$0.00	0.87%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.009260		$0.009260	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Merchant Function Charge	$0.009750		$0.009649	($0.00)	-1.04%
Monthly Cost of Gas	$0.331290		$0.330210	($0.00)	-0.33%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Commercial
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
	3	$24.22	$24.19	($0.03)	-0.11%	$1.02	$1.02	($0.00)	0%	$25.24	$25.21	($0.03)	-0.12%
	10	$26.19	$26.11	($0.07)	-0.29%	$3.41	$3.40	($0.01)	0%	$29.60	$29.51	($0.09)	-0.29%
	15	$27.59	$27.49	($0.11)	-0.39%	$5.12	$5.10	($0.02)	0%	$32.71	$32.58	($0.13)	-0.39%
	20	$29.00	$28.86	($0.14)	-0.49%	$6.82	$6.80	($0.02)	0%	$35.82	$35.66	($0.17)	-0.46%
	25	$30.41	$30.23	($0.18)	-0.58%	$8.53	$8.50	($0.03)	0%	$38.93	$38.73	($0.21)	-0.53%
	30	$31.81	$31.60	($0.21)	-0.66%	$10.23	$10.20	($0.04)	0%	$42.04	$41.80	($0.24)	-0.58%
	40	$34.62	$34.35	($0.28)	-0.80%	$13.64	$13.59	($0.05)	0%	$48.27	$47.94	($0.32)	-0.67%
	50	$37.44	$37.09	($0.34)	-0.92%	$17.05	$16.99	($0.06)	0%	$54.49	$54.08	($0.40)	-0.74%
	60	$40.25	$39.84	($0.41)	-1.02%	$20.46	$20.39	($0.07)	0%	$60.71	$60.23	($0.48)	-0.79%
	70	$43.06	$42.58	($0.48)	-1.11%	$23.87	$23.79	($0.08)	0%	$66.93	$66.37	($0.56)	-0.84%
	80	$45.87	$45.32	($0.55)	-1.19%	$27.28	$27.19	($0.09)	0%	$73.15	$72.51	($0.64)	-0.88%
	100	$51.49	$50.81	($0.68)	-1.32%	$34.10	$33.99	($0.12)	0%	$85.60	$84.80	($0.80)	-0.93%
	120	$57.12	$56.30	($0.82)	-1.43%	$40.92	$40.78	($0.14)	0%	$98.04	$97.08	($0.96)	-0.98%
	140	$62.74	$61.79	($0.95)	-1.51%	$47.75	$47.58	($0.17)	0%	$110.48	$109.37	($1.12)	-1.01%
	160	$68.36	$67.28	($1.08)	-1.59%	$54.57	$54.38	($0.19)	0%	$122.93	$121.65	($1.27)	-1.04%
	180	$73.98	$72.77	($1.22)	-1.65%	$61.39	$61.17	($0.21)	0%	$135.37	$133.94	($1.43)	-1.06%
	200	$79.61	$78.25	($1.35)	-1.70%	$68.21	$67.97	($0.24)	0%	$147.82	$146.23	($1.59)	-1.08%
	250	$93.66	$91.97	($1.69)	-1.80%	$85.26	$84.96	($0.30)	0%	$178.92	$176.94	($1.99)	-1.11%
	300	$105.23	$103.19	($2.05)	-1.95%	$102.31	$101.96	($0.35)	0%	$207.55	$205.14	($2.40)	-1.16%
Average	389	$119.18	$116.44	($2.74)	-2.30%	$132.66	$132.21	($0.46)	0%	$251.85	$248.65	($3.20)	-1.27%
	400	$120.91	$118.08	($2.83)	-2.34%	$136.42	$135.94	($0.47)	0%	$257.32	$254.02	($3.30)	-1.28%
	500	$136.58	$132.97	($3.61)	-2.64%	$170.52	$169.93	($0.59)	0%	$307.10	$302.90	($4.20)	-1.37%
	600	$152.25	$147.87	($4.39)	-2.88%	$204.62	$203.92	($0.71)	0%	$356.88	$351.78	($5.10)	-1.43%
	1,000	$214.94	$207.44	($7.51)	-3.49%	$341.04	$339.86	($1.18)	0%	$555.98	$547.30	($8.69)	-1.56%
	1,500	$293.31	$281.90	($11.41)	-3.89%	$511.56	$509.79	($1.77)	0%	$804.87	$791.69	($13.18)	-1.64%
	2,000	$371.67	$356.37	($15.31)	-4.12%	$682.08	$679.72	($2.36)	0%	$1,053.75	$1,036.08	($17.67)	-1.68%
	2,570	$461.01	$441.26	($19.75)	-4.28%	$876.47	$873.44	($3.04)	0%	$1,337.48	$1,314.69	($22.79)	-1.70%
	3,000	$528.40	$505.30	($23.10)	-4.37%	$1,023.12	$1,019.58	($3.54)	0%	$1,551.52	$1,524.87	($26.65)	-1.72%
	4,000	$685.13	$654.23	($30.90)	-4.51%	$1,364.16	$1,359.43	($4.73)	0%	$2,049.29	$2,013.66	($35.63)	-1.74%
	4,500	$763.49	$728.69	($34.80)	-4.56%	$1,534.68	$1,529.36	($5.32)	0%	$2,298.17	$2,258.05	($40.12)	-1.75%
	5,000	$841.86	$803.16	($38.70)	-4.60%	$1,705.20	$1,699.29	($5.91)	0%	$2,547.06	$2,502.45	($44.61)	-1.75%
	5,500	$861.45	$818.35	($43.10)	-5.00%	$1,875.72	$1,869.22	($6.50)	0%	$2,737.17	$2,687.57	($49.60)	-1.81%
	6,000	$881.04	$833.54	($47.50)	-5.39%	$2,046.24	$2,039.15	($7.09)	0%	$2,927.28	$2,872.69	($54.59)	-1.86%
	7,000	$920.22	$863.91	($56.30)	-6.12%	$2,387.28	$2,379.01	($8.27)	0%	$3,307.50	$3,242.93	($64.57)	-1.95%
	8,000	$959.39	$894.29	($65.10)	-6.79%	$2,728.32	$2,718.87	($9.45)	0%	$3,687.72	$3,613.16	($74.55)	-2.02%
	9,000	$998.57	$924.67	($73.90)	-7.40%	$3,069.36	$3,058.73	($10.63)	0%	$4,067.93	$3,983.40	($84.53)	-2.08%
	10,000	$1,037.75	$955.05	($82.70)	-7.97%	$3,410.40	$3,398.59	($11.81)	0%	$4,448.15	$4,353.64	($94.51)	-2.12%

Current		Proposed		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.297440		$0.299990	$0.00	0.86%
Next 4,720 Therms per Therm	$0.173020		$0.174500	$0.00	0.86%
Over 5,000 Therms per Therm	$0.055470		$0.055950	$0.00	0.87%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	-$0.027910		-$0.027910	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Merchant Function Charge	$0.009750		$0.009649	($0.00)	-1.04%
Monthly Cost of Gas	$0.331290		$0.330210	($0.00)	-0.33%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Industrial
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

	Delivery				Commodity				Total			
Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
3	$24.29	$24.26	($0.03)	-0.11%	$1.02	$1.02	($0.00)	0%	$25.31	$25.28	($0.03)	-0.12%
10	$26.41	$26.33	($0.07)	-0.28%	$3.41	$3.40	($0.01)	0%	$29.82	$29.73	($0.09)	-0.29%
15	$27.92	$27.81	($0.11)	-0.39%	$5.12	$5.10	($0.02)	0%	$33.03	$32.91	($0.13)	-0.38%
20	$29.43	$29.29	($0.14)	-0.48%	$6.82	$6.80	($0.02)	0%	$36.25	$36.09	($0.17)	-0.46%
25	$30.95	$30.77	($0.18)	-0.57%	$8.53	$8.50	($0.03)	0%	$39.47	$39.27	($0.21)	-0.52%
30	$32.46	$32.25	($0.21)	-0.65%	$10.23	$10.20	($0.04)	0%	$42.69	$42.45	($0.24)	-0.57%
40	$35.49	$35.21	($0.28)	-0.78%	$13.64	$13.59	($0.05)	0%	$49.13	$48.81	($0.32)	-0.66%
50	$38.52	$38.17	($0.34)	-0.89%	$17.05	$16.99	($0.06)	0%	$55.57	$55.16	($0.40)	-0.73%
60	$41.54	$41.13	($0.41)	-0.99%	$20.46	$20.39	($0.07)	0%	$62.01	$61.52	($0.48)	-0.78%
70	$44.57	$44.09	($0.48)	-1.07%	$23.87	$23.79	($0.08)	0%	$68.44	$67.88	($0.56)	-0.82%
80	$47.60	$47.05	($0.55)	-1.15%	$27.28	$27.19	($0.09)	0%	$74.88	$74.24	($0.64)	-0.86%
100	$53.65	$52.97	($0.68)	-1.27%	$34.10	$33.99	($0.12)	0%	$87.76	$86.96	($0.80)	-0.91%
120	$59.71	$58.89	($0.82)	-1.37%	$40.92	$40.78	($0.14)	0%	$100.63	$99.68	($0.96)	-0.95%
140	$65.76	$64.81	($0.95)	-1.44%	$47.75	$47.58	($0.17)	0%	$113.51	$112.39	($1.12)	-0.98%
160	$71.82	$70.73	($1.08)	-1.51%	$54.57	$54.38	($0.19)	0%	$126.39	$125.11	($1.27)	-1.01%
180	$77.87	$76.66	($1.22)	-1.57%	$61.39	$61.17	($0.21)	0%	$139.26	$137.83	($1.43)	-1.03%
200	$83.93	$82.58	($1.35)	-1.61%	$68.21	$67.97	($0.24)	0%	$152.14	$150.55	($1.59)	-1.04%
250	$99.07	$97.38	($1.69)	-1.71%	$85.26	$84.96	($0.30)	0%	$184.33	$182.34	($1.99)	-1.08%
300	$111.72	$109.67	($2.05)	-1.83%	$102.31	$101.96	($0.35)	0%	$214.03	$211.63	($2.40)	-1.12%
350	$120.63	$118.20	($2.44)	-2.02%	$119.36	$118.95	($0.41)	0%	$240.00	$237.15	($2.85)	-1.19%
400	$129.55	$126.72	($2.83)	-2.18%	$136.42	$135.94	($0.47)	0%	$265.97	$262.67	($3.30)	-1.24%
500	$147.38	$143.78	($3.61)	-2.45%	$170.52	$169.93	($0.59)	0%	$317.90	$313.71	($4.20)	-1.32%
600	$165.22	$160.83	($4.39)	-2.66%	$204.62	$203.92	($0.71)	0%	$369.84	$364.75	($5.10)	-1.38%
Average 1,555	$335.53	$323.70	($11.84)	-3.53%	$530.32	$528.48	($1.84)	0%	$865.85	$852.18	($13.67)	-1.58%
1,750	$370.31	$356.95	($13.36)	-3.61%	$596.82	$594.75	($2.07)	0%	$967.13	$951.70	($15.42)	-1.59%
2,000	$414.89	$399.59	($15.31)	-3.69%	$682.08	$679.72	($2.36)	0%	$1,096.97	$1,079.30	($17.67)	-1.61%
2,570	$516.55	$496.79	($19.75)	-3.82%	$876.47	$873.44	($3.04)	0%	$1,393.02	$1,370.23	($22.79)	-1.64%
3,000	$593.23	$570.13	($23.10)	-3.89%	$1,023.12	$1,019.58	($3.54)	0%	$1,616.35	$1,589.70	($26.65)	-1.65%
4,000	$771.57	$740.67	($30.90)	-4.01%	$1,364.16	$1,359.43	($4.73)	0%	$2,135.73	$2,100.10	($35.63)	-1.67%
4,500	$860.74	$825.94	($34.80)	-4.04%	$1,534.68	$1,529.36	($5.32)	0%	$2,395.42	$2,355.30	($40.12)	-1.67%
5,000	$949.91	$911.21	($38.70)	-4.07%	$1,705.20	$1,699.29	($5.91)	0%	$2,655.11	$2,610.50	($44.61)	-1.68%
5,500	$980.30	$937.20	($43.10)	-4.40%	$1,875.72	$1,869.22	($6.50)	0%	$2,856.02	$2,806.42	($49.60)	-1.74%
6,000	$1,010.70	$963.20	($47.50)	-4.70%	$2,046.24	$2,039.15	($7.09)	0%	$3,056.94	$3,002.35	($54.59)	-1.79%
7,000	$1,071.49	$1,015.18	($56.30)	-5.25%	$2,387.28	$2,379.01	($8.27)	0%	$3,458.77	$3,394.20	($64.57)	-1.87%
8,000	$1,132.27	$1,067.17	($65.10)	-5.75%	$2,728.32	$2,718.87	($9.45)	0%	$3,860.60	$3,786.04	($74.55)	-1.93%
9,000	$1,193.06	$1,119.16	($73.90)	-6.19%	$3,069.36	$3,058.73	($10.63)	0%	$4,262.42	$4,177.89	($84.53)	-1.98%
10,000	$1,253.85	$1,171.15	($82.70)	-6.60%	$3,410.40	$3,398.59	($11.81)	0%	$4,664.25	$4,569.74	($94.51)	-2.03%

Current		Proposed		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.297440		$0.299990	$0.00	0.86%
Next 4,720 Therms per Therm	$0.173020		$0.174500	$0.00	0.86%
Over 5,000 Therms per Therm	$0.055470		$0.055950	$0.00	0.87%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	-$0.006300		-$0.006300	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Merchant Function Charge	$0.009750		$0.009649	($0.00)	-1.04%
Monthly Cost of Gas	$0.331290		$0.330210	($0.00)	-0.33%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 3 Large General Gas Supply
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	5,000	$839.36	$792.97	($46.39)	-5.53%	$1,618.83	$1,613.03	($5.80)	-0.36%	$2,458.20	$2,406.00	($52.20)	-2.12%
	6,000	$947.77	$889.07	($58.70)	-6.19%	$1,942.60	$1,935.64	($6.96)	-0.36%	$2,890.37	$2,824.70	($65.67)	-2.27%
	7,000	$1,056.18	$985.17	($71.01)	-6.72%	$2,266.37	$2,258.24	($8.12)	-0.36%	$3,322.55	$3,243.41	($79.14)	-2.38%
	8,000	$1,164.59	$1,081.27	($83.32)	-7.15%	$2,590.13	$2,580.85	($9.28)	-0.36%	$3,754.72	$3,662.11	($92.61)	-2.47%
	9,000	$1,273.00	$1,177.37	($95.63)	-7.51%	$2,913.90	$2,903.45	($10.45)	-0.36%	$4,186.90	$4,080.82	($106.08)	-2.53%
	10,000	$1,381.41	$1,273.47	($107.94)	-7.81%	$3,237.66	$3,226.06	($11.61)	-0.36%	$4,619.07	$4,499.53	($119.55)	-2.59%
	11,000	$1,489.81	$1,369.57	($120.25)	-8.07%	$3,561.43	$3,548.66	($12.77)	-0.36%	$5,051.25	$4,918.23	($133.01)	-2.63%
	12,000	$1,598.22	$1,465.67	($132.56)	-8.29%	$3,885.20	$3,871.27	($13.93)	-0.36%	$5,483.42	$5,336.94	($146.48)	-2.67%
	13,000	$1,706.63	$1,561.77	($144.87)	-8.49%	$4,208.96	$4,193.88	($15.09)	-0.36%	$5,915.60	$5,755.64	($159.95)	-2.70%
	15,000	$1,923.45	$1,753.97	($169.48)	-8.81%	$4,856.50	$4,839.09	($17.41)	-0.36%	$6,779.95	$6,593.05	($186.89)	-2.76%
Average	19,995	$2,464.95	$2,233.98	($230.97)	-9.37%	$6,473.71	$6,450.50	($23.21)	-0.36%	$8,938.66	$8,684.49	($254.17)	-2.84%
	20,000	$2,465.49	$2,234.46	($231.03)	-9.37%	$6,475.33	$6,452.12	($23.21)	-0.36%	$8,940.82	$8,686.58	($254.24)	-2.84%
	21,000	$2,573.90	$2,330.56	($243.34)	-9.45%	$6,799.10	$6,774.72	($24.37)	-0.36%	$9,373.00	$9,105.29	($267.71)	-2.86%
	24,000	$2,899.13	$2,618.86	($280.26)	-9.67%	$7,770.39	$7,742.54	($27.85)	-0.36%	$10,669.52	$10,361.40	($308.12)	-2.89%
	27,000	$3,224.35	$2,907.16	($317.19)	-9.84%	$8,741.69	$8,710.36	($31.34)	-0.36%	$11,966.05	$11,617.52	($348.53)	-2.91%
	30,000	$3,549.58	$3,195.46	($354.12)	-9.98%	$9,712.99	$9,678.18	($34.82)	-0.36%	$13,262.57	$12,873.64	($388.94)	-2.93%
	35,000	$4,091.62	$3,675.96	($415.66)	-10.16%	$11,331.83	$11,291.20	($40.62)	-0.36%	$15,423.45	$14,967.16	($456.28)	-2.96%
	40,000	$4,633.66	$4,156.46	($477.21)	-10.30%	$12,950.66	$12,904.23	($46.42)	-0.36%	$17,584.32	$17,060.69	($523.63)	-2.98%
	45,000	$5,175.71	$4,636.96	($538.75)	-10.41%	$14,569.49	$14,517.26	($52.23)	-0.36%	$19,745.20	$19,154.22	($590.98)	-2.99%
	50,000	$5,717.75	$5,117.45	($600.30)	-10.50%	$16,188.32	$16,130.29	($58.03)	-0.36%	$21,906.07	$21,247.75	($658.33)	-3.01%
	60,000	$6,801.84	$6,078.45	($723.38)	-10.64%	$19,425.99	$19,356.35	($69.64)	-0.36%	$26,227.82	$25,434.80	($793.02)	-3.02%
	70,000	$7,885.92	$7,039.45	($846.47)	-10.73%	$22,663.65	$22,582.41	($81.24)	-0.36%	$30,549.57	$29,621.86	($927.72)	-3.04%

Current		Proposed		Difference	Change
First 5,000 or Less	$781.27		$781.27	$0.00	0.00%
Over 5,000 Therms per Therm	$0.096790		$0.093760	($0.00)	-3.13%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Merchant Function Charge	$0.009556		$0.009416	($0.00)	-1.47%
Monthly Cost of Gas	$0.314210		$0.313190	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 5 Firm Gas Transportation
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

	Therm Usage	Delivery			
		Current	Proposed	Difference	Change
	100	$523.55	$555.06	$31.52	6.02%
	500	$553.99	$584.84	$30.85	5.57%
	1,000	$592.05	$622.07	$30.02	5.07%
	5,000	$896.53	$919.87	$23.34	2.60%
	10,000	$1,277.12	$1,292.12	$15.00	1.17%
	15,000	$1,657.71	$1,664.36	$6.65	0.40%
	20,000	$2,038.31	$2,036.61	($1.69)	-0.08%
	25,000	$2,418.90	$2,408.86	($10.04)	-0.41%
	30,000	$2,799.49	$2,781.11	($18.38)	-0.66%
Average	42,274	$3,733.77	$3,694.90	($38.87)	-1.04%
	44,000	$3,865.15	$3,823.40	($41.75)	-1.08%
	45,000	$3,941.27	$3,897.85	($43.42)	-1.10%
	50,000	$4,321.86	$4,270.10	($51.76)	-1.20%
	55,000	$4,702.46	$4,642.35	($60.10)	-1.28%
	60,000	$5,083.05	$5,014.60	($68.45)	-1.35%
	65,000	$5,463.64	$5,386.85	($76.79)	-1.41%
	70,000	$5,844.24	$5,759.10	($85.14)	-1.46%
	75,000	$6,224.83	$6,131.34	($93.48)	-1.50%
	80,000	$6,605.42	$6,503.59	($101.83)	-1.54%
	85,000	$6,986.01	$6,875.84	($110.17)	-1.58%
	90,000	$7,366.61	$7,248.09	($118.52)	-1.61%
	95,000	$7,747.20	$7,620.34	($126.86)	-1.64%

Current		Proposed		Difference	Change
First 100 or Less	$522.38		$554.83	$32.45	6.21%
Over 100 Therms per Therm	$0.064500		$0.072110	$0.01	11.80%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 7 Small Volume Firm Gas Transportation
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery			
	Therm Usage	Current	Proposed	Difference	Change
	2,100	$387.29	$367.80	($19.49)	-5.03%
	2,500	$439.83	$419.63	($20.19)	-4.59%
	3,100	$518.63	$497.38	($21.25)	-4.10%
	3,500	$571.17	$549.21	($21.96)	-3.85%
	4,100	$649.98	$626.96	($23.02)	-3.54%
	4,500	$702.52	$678.79	($23.73)	-3.38%
	5,100	$781.33	$756.54	($24.79)	-3.17%
	5,500	$833.87	$808.37	($25.50)	-3.06%
	6,100	$912.68	$886.12	($26.56)	-2.91%
Average	7,610	$1,111.02	$1,081.78	($29.23)	-2.63%
	7,700	$1,122.84	$1,093.45	($29.39)	-2.62%
	8,000	$1,162.24	$1,132.32	($29.92)	-2.57%
	8,100	$1,175.38	$1,145.28	($30.10)	-2.56%
	8,500	$1,227.92	$1,197.11	($30.81)	-2.51%
	9,100	$1,306.73	$1,274.86	($31.87)	-2.44%
	9,500	$1,359.27	$1,326.69	($32.58)	-2.40%
	10,000	$1,424.94	$1,391.48	($33.46)	-2.35%
	20,000	$2,738.43	$2,687.28	($51.15)	-1.87%
	30,000	$4,051.91	$3,983.07	($68.84)	-1.70%
	40,000	$5,365.40	$5,278.87	($86.53)	-1.61%
	50,000	$6,678.88	$6,574.67	($104.22)	-1.56%
	60,000	$7,992.37	$7,870.46	($121.91)	-1.53%

Current		Proposed		Difference	Change
First 2,100 or Less	$361.27		$361.27	$0.00	0.00%
Over 2,100 Therms per Therm	$0.118960		$0.126470	$0.01	6.31%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000200		$0.000200	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 8 Gas Transportation Service with Standby Sales
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

	Therm Usage	Delivery			
		Current	Proposed	Difference	Change
	100	$925.20	$1,039.77	$114.57	12.38%
	500	$956.13	$1,069.85	$113.72	11.89%
	1,000	$994.78	$1,107.44	$112.66	11.33%
	5,000	$1,304.02	$1,408.20	$104.19	7.99%
	10,000	$1,690.56	$1,784.15	$93.59	5.54%
	50,000	$4,782.90	$4,791.74	$8.84	0.18%
	100,000	$8,648.33	$8,551.22	($97.11)	-1.12%
	200,000	$15,992.19	$15,641.19	($351.00)	-2.19%
Average	327,759	$25,374.63	$24,699.26	($675.37)	-2.66%
	330,000	$25,539.21	$24,858.15	($681.06)	-2.67%
	345,000	$26,640.79	$25,921.64	($719.14)	-2.70%
	350,000	$27,007.98	$26,276.14	($731.84)	-2.71%
	400,000	$30,679.91	$29,821.13	($858.78)	-2.80%
	450,000	$34,351.84	$33,366.11	($985.73)	-2.87%
	500,000	$38,023.77	$36,911.09	($1,112.68)	-2.93%
	550,000	$41,271.20	$39,985.58	($1,285.62)	-3.12%
	600,000	$44,518.63	$43,060.06	($1,458.57)	-3.28%
	650,000	$47,766.06	$46,134.55	($1,631.51)	-3.42%
	700,000	$51,013.49	$49,209.03	($1,804.46)	-3.54%
	750,000	$54,260.92	$52,283.51	($1,977.40)	-3.64%
	800,000	$57,508.35	$55,358.00	($2,150.35)	-3.74%
	850,000	$60,755.78	$58,432.48	($2,323.30)	-3.82%

Current		Proposed		Difference	Change
First 100 or Less	$924.04		$1,039.54	$115.50	12.50%
Next 99,900 Therms per Therm	$0.065690		$0.072850	$0.01	10.90%
Next 400,000 Therms per Therm	$0.061820		$0.068560	$0.01	10.90%
Over 500,000 Therms per Therm	$0.053330		$0.059150	$0.01	10.91%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.012189		$0.002910	($0.01)	-76.13%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Summer)
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$148.27	$148.27	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$148.27	$148.27	$0.00	0.00%
	3	$148.27	$148.27	$0.00	0.00%	$0.92	$0.92	($0.00)	-0.11%	$149.19	$149.19	($0.00)	0.00%
	100	$153.13	$152.57	($0.57)	-0.37%	$30.75	$30.72	($0.04)	-0.11%	$183.89	$183.29	($0.60)	-0.33%
	300	$163.17	$161.43	($1.73)	-1.06%	$92.26	$92.15	($0.11)	-0.11%	$255.43	$253.59	($1.84)	-0.72%
	500	$173.20	$170.30	($2.90)	-1.68%	$153.76	$153.59	($0.18)	-0.11%	$326.97	$323.89	($3.08)	-0.94%
	700	$183.24	$179.17	($4.07)	-2.22%	$215.27	$215.02	($0.25)	-0.11%	$398.50	$394.19	($4.32)	-1.08%
	900	$193.27	$188.03	($5.24)	-2.71%	$276.77	$276.46	($0.32)	-0.11%	$470.04	$464.49	($5.56)	-1.18%
	1,000	$198.29	$192.47	($5.82)	-2.94%	$307.52	$307.17	($0.35)	-0.11%	$505.81	$499.64	($6.17)	-1.22%
	1,500	$223.37	$214.63	($8.74)	-3.91%	$461.29	$460.76	($0.53)	-0.11%	$684.66	$675.39	($9.27)	-1.35%
Average	2,638	$280.47	$265.08	($15.39)	-5.49%	$811.25	$810.32	($0.93)	-0.11%	$1,091.72	$1,075.40	($16.32)	-1.49%
	5,000	$398.97	$369.79	($29.18)	-7.31%	$1,537.62	$1,535.86	($1.76)	-0.11%	$1,936.59	$1,905.65	($30.94)	-1.60%
	9,000	$599.65	$547.11	($52.54)	-8.76%	$2,767.72	$2,764.55	($3.17)	-0.11%	$3,367.37	$3,311.66	($55.71)	-1.65%
	10,000	$649.82	$591.44	($58.38)	-8.98%	$3,075.25	$3,071.72	($3.52)	-0.11%	$3,725.06	$3,663.16	($61.91)	-1.66%
	11,000	$699.99	$635.77	($64.22)	-9.17%	$3,382.77	$3,378.90	($3.88)	-0.11%	$4,082.76	$4,014.66	($68.10)	-1.67%
	12,000	$750.16	$680.10	($70.06)	-9.34%	$3,690.30	$3,686.07	($4.23)	-0.11%	$4,440.45	$4,366.16	($74.29)	-1.67%
	13,000	$800.33	$724.43	($75.90)	-9.48%	$3,997.82	$3,993.24	($4.58)	-0.11%	$4,798.15	$4,717.67	($80.48)	-1.68%
	14,000	$850.50	$768.76	($81.74)	-9.61%	$4,305.35	$4,300.41	($4.93)	-0.11%	$5,155.84	$5,069.17	($86.68)	-1.68%
	15,000	$900.67	$813.09	($87.58)	-9.72%	$4,612.87	$4,607.59	($5.29)	-0.11%	$5,513.54	$5,420.67	($92.87)	-1.68%
	16,000	$950.84	$857.42	($93.42)	-9.83%	$4,920.40	$4,914.76	($5.64)	-0.11%	$5,871.23	$5,772.17	($99.06)	-1.69%
	17,000	$1,001.01	$901.75	($99.26)	-9.92%	$5,227.92	$5,221.93	($5.99)	-0.11%	$6,228.93	$6,123.68	($105.25)	-1.69%
	18,000	$1,051.18	$946.08	($105.10)	-10.00%	$5,535.44	$5,529.10	($6.34)	-0.11%	$6,586.62	$6,475.18	($111.45)	-1.69%
	19,000	$1,101.35	$990.41	($110.94)	-10.07%	$5,842.97	$5,836.27	($6.70)	-0.11%	$6,944.32	$6,826.68	($117.64)	-1.69%
	20,000	$1,151.52	$1,034.74	($116.78)	-10.14%	$6,150.49	$6,143.45	($7.05)	-0.11%	$7,302.01	$7,178.18	($123.83)	-1.70%
	21,000	$1,201.69	$1,079.07	($122.62)	-10.20%	$6,458.02	$6,450.62	($7.40)	-0.11%	$7,659.71	$7,529.68	($130.02)	-1.70%
	22,000	$1,251.86	$1,123.40	($128.46)	-10.26%	$6,765.54	$6,757.79	($7.75)	-0.11%	$8,017.40	$7,881.19	($136.21)	-1.70%
	23,000	$1,302.03	$1,167.73	($134.30)	-10.31%	$7,073.07	$7,064.96	($8.10)	-0.11%	$8,375.10	$8,232.69	($142.41)	-1.70%
	24,000	$1,352.20	$1,212.06	($140.14)	-10.36%	$7,380.59	$7,372.14	($8.46)	-0.11%	$8,732.79	$8,584.19	($148.60)	-1.70%

Current		Proposed		Difference	Change
First 3 or Less	$148.27		$148.27	$0.00	0.00%
Over 3 Therms per Therm	$0.050740		$0.044900	($0.01)	-11.51%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008595		$0.009202	$0.00	7.07%
Monthly Cost of Gas	$0.298930		$0.297970	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter)
Rate Year One (Current vs. Proposed)

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$148.27	$148.27	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$148.27	$148.27	$0.00	0.00%
	3	$148.27	$148.27	$0.00	0.00%	$0.92	$0.92	($0.00)	-0.11%	$149.19	$149.19	($0.00)	0.00%
	100	$154.45	$153.73	($0.72)	-0.47%	$30.75	$30.72	($0.04)	-0.11%	$185.20	$184.45	($0.75)	-0.41%
	300	$167.19	$164.99	($2.20)	-1.32%	$92.26	$92.15	($0.11)	-0.11%	$259.45	$257.14	($2.31)	-0.89%
	500	$179.94	$176.25	($3.68)	-2.05%	$153.76	$153.59	($0.18)	-0.11%	$333.70	$329.84	($3.86)	-1.16%
	700	$192.68	$187.52	($5.16)	-2.68%	$215.27	$215.02	($0.25)	-0.11%	$407.95	$402.54	($5.41)	-1.33%
	900	$205.43	$198.78	($6.65)	-3.24%	$276.77	$276.46	($0.32)	-0.11%	$482.20	$475.23	($6.96)	-1.44%
	1,000	$211.80	$204.41	($7.39)	-3.49%	$307.52	$307.17	($0.35)	-0.11%	$519.32	$511.58	($7.74)	-1.49%
	1,500	$243.66	$232.56	($11.09)	-4.55%	$461.29	$460.76	($0.53)	-0.11%	$704.94	$693.32	($11.62)	-1.65%
Average	2,638	$316.17	$296.65	($19.53)	-6.18%	$811.25	$810.32	($0.93)	-0.11%	$1,127.42	$1,106.97	($20.45)	-1.81%
	5,000	$466.68	$429.65	($37.03)	-7.93%	$1,537.62	$1,535.86	($1.76)	-0.11%	$2,004.30	$1,965.51	($38.79)	-1.94%
	9,000	$721.56	$654.89	($66.67)	-9.24%	$2,767.72	$2,764.55	($3.17)	-0.11%	$3,489.28	$3,419.44	($69.84)	-2.00%
	10,000	$785.28	$711.20	($74.08)	-9.43%	$3,075.25	$3,071.72	($3.52)	-0.11%	$3,860.52	$3,782.92	($77.60)	-2.01%
	11,000	$849.00	$767.51	($81.49)	-9.60%	$3,382.77	$3,378.90	($3.88)	-0.11%	$4,231.77	$4,146.41	($85.36)	-2.02%
	12,000	$912.72	$823.82	($88.90)	-9.74%	$3,690.30	$3,686.07	($4.23)	-0.11%	$4,603.01	$4,509.89	($93.13)	-2.02%
	13,000	$976.44	$880.13	($96.31)	-9.86%	$3,997.82	$3,993.24	($4.58)	-0.11%	$4,974.26	$4,873.37	($100.89)	-2.03%
	14,000	$1,040.16	$936.44	($103.72)	-9.97%	$4,305.35	$4,300.41	($4.93)	-0.11%	$5,345.50	$5,236.85	($108.65)	-2.03%
	15,000	$1,103.88	$992.75	($111.13)	-10.07%	$4,612.87	$4,607.59	($5.29)	-0.11%	$5,716.75	$5,600.33	($116.41)	-2.04%
	16,000	$1,167.60	$1,049.06	($118.54)	-10.15%	$4,920.40	$4,914.76	($5.64)	-0.11%	$6,087.99	$5,963.82	($124.18)	-2.04%
	17,000	$1,231.32	$1,105.37	($125.95)	-10.23%	$5,227.92	$5,221.93	($5.99)	-0.11%	$6,459.24	$6,327.30	($131.94)	-2.04%
	18,000	$1,295.04	$1,161.68	($133.36)	-10.30%	$5,535.44	$5,529.10	($6.34)	-0.11%	$6,830.48	$6,690.78	($139.70)	-2.05%
	19,000	$1,358.76	$1,217.99	($140.77)	-10.36%	$5,842.97	$5,836.27	($6.70)	-0.11%	$7,201.73	$7,054.26	($147.46)	-2.05%
	20,000	$1,422.48	$1,274.30	($148.18)	-10.42%	$6,150.49	$6,143.45	($7.05)	-0.11%	$7,572.97	$7,417.75	($155.23)	-2.05%
	21,000	$1,486.20	$1,330.61	($155.59)	-10.47%	$6,458.02	$6,450.62	($7.40)	-0.11%	$7,944.22	$7,781.23	($162.99)	-2.05%
	22,000	$1,549.92	$1,386.92	($163.00)	-10.52%	$6,765.54	$6,757.79	($7.75)	-0.11%	$8,315.46	$8,144.71	($170.75)	-2.05%
	23,000	$1,613.64	$1,443.23	($170.41)	-10.56%	$7,073.07	$7,064.96	($8.10)	-0.11%	$8,686.71	$8,508.19	($178.51)	-2.06%
	24,000	$1,677.36	$1,499.54	($177.82)	-10.60%	$7,380.59	$7,372.14	($8.46)	-0.11%	$9,057.95	$8,871.68	($186.27)	-2.06%

Current		Proposed		Difference	Change
First 3 or Less	$148.27		$148.27	$0.00	0.00%
Over 3 Therms per Therm	$0.064290		$0.056880	($0.01)	-11.53%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008595		$0.009202	$0.00	7.07%
Monthly Cost of Gas	$0.298930		$0.297970	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Summer)
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$466.54	$466.54	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$466.54	$466.54	$0.00	0.00%
	3	$466.53	$466.53	$0.00	0.00%	$0.92	$0.92	($0.00)	-0.11%	$467.46	$467.46	($0.00)	0.00%
	100	$470.87	$470.36	($0.51)	-0.11%	$30.75	$30.72	($0.04)	-0.11%	$501.62	$501.08	($0.54)	-0.11%
	500	$488.73	$486.14	($2.59)	-0.53%	$153.76	$153.59	($0.18)	-0.11%	$642.49	$639.72	($2.77)	-0.43%
	1,000	$511.05	$505.86	($5.19)	-1.02%	$307.52	$307.17	($0.35)	-0.11%	$818.58	$813.03	($5.55)	-0.68%
	2,000	$555.70	$545.30	($10.40)	-1.87%	$615.05	$614.34	($0.70)	-0.11%	$1,170.75	$1,159.64	($11.11)	-0.95%
	3,000	$600.35	$584.74	($15.61)	-2.60%	$922.57	$921.52	($1.06)	-0.11%	$1,522.93	$1,506.25	($16.67)	-1.09%
	4,000	$645.00	$624.18	($20.82)	-3.23%	$1,230.10	$1,228.69	($1.41)	-0.11%	$1,875.10	$1,852.87	($22.23)	-1.19%
	5,000	$689.65	$663.62	($26.03)	-3.78%	$1,537.62	$1,535.86	($1.76)	-0.11%	$2,227.27	$2,199.48	($27.80)	-1.25%
Average	6,528	$757.88	$723.88	($34.00)	-4.49%	$2,007.52	$2,005.22	($2.30)	-0.11%	$2,765.40	$2,729.10	($36.30)	-1.31%
	7,000	$778.95	$742.50	($36.45)	-4.68%	$2,152.67	$2,150.21	($2.47)	-0.11%	$2,931.62	$2,892.70	($38.92)	-1.33%
	8,000	$823.60	$781.94	($41.66)	-5.06%	$2,460.20	$2,457.38	($2.82)	-0.11%	$3,283.80	$3,239.32	($44.48)	-1.35%
	9,000	$868.25	$821.38	($46.87)	-5.40%	$2,767.72	$2,764.55	($3.17)	-0.11%	$3,635.97	$3,585.93	($50.05)	-1.38%
	9,200	$877.18	$829.26	($47.92)	-5.46%	$2,829.23	$2,825.99	($3.24)	-0.11%	$3,706.41	$3,655.25	($51.16)	-1.38%
	9,500	$890.58	$841.10	($49.48)	-5.56%	$2,921.48	$2,918.14	($3.35)	-0.11%	$3,812.06	$3,759.23	($52.83)	-1.39%
	10,000	$912.90	$860.82	($52.08)	-5.71%	$3,075.25	$3,071.72	($3.52)	-0.11%	$3,988.15	$3,932.54	($55.61)	-1.39%
	15,000	$1,136.15	$1,058.02	($78.13)	-6.88%	$4,612.87	$4,607.59	($5.29)	-0.11%	$5,749.02	$5,665.60	($83.42)	-1.45%
	20,000	$1,359.40	$1,255.22	($104.18)	-7.66%	$6,150.49	$6,143.45	($7.05)	-0.11%	$7,509.90	$7,398.66	($111.23)	-1.48%
	25,000	$1,582.65	$1,452.42	($130.23)	-8.23%	$7,688.12	$7,679.31	($8.81)	-0.11%	$9,270.77	$9,131.73	($139.04)	-1.50%
	30,000	$1,805.90	$1,649.62	($156.28)	-8.65%	$9,225.74	$9,215.17	($10.57)	-0.11%	$11,031.64	$10,864.79	($166.86)	-1.51%
	35,000	$2,029.15	$1,846.82	($182.33)	-8.99%	$10,763.36	$10,751.03	($12.33)	-0.11%	$12,792.52	$12,597.85	($194.67)	-1.52%
	40,000	$2,252.40	$2,044.02	($208.38)	-9.25%	$12,300.99	$12,286.89	($14.09)	-0.11%	$14,553.39	$14,330.91	($222.48)	-1.53%
	45,000	$2,475.65	$2,241.22	($234.43)	-9.47%	$13,838.61	$13,822.76	($15.86)	-0.11%	$16,314.26	$16,063.97	($250.29)	-1.53%
	50,000	$2,698.90	$2,438.42	($260.48)	-9.65%	$15,376.24	$15,358.62	($17.62)	-0.11%	$18,075.14	$17,797.03	($278.10)	-1.54%
	55,000	$2,922.15	$2,635.62	($286.53)	-9.81%	$16,913.86	$16,894.48	($19.38)	-0.11%	$19,836.01	$19,530.10	($305.91)	-1.54%
	60,000	$3,145.40	$2,832.82	($312.58)	-9.94%	$18,451.48	$18,430.34	($21.14)	-0.11%	$21,596.88	$21,263.16	($333.73)	-1.55%
	65,000	$3,368.65	$3,030.02	($338.63)	-10.05%	$19,989.11	$19,966.20	($22.90)	-0.11%	$23,357.76	$22,996.22	($361.54)	-1.55%
	70,000	$3,591.90	$3,227.22	($364.68)	-10.15%	$21,526.73	$21,502.06	($24.67)	-0.11%	$25,118.63	$24,729.28	($389.35)	-1.55%
	75,000	$3,815.15	$3,424.42	($390.73)	-10.24%	$23,064.35	$23,037.93	($26.43)	-0.11%	$26,879.50	$26,462.34	($417.16)	-1.55%

Current		Proposed		Difference	Change
First 3 or Less	$466.54		$466.54	$0.00	0.00%
Over 3 Therms per Therm	$0.045220		$0.040010	($0.01)	-11.52%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008595		$0.009202	$0.00	7.07%
Monthly Cost of Gas	$0.298930		$0.297970	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Winter)
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$466.54	$466.54	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$466.54	$466.54	$0.00	0.00%
	3	$466.53	$466.53	$0.00	0.00%	$0.92	$0.92	($0.00)	-0.11%	$467.46	$467.46	($0.00)	0.00%
	100	$472.04	$471.40	($0.64)	-0.14%	$30.75	$30.72	($0.04)	-0.11%	$502.79	$502.11	($0.68)	-0.13%
	500	$494.72	$491.44	($3.28)	-0.66%	$153.76	$153.59	($0.18)	-0.11%	$648.48	$645.03	($3.46)	-0.53%
	1,000	$523.07	$516.49	($6.58)	-1.26%	$307.52	$307.17	($0.35)	-0.11%	$830.60	$823.67	($6.93)	-0.83%
	2,000	$579.78	$566.60	($13.18)	-2.27%	$615.05	$614.34	($0.70)	-0.11%	$1,194.83	$1,180.95	($13.88)	-1.16%
	3,000	$636.49	$616.71	($19.78)	-3.11%	$922.57	$921.52	($1.06)	-0.11%	$1,559.07	$1,538.23	($20.84)	-1.34%
	4,000	$693.20	$666.82	($26.38)	-3.81%	$1,230.10	$1,228.69	($1.41)	-0.11%	$1,923.30	$1,895.51	($27.79)	-1.44%
	5,000	$749.91	$716.93	($32.98)	-4.40%	$1,537.62	$1,535.86	($1.76)	-0.11%	$2,287.54	$2,252.80	($34.74)	-1.52%
Average	6,528	$836.57	$793.50	($43.07)	-5.15%	$2,007.52	$2,005.22	($2.30)	-0.11%	$2,844.09	$2,798.72	($45.37)	-1.60%
	7,000	$863.33	$817.15	($46.18)	-5.35%	$2,152.67	$2,150.21	($2.47)	-0.11%	$3,016.01	$2,967.36	($48.65)	-1.61%
	8,000	$920.04	$867.26	($52.78)	-5.74%	$2,460.20	$2,457.38	($2.82)	-0.11%	$3,380.24	$3,324.64	($55.60)	-1.64%
	9,000	$976.75	$917.37	($59.38)	-6.08%	$2,767.72	$2,764.55	($3.17)	-0.11%	$3,744.48	$3,681.93	($62.55)	-1.67%
	9,200	$988.10	$927.40	($60.70)	-6.14%	$2,829.23	$2,825.99	($3.24)	-0.11%	$3,817.32	$3,753.38	($63.94)	-1.68%
	9,500	$1,005.11	$942.43	($62.68)	-6.24%	$2,921.48	$2,918.14	($3.35)	-0.11%	$3,926.59	$3,860.57	($66.03)	-1.68%
	10,000	$1,033.46	$967.48	($65.98)	-6.38%	$3,075.25	$3,071.72	($3.52)	-0.11%	$4,108.71	$4,039.21	($69.50)	-1.69%
	15,000	$1,317.01	$1,218.03	($98.98)	-7.52%	$4,612.87	$4,607.59	($5.29)	-0.11%	$5,929.89	$5,825.62	($104.27)	-1.76%
	20,000	$1,600.56	$1,468.58	($131.98)	-8.25%	$6,150.49	$6,143.45	($7.05)	-0.11%	$7,751.06	$7,612.03	($139.03)	-1.79%
	25,000	$1,884.11	$1,719.13	($164.98)	-8.76%	$7,688.12	$7,679.31	($8.81)	-0.11%	$9,572.23	$9,398.44	($173.79)	-1.82%
	30,000	$2,167.66	$1,969.68	($197.98)	-9.13%	$9,225.74	$9,215.17	($10.57)	-0.11%	$11,393.41	$11,184.85	($208.55)	-1.83%
	35,000	$2,451.21	$2,220.23	($230.98)	-9.42%	$10,763.36	$10,751.03	($12.33)	-0.11%	$13,214.58	$12,971.27	($243.31)	-1.84%
	40,000	$2,734.76	$2,470.78	($263.98)	-9.65%	$12,300.99	$12,286.89	($14.09)	-0.11%	$15,035.75	$14,757.68	($278.08)	-1.85%
	45,000	$3,018.31	$2,721.33	($296.98)	-9.84%	$13,838.61	$13,822.76	($15.86)	-0.11%	$16,856.93	$16,544.09	($312.84)	-1.86%
	50,000	$3,301.86	$2,971.88	($329.98)	-9.99%	$15,376.24	$15,358.62	($17.62)	-0.11%	$18,678.10	$18,330.50	($347.60)	-1.86%
	55,000	$3,585.41	$3,222.43	($362.98)	-10.12%	$16,913.86	$16,894.48	($19.38)	-0.11%	$20,499.27	$20,116.91	($382.36)	-1.87%
	60,000	$3,868.96	$3,472.98	($395.98)	-10.23%	$18,451.48	$18,430.34	($21.14)	-0.11%	$22,320.45	$21,903.32	($417.12)	-1.87%
	65,000	$4,152.51	$3,723.53	($428.98)	-10.33%	$19,989.11	$19,966.20	($22.90)	-0.11%	$24,141.62	$23,689.74	($451.88)	-1.87%
	70,000	$4,436.06	$3,974.08	($461.98)	-10.41%	$21,526.73	$21,502.06	($24.67)	-0.11%	$25,962.79	$25,476.15	($486.65)	-1.87%
	75,000	$4,719.61	$4,224.63	($494.98)	-10.49%	$23,064.35	$23,037.93	($26.43)	-0.11%	$27,783.97	$27,262.56	($521.41)	-1.88%

Current		Proposed		Difference	Change
First 3 or Less	$466.54		$466.54	$0.00	0.00%
Over 3 Therms per Therm	$0.057280		$0.050680	($0.01)	-11.52%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008595		$0.009202	$0.00	7.07%
Monthly Cost of Gas	$0.298930		$0.297970	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 13 Distributed Generation - Residential
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	$28.12	$28.12	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$28.12	$28.12	$0.00	0.00%
	3	$28.12	$28.12	$0.00	0.00%	$1.04	$1.04	($0.00)	0%	$29.16	$29.16	($0.00)	0.00%
	10	$28.40	$28.40	$0.00	0.00%	$3.46	$3.45	($0.00)	0%	$31.85	$31.85	($0.00)	-0.01%
	15	$28.59	$28.59	$0.00	0.00%	$5.19	$5.18	($0.01)	0%	$33.78	$33.77	($0.01)	-0.02%
	20	$28.79	$28.79	$0.00	0.00%	$6.91	$6.91	($0.01)	0%	$35.70	$35.70	($0.01)	-0.02%
	25	$28.99	$28.99	$0.00	0.00%	$8.64	$8.63	($0.01)	0%	$37.63	$37.62	($0.01)	-0.03%
	30	$29.18	$29.18	$0.00	0.00%	$10.37	$10.36	($0.01)	0%	$39.55	$39.54	($0.01)	-0.03%
	40	$29.58	$29.58	$0.00	0.00%	$13.83	$13.81	($0.02)	0%	$43.41	$43.39	($0.02)	-0.04%
	50	$29.97	$29.97	$0.00	0.00%	$17.29	$17.27	($0.02)	0%	$47.26	$47.24	($0.02)	-0.04%
	60	$30.36	$30.36	$0.00	0.00%	$20.74	$20.72	($0.02)	0%	$51.11	$51.08	($0.02)	-0.05%
	70	$30.76	$30.76	$0.00	0.00%	$24.20	$24.17	($0.03)	0%	$54.96	$54.93	($0.03)	-0.05%
	80	$31.15	$31.15	$0.00	0.00%	$27.66	$27.62	($0.03)	0%	$58.81	$58.78	($0.03)	-0.06%
	90	$31.54	$31.54	$0.00	0.00%	$31.11	$31.08	($0.04)	0%	$62.66	$62.62	($0.04)	-0.06%
	95	$31.74	$31.74	$0.00	0.00%	$32.84	$32.80	($0.04)	0%	$64.58	$64.55	($0.04)	-0.06%
Average	101	$31.98	$31.98	$0.00	0.00%	$34.92	$34.88	($0.04)	0%	$66.90	$66.85	($0.04)	-0.06%
	160	$34.30	$34.30	$0.00	0.00%	$55.31	$55.25	($0.07)	0%	$89.61	$89.55	($0.07)	-0.07%
	180	$35.09	$35.09	$0.00	0.00%	$62.23	$62.16	($0.07)	0%	$97.32	$97.24	($0.07)	-0.08%
	200	$35.87	$35.87	$0.00	0.00%	$69.14	$69.06	($0.08)	0%	$105.02	$104.94	($0.08)	-0.08%
	220	$36.66	$36.66	$0.00	0.00%	$76.06	$75.97	($0.09)	0%	$112.72	$112.63	($0.09)	-0.08%
	250	$37.84	$37.84	$0.00	0.00%	$86.43	$86.33	($0.10)	0%	$124.27	$124.17	($0.10)	-0.08%
	300	$39.81	$39.81	$0.00	0.00%	$103.71	$103.59	($0.12)	0%	$143.52	$143.40	($0.12)	-0.09%
	400	$43.75	$43.75	$0.00	0.00%	$138.29	$138.12	($0.16)	0%	$182.03	$181.87	($0.16)	-0.09%

Current		Proposed		Difference	Change
First 3 or Less	$27.56		$27.56	$0.00	0.00%
Over 3 Therms per Therm	$0.039140		$0.039140	$0.00	0.00%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.009036		$0.009716	$0.00	7.53%
Monthly Cost of Gas	$0.336680		$0.335590	($0.00)	-0.32%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 1 Residential Non-Heat and Heat
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$20.77	$20.77	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$20.77	$20.77	$0.00	0.00%
	3	$20.78	$20.78	$0.00	0.00%	$1.01	$1.01	$0.00	0%	$21.80	$21.80	$0.00	0.00%
	10	$23.89	$24.31	$0.42	1.77%	$3.37	$3.37	$0.00	0%	$27.26	$27.68	$0.42	1.55%
	15	$26.10	$26.83	$0.72	2.77%	$5.06	$5.06	$0.00	0%	$31.16	$31.89	$0.72	2.32%
	20	$28.32	$29.35	$1.03	3.62%	$6.75	$6.75	$0.00	0%	$35.07	$36.09	$1.03	2.92%
	25	$30.54	$31.86	$1.33	4.34%	$8.43	$8.43	$0.00	0%	$38.97	$40.30	$1.33	3.40%
	30	$32.75	$34.38	$1.63	4.97%	$10.12	$10.12	$0.00	0%	$42.87	$44.50	$1.63	3.80%
	40	$37.19	$39.42	$2.23	6.00%	$13.49	$13.49	$0.00	0%	$50.68	$52.91	$2.23	4.40%
	50	$41.62	$44.45	$2.83	6.81%	$16.86	$16.86	$0.00	0%	$58.48	$61.32	$2.83	4.85%
	60	$42.41	$45.34	$2.93	6.92%	$20.24	$20.24	$0.00	0%	$62.64	$65.58	$2.93	4.68%
	70	$43.19	$46.23	$3.03	7.02%	$23.61	$23.61	$0.00	0%	$66.80	$69.84	$3.03	4.54%
Average	77	$43.75	$46.85	$3.10	7.09%	$25.97	$25.97	$0.00	0%	$69.72	$72.82	$3.10	4.45%
	83	$44.22	$47.38	$3.16	7.15%	$27.99	$27.99	$0.00	0%	$72.21	$75.38	$3.16	4.38%
	120	$47.13	$50.66	$3.53	7.49%	$40.47	$40.47	$0.00	0%	$87.61	$91.14	$3.53	4.03%
	140	$48.71	$52.44	$3.73	7.66%	$47.22	$47.22	$0.00	0%	$95.93	$99.66	$3.73	3.89%
	160	$50.28	$54.21	$3.93	7.82%	$53.97	$53.97	$0.00	0%	$104.25	$108.18	$3.93	3.77%
	180	$51.86	$55.99	$4.13	7.96%	$60.71	$60.71	$0.00	0%	$112.57	$116.70	$4.13	3.67%
	200	$53.43	$57.76	$4.33	8.10%	$67.46	$67.46	$0.00	0%	$120.89	$125.22	$4.33	3.58%
	220	$55.01	$59.54	$4.53	8.23%	$74.20	$74.20	$0.00	0%	$129.21	$133.74	$4.53	3.50%
	250	$57.37	$62.20	$4.83	8.41%	$84.32	$84.32	$0.00	0%	$141.69	$146.52	$4.83	3.41%
	300	$61.31	$66.64	$5.33	8.69%	$101.18	$101.18	$0.00	0%	$162.50	$167.82	$5.33	3.28%
	400	$69.19	$75.51	$6.32	9.14%	$134.91	$134.91	$0.00	0%	$204.10	$210.43	$6.32	3.10%

FY19		FY20		Difference	Change
First 3 or Less	$20.35		$20.35	$0.00	0.00%
Next 47 Therms per Therm	$0.42819		$0.48728	$0.06	13.80%
Over 50 Therms per Therm	$0.07097		$0.08074	$0.01	13.77%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.002170		$0.002170	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.004626		$0.004626	$0.00	0.00%
Merchant Function Charge	$0.020373		$0.020373	$0.000	0.00%
Monthly Cost of Gas	$0.316910		$0.316910	$0.00	0.00%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 1 Residential Non-Heat and Heat (Tier 1)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$17.70	$17.70	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$17.70	$17.70	$0.00	0.00%
	3	$17.72	$17.72	$0.00	0.00%	$1.01	$1.01	$0.00	0%	$18.73	$18.73	$0.00	0.00%
	10	$20.83	$21.25	$0.42	2.03%	$3.37	$3.37	$0.00	0%	$24.20	$24.62	$0.42	1.74%
	15	$23.04	$23.77	$0.72	3.14%	$5.06	$5.06	$0.00	0%	$28.10	$28.83	$0.72	2.57%
	20	$25.26	$26.28	$1.03	4.06%	$6.75	$6.75	$0.00	0%	$32.00	$33.03	$1.03	3.20%
	25	$27.48	$28.80	$1.33	4.83%	$8.43	$8.43	$0.00	0%	$35.91	$37.23	$1.33	3.69%
	30	$29.69	$31.32	$1.63	5.48%	$10.12	$10.12	$0.00	0%	$39.81	$41.44	$1.63	4.09%
	40	$34.12	$36.36	$2.23	6.54%	$13.49	$13.49	$0.00	0%	$47.62	$49.85	$2.23	4.69%
	50	$38.56	$41.39	$2.83	7.35%	$16.86	$16.86	$0.00	0%	$55.42	$58.26	$2.83	5.11%
	60	$39.35	$42.28	$2.93	7.46%	$20.24	$20.24	$0.00	0%	$59.58	$62.52	$2.93	4.92%
	70	$40.13	$43.17	$3.03	7.56%	$23.61	$23.61	$0.00	0%	$63.74	$66.78	$3.03	4.76%
Average	90	$41.71	$44.94	$3.23	7.75%	$30.36	$30.36	$0.00	0%	$72.06	$75.30	$3.23	4.49%
	100	$42.50	$45.83	$3.33	7.84%	$33.73	$33.73	$0.00	0%	$76.22	$79.56	$3.33	4.37%
	120	$44.07	$47.60	$3.53	8.01%	$40.47	$40.47	$0.00	0%	$84.55	$88.08	$3.53	4.18%
	140	$45.65	$49.38	$3.73	8.17%	$47.22	$47.22	$0.00	0%	$92.87	$96.60	$3.73	4.02%
	160	$47.22	$51.15	$3.93	8.32%	$53.97	$53.97	$0.00	0%	$101.19	$105.12	$3.93	3.88%
	180	$48.80	$52.93	$4.13	8.46%	$60.71	$60.71	$0.00	0%	$109.51	$113.64	$4.13	3.77%
	200	$50.37	$54.70	$4.33	8.59%	$67.46	$67.46	$0.00	0%	$117.83	$122.16	$4.33	3.67%
	220	$51.95	$56.48	$4.53	8.72%	$74.20	$74.20	$0.00	0%	$126.15	$130.68	$4.53	3.59%
	250	$54.31	$59.14	$4.83	8.89%	$84.32	$84.32	$0.00	0%	$138.63	$143.46	$4.83	3.48%
	300	$58.25	$63.58	$5.33	9.14%	$101.18	$101.18	$0.00	0%	$159.44	$164.76	$5.33	3.34%
	400	$66.13	$72.45	$6.32	9.56%	$134.91	$134.91	$0.00	0%	$201.04	$207.36	$6.32	3.15%

FY19		FY20		Difference	Change
First 3 or Less	$17.35		$17.35	$0.00	0.00%
Next 47 Therms per Therm	$0.428190		$0.48728	$0.06	13.80%
Over 50 Therms per Therm	$0.070970		$0.08074	$0.01	13.77%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.002170		$0.002170	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.004626		$0.004626	$0.00	0.00%
Merchant Function Charge	$0.020373		$0.020373	$0.00	0.00%
Monthly Cost of Gas	$0.316910		$0.316910	$0.00	0.00%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

The SC-1 low income bill impacts are using the Energy Affordability Credit of a $3 for a customer in the Tier 1 benefit level.
In accordance with the Order in Case 14-M-0465 issued February 17, 2017, there are five Energy Affordability Credit tiers.
The Heating customers Tiers : Tier 1: $3.00, Tier 2: $10.00, Tier 3: $29.00, Tier 4: $12.00, Tier 5: $3.00
The Non-Heating customers Tiers : Tier 1-Tier 5: $3.00

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Residential
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
	3	$24.30	$24.30	$0.00	0.00%	$0.97	$0.97	$0.00	0%	$25.28	$25.28	$0.00	0.00%
	10	$26.49	$26.66	$0.17	0.64%	$3.23	$3.23	$0.00	0%	$29.72	$29.89	$0.17	0.57%
	15	$28.04	$28.34	$0.29	1.04%	$4.85	$4.85	$0.00	0%	$32.90	$33.19	$0.29	0.89%
	20	$29.60	$30.02	$0.41	1.40%	$6.47	$6.47	$0.00	0%	$36.07	$36.48	$0.41	1.15%
	25	$31.16	$31.70	$0.54	1.72%	$8.09	$8.09	$0.00	0%	$39.25	$39.78	$0.54	1.36%
	30	$32.72	$33.37	$0.66	2.01%	$9.70	$9.70	$0.00	0%	$42.42	$43.08	$0.66	1.55%
	40	$35.83	$36.73	$0.90	2.51%	$12.94	$12.94	$0.00	0%	$48.77	$49.67	$0.90	1.85%
	50	$38.95	$40.09	$1.14	2.94%	$16.17	$16.17	$0.00	0%	$55.12	$56.27	$1.14	2.07%
	55	$40.51	$41.77	$1.27	3.12%	$17.79	$17.79	$0.00	0%	$58.30	$59.56	$1.27	2.17%
	60	$42.07	$43.45	$1.39	3.30%	$19.41	$19.41	$0.00	0%	$61.47	$62.86	$1.39	2.26%
	65	$43.62	$45.13	$1.51	3.46%	$21.02	$21.02	$0.00	0%	$64.65	$66.16	$1.51	2.33%
	70	$45.18	$46.81	$1.63	3.61%	$22.64	$22.64	$0.00	0%	$67.82	$69.45	$1.63	2.40%
	75	$46.74	$48.49	$1.75	3.75%	$24.26	$24.26	$0.00	0%	$71.00	$72.75	$1.75	2.47%
	80	$48.30	$50.17	$1.87	3.88%	$25.88	$25.88	$0.00	0%	$74.17	$76.05	$1.87	2.53%
	85	$49.86	$51.85	$2.00	4.00%	$27.49	$27.49	$0.00	0%	$77.35	$79.34	$2.00	2.58%
	90	$51.41	$53.53	$2.12	4.12%	$29.11	$29.11	$0.00	0%	$80.52	$82.64	$2.12	2.63%
	95	$52.97	$55.21	$2.24	4.23%	$30.73	$30.73	$0.00	0%	$83.70	$85.94	$2.24	2.67%
	100	$54.53	$56.89	$2.36	4.33%	$32.35	$32.35	$0.00	0%	$86.87	$89.23	$2.36	2.72%
Average	132	$64.50	$67.64	$3.14	4.87%	$42.70	$42.70	$0.00	0%	$107.20	$110.33	$3.14	2.93%
	200	$85.69	$90.48	$4.79	5.59%	$64.69	$64.69	$0.00	0%	$150.38	$155.17	$4.79	3.19%
	400	$132.95	$141.39	$8.44	6.35%	$129.38	$129.38	$0.00	0%	$262.33	$270.77	$8.44	3.22%
	500	$151.56	$161.42	$9.86	6.51%	$161.73	$161.73	$0.00	0%	$313.28	$323.15	$9.86	3.15%
	600	$170.17	$181.45	$11.28	6.63%	$194.07	$194.07	$0.00	0%	$364.24	$375.52	$11.28	3.10%
	1,000	$244.61	$261.57	$16.96	6.93%	$323.46	$323.46	$0.00	0%	$568.06	$585.03	$16.96	2.99%
	1,500	$337.66	$361.72	$24.06	7.13%	$485.18	$485.18	$0.00	0%	$822.84	$846.90	$24.06	2.92%
	2,000	$430.71	$461.87	$31.16	7.24%	$646.91	$646.91	$0.00	0%	$1,077.62	$1,108.78	$31.16	2.89%
	2,570	$536.78	$576.04	$39.26	7.31%	$831.28	$831.28	$0.00	0%	$1,368.06	$1,407.32	$39.26	2.87%
	3,000	$616.81	$662.17	$45.36	7.35%	$970.37	$970.37	$0.00	0%	$1,587.17	$1,632.54	$45.36	2.86%
	4,000	$802.91	$862.47	$59.56	7.42%	$1,293.82	$1,293.82	$0.00	0%	$2,096.73	$2,156.29	$59.56	2.84%
	4,500	$895.96	$962.62	$66.66	7.44%	$1,455.55	$1,455.55	$0.00	0%	$2,351.50	$2,418.17	$66.66	2.83%
	5,000	$989.01	$1,062.77	$73.76	7.46%	$1,617.28	$1,617.28	$0.00	0%	$2,606.28	$2,680.04	$73.76	2.83%
	5,500	$1,022.78	$1,098.84	$76.06	7.44%	$1,779.00	$1,779.00	$0.00	0%	$2,801.78	$2,877.85	$76.06	2.71%
	6,000	$1,056.56	$1,134.92	$78.36	7.42%	$1,940.73	$1,940.73	$0.00	0%	$2,997.29	$3,075.65	$78.36	2.61%
	7,000	$1,124.10	$1,207.07	$82.96	7.38%	$2,264.19	$2,264.19	$0.00	0%	$3,388.29	$3,471.25	$82.96	2.45%
	8,000	$1,191.65	$1,279.22	$87.56	7.35%	$2,587.64	$2,587.64	$0.00	0%	$3,779.30	$3,866.86	$87.56	2.32%
	9,000	$1,259.20	$1,351.37	$92.16	7.32%	$2,911.10	$2,911.10	$0.00	0%	$4,170.30	$4,262.46	$92.16	2.21%
	10,000	$1,326.75	$1,423.52	$96.76	7.29%	$3,234.55	$3,234.55	$0.00	0%	$4,561.31	$4,658.07	$96.76	2.12%

FY19		FY20		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.299990		$0.324320	$0.02	8.11%
Next 4,720 Therms per Therm	$0.174500		$0.188700	$0.01	8.14%
Over 5,000 Therms per Therm	$0.055950		$0.060550	$0.00	8.22%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.009260		$0.009260	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Merchant Function Charge	$0.009185		$0.009185	$0.00	0.00%
Monthly Cost of Gas	$0.314270		$0.314270	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Commercial
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
	3	$24.19	$24.19	$0.00	0.00%	$0.97	$0.97	$0.00	0%	$25.16	$25.16	$0.00	0.00%
	10	$26.11	$26.28	$0.17	0.65%	$3.23	$3.23	$0.00	0%	$29.35	$29.52	$0.17	0.58%
	15	$27.49	$27.78	$0.29	1.06%	$4.85	$4.85	$0.00	0%	$32.34	$32.63	$0.29	0.90%
	20	$28.86	$29.27	$0.41	1.43%	$6.47	$6.47	$0.00	0%	$35.33	$35.74	$0.41	1.17%
	25	$30.23	$30.77	$0.54	1.77%	$8.09	$8.09	$0.00	0%	$38.32	$38.85	$0.54	1.40%
	30	$31.60	$32.26	$0.66	2.08%	$9.70	$9.70	$0.00	0%	$41.31	$41.96	$0.66	1.59%
	40	$34.35	$35.25	$0.90	2.62%	$12.94	$12.94	$0.00	0%	$47.29	$48.19	$0.90	1.90%
	50	$37.09	$38.23	$1.14	3.08%	$16.17	$16.17	$0.00	0%	$53.26	$54.41	$1.14	2.15%
	60	$39.84	$41.22	$1.39	3.48%	$19.41	$19.41	$0.00	0%	$59.24	$60.63	$1.39	2.34%
	70	$42.58	$44.21	$1.63	3.83%	$22.64	$22.64	$0.00	0%	$65.22	$66.85	$1.63	2.50%
	80	$45.32	$47.20	$1.87	4.13%	$25.88	$25.88	$0.00	0%	$71.20	$73.07	$1.87	2.63%
	100	$50.81	$53.17	$2.36	4.64%	$32.35	$32.35	$0.00	0%	$83.16	$85.52	$2.36	2.84%
	120	$56.30	$59.15	$2.85	5.06%	$38.81	$38.81	$0.00	0%	$95.12	$97.96	$2.85	2.99%
	140	$61.79	$65.12	$3.33	5.39%	$45.28	$45.28	$0.00	0%	$107.07	$110.41	$3.33	3.11%
	160	$67.28	$71.10	$3.82	5.68%	$51.75	$51.75	$0.00	0%	$119.03	$122.85	$3.82	3.21%
	180	$72.77	$77.07	$4.31	5.92%	$58.22	$58.22	$0.00	0%	$130.99	$135.29	$4.31	3.29%
	200	$78.25	$83.05	$4.79	6.12%	$64.69	$64.69	$0.00	0%	$142.94	$147.74	$4.79	3.35%
	250	$91.97	$97.98	$6.01	6.53%	$80.86	$80.86	$0.00	0%	$172.84	$178.85	$6.01	3.48%
	300	$103.19	$110.21	$7.02	6.81%	$97.04	$97.04	$0.00	0%	$200.22	$207.25	$7.02	3.51%
Average	389	$116.44	$124.73	$8.29	7.12%	$125.82	$125.82	$0.00	0%	$242.26	$250.55	$8.29	3.42%
	400	$118.08	$126.52	$8.44	7.15%	$129.38	$129.38	$0.00	0%	$247.46	$255.90	$8.44	3.41%
	500	$132.97	$142.84	$9.86	7.42%	$161.73	$161.73	$0.00	0%	$294.70	$304.56	$9.86	3.35%
	600	$147.87	$159.15	$11.28	7.63%	$194.07	$194.07	$0.00	0%	$341.94	$353.22	$11.28	3.30%
	1,000	$207.44	$224.40	$16.96	8.18%	$323.46	$323.46	$0.00	0%	$530.89	$547.86	$16.96	3.20%
	1,500	$281.90	$305.97	$24.06	8.54%	$485.18	$485.18	$0.00	0%	$767.08	$791.15	$24.06	3.14%
	2,000	$356.37	$387.53	$31.16	8.74%	$646.91	$646.91	$0.00	0%	$1,003.28	$1,034.44	$31.16	3.11%
	2,570	$441.26	$480.51	$39.26	8.90%	$831.28	$831.28	$0.00	0%	$1,272.54	$1,311.79	$39.26	3.08%
	3,000	$505.30	$550.66	$45.36	8.98%	$970.37	$970.37	$0.00	0%	$1,475.66	$1,521.03	$45.36	3.07%
	4,000	$654.23	$713.79	$59.56	9.10%	$1,293.82	$1,293.82	$0.00	0%	$1,948.05	$2,007.61	$59.56	3.06%
	4,500	$728.69	$795.35	$66.66	9.15%	$1,455.55	$1,455.55	$0.00	0%	$2,184.24	$2,250.90	$66.66	3.05%
	5,000	$803.16	$876.92	$73.76	9.18%	$1,617.28	$1,617.28	$0.00	0%	$2,420.43	$2,494.19	$73.76	3.05%
	5,500	$818.35	$894.41	$76.06	9.29%	$1,779.00	$1,779.00	$0.00	0%	$2,597.35	$2,673.41	$76.06	2.93%
	6,000	$833.54	$911.90	$78.36	9.40%	$1,940.73	$1,940.73	$0.00	0%	$2,774.27	$2,852.63	$78.36	2.82%
	7,000	$863.91	$946.88	$82.96	9.60%	$2,264.19	$2,264.19	$0.00	0%	$3,128.10	$3,211.06	$82.96	2.65%
	8,000	$894.29	$981.86	$87.56	9.79%	$2,587.64	$2,587.64	$0.00	0%	$3,481.94	$3,569.50	$87.56	2.51%
	9,000	$924.67	$1,016.84	$92.16	9.97%	$2,911.10	$2,911.10	$0.00	0%	$3,835.77	$3,927.93	$92.16	2.40%
	10,000	$955.05	$1,051.82	$96.76	10.13%	$3,234.55	$3,234.55	$0.00	0%	$4,189.61	$4,286.37	$96.76	2.31%

FY19		FY20		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.299990		$0.324320	$0.02	8.11%
Next 4,720 Therms per Therm	$0.174500		$0.188700	$0.01	8.14%
Over 5,000 Therms per Therm	$0.055950		$0.060550	$0.00	8.22%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	-$0.027910		-$0.027910	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Merchant Function Charge	$0.009185		$0.009185	$0.00	0.00%
Monthly Cost of Gas	$0.314270		$0.314270	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Industrial
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

	Delivery				Commodity				Total			
Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
3	$24.26	$24.26	$0.00	0.00%	$0.97	$0.97	$0.00	0%	$25.23	$25.23	$0.00	0.00%
10	$26.33	$26.50	$0.17	0.65%	$3.23	$3.23	$0.00	0%	$29.56	$29.74	$0.17	0.58%
15	$27.81	$28.10	$0.29	1.05%	$4.85	$4.85	$0.00	0%	$32.66	$32.95	$0.29	0.89%
20	$29.29	$29.70	$0.41	1.41%	$6.47	$6.47	$0.00	0%	$35.76	$36.17	$0.41	1.16%
25	$30.77	$31.31	$0.54	1.74%	$8.09	$8.09	$0.00	0%	$38.86	$39.39	$0.54	1.38%
30	$32.25	$32.91	$0.66	2.04%	$9.70	$9.70	$0.00	0%	$41.95	$42.61	$0.66	1.57%
40	$35.21	$36.11	$0.90	2.56%	$12.94	$12.94	$0.00	0%	$48.15	$49.05	$0.90	1.87%
50	$38.17	$39.32	$1.14	3.00%	$16.17	$16.17	$0.00	0%	$54.34	$55.49	$1.14	2.10%
60	$41.13	$42.52	$1.39	3.37%	$19.41	$19.41	$0.00	0%	$60.54	$61.93	$1.39	2.29%
70	$44.09	$45.72	$1.63	3.70%	$22.64	$22.64	$0.00	0%	$66.73	$68.36	$1.63	2.44%
80	$47.05	$48.93	$1.87	3.98%	$25.88	$25.88	$0.00	0%	$72.93	$74.80	$1.87	2.57%
100	$52.97	$55.33	$2.36	4.46%	$32.35	$32.35	$0.00	0%	$85.32	$87.68	$2.36	2.77%
120	$58.89	$61.74	$2.85	4.83%	$38.81	$38.81	$0.00	0%	$97.71	$100.55	$2.85	2.91%
140	$64.81	$68.15	$3.33	5.14%	$45.28	$45.28	$0.00	0%	$110.10	$113.43	$3.33	3.03%
160	$70.73	$74.55	$3.82	5.40%	$51.75	$51.75	$0.00	0%	$122.49	$126.31	$3.82	3.12%
180	$76.66	$80.96	$4.31	5.62%	$58.22	$58.22	$0.00	0%	$134.88	$139.18	$4.31	3.19%
200	$82.58	$87.37	$4.79	5.80%	$64.69	$64.69	$0.00	0%	$147.27	$152.06	$4.79	3.25%
250	$97.38	$103.39	$6.01	6.17%	$80.86	$80.86	$0.00	0%	$178.24	$184.25	$6.01	3.37%
300	$109.67	$116.69	$7.02	6.40%	$97.04	$97.04	$0.00	0%	$206.71	$213.73	$7.02	3.40%
350	$118.20	$125.93	$7.73	6.54%	$113.21	$113.21	$0.00	0%	$231.41	$239.14	$7.73	3.34%
400	$126.72	$135.17	$8.44	6.66%	$129.38	$129.38	$0.00	0%	$256.11	$264.55	$8.44	3.30%
500	$143.78	$153.64	$9.86	6.86%	$161.73	$161.73	$0.00	0%	$305.50	$315.37	$9.86	3.23%
600	$160.83	$172.11	$11.28	7.02%	$194.07	$194.07	$0.00	0%	$354.90	$366.19	$11.28	3.18%
Average 1,555	$323.70	$348.54	$24.84	7.68%	$502.97	$502.97	$0.00	0%	$826.67	$851.51	$24.84	3.01%
1,750	$356.95	$384.57	$27.61	7.74%	$566.05	$566.05	$0.00	0%	$923.00	$950.61	$27.61	2.99%
2,000	$399.59	$430.75	$31.16	7.80%	$646.91	$646.91	$0.00	0%	$1,046.50	$1,077.66	$31.16	2.98%
2,570	$496.79	$536.05	$39.26	7.90%	$831.28	$831.28	$0.00	0%	$1,328.07	$1,367.33	$39.26	2.96%
3,000	$570.13	$615.49	$45.36	7.96%	$970.37	$970.37	$0.00	0%	$1,540.49	$1,585.86	$45.36	2.94%
4,000	$740.67	$800.23	$59.56	8.04%	$1,293.82	$1,293.82	$0.00	0%	$2,034.49	$2,094.05	$59.56	2.93%
4,500	$825.94	$892.60	$66.66	8.07%	$1,455.55	$1,455.55	$0.00	0%	$2,281.48	$2,348.15	$66.66	2.92%
5,000	$911.21	$984.97	$73.76	8.10%	$1,617.28	$1,617.28	$0.00	0%	$2,528.48	$2,602.24	$73.76	2.92%
5,500	$937.20	$1,013.26	$76.06	8.12%	$1,779.00	$1,779.00	$0.00	0%	$2,716.20	$2,792.27	$76.06	2.80%
6,000	$963.20	$1,041.56	$78.36	8.14%	$1,940.73	$1,940.73	$0.00	0%	$2,903.93	$2,982.29	$78.36	2.70%
7,000	$1,015.18	$1,098.15	$82.96	8.17%	$2,264.19	$2,264.19	$0.00	0%	$3,279.37	$3,362.33	$82.96	2.53%
8,000	$1,067.17	$1,154.74	$87.56	8.21%	$2,587.64	$2,587.64	$0.00	0%	$3,654.82	$3,742.38	$87.56	2.40%
9,000	$1,119.16	$1,211.33	$92.16	8.24%	$2,911.10	$2,911.10	$0.00	0%	$4,030.26	$4,122.42	$92.16	2.29%
10,000	$1,171.15	$1,267.92	$96.76	8.26%	$3,234.55	$3,234.55	$0.00	0%	$4,405.71	$4,502.47	$96.76	2.20%

FY19		FY20	Difference	Change
First 3 or Less	$24.27	$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.299990	$0.324320	$0.02	8.11%
Next 4,720 Therms per Therm	$0.174500	$0.188700	$0.01	8.14%
Over 5,000 Therms per Therm	$0.055950	$0.060550	$0.00	8.22%
Delivery Service Adjustment				
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570	-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	-$0.006300	-$0.006300	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910	$0.002910	$0.00	0.00%
Merchant Function Charge	$0.009185	$0.009185	$0.00	0.00%
Monthly Cost of Gas	$0.314270	$0.314270	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%
Supply	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 3 Large General Gas Supply
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	5,000	$792.97	$792.97	$0.00	0.00%	$1,532.43	$1,532.43	$0.00	0.00%	$2,325.40	$2,325.40	$0.00	0.00%
	6,000	$889.07	$898.11	$9.04	1.02%	$1,838.92	$1,838.92	$0.00	0.00%	$2,727.99	$2,737.03	$9.04	0.33%
	7,000	$985.17	$1,003.25	$18.08	1.84%	$2,145.40	$2,145.40	$0.00	0.00%	$3,130.57	$3,148.65	$18.08	0.58%
	8,000	$1,081.27	$1,108.39	$27.12	2.51%	$2,451.89	$2,451.89	$0.00	0.00%	$3,533.16	$3,560.28	$27.12	0.77%
	9,000	$1,177.37	$1,213.53	$36.16	3.07%	$2,758.38	$2,758.38	$0.00	0.00%	$3,935.74	$3,971.90	$36.16	0.92%
	10,000	$1,273.47	$1,318.67	$45.20	3.55%	$3,064.86	$3,064.86	$0.00	0.00%	$4,338.33	$4,383.53	$45.20	1.04%
	11,000	$1,369.57	$1,423.81	$54.24	3.96%	$3,371.35	$3,371.35	$0.00	0.00%	$4,740.92	$4,795.16	$54.24	1.14%
	12,000	$1,465.67	$1,528.95	$63.28	4.32%	$3,677.84	$3,677.84	$0.00	0.00%	$5,143.50	$5,206.78	$63.28	1.23%
	13,000	$1,561.77	$1,634.09	$72.32	4.63%	$3,984.32	$3,984.32	$0.00	0.00%	$5,546.09	$5,618.41	$72.32	1.30%
	15,000	$1,753.97	$1,844.37	$90.40	5.15%	$4,597.30	$4,597.30	$0.00	0.00%	$6,351.26	$6,441.66	$90.40	1.42%
Average	19,995	$2,233.98	$2,369.54	$135.55	6.07%	$6,128.20	$6,128.20	$0.00	0.00%	$8,362.18	$8,497.73	$135.55	1.62%
	20,000	$2,234.46	$2,370.06	$135.60	6.07%	$6,129.73	$6,129.73	$0.00	0.00%	$8,364.19	$8,499.79	$135.60	1.62%
	21,000	$2,330.56	$2,475.20	$144.64	6.21%	$6,436.21	$6,436.21	$0.00	0.00%	$8,766.78	$8,911.42	$144.64	1.65%
	24,000	$2,618.86	$2,790.62	$171.76	6.56%	$7,355.67	$7,355.67	$0.00	0.00%	$9,974.54	$10,146.30	$171.76	1.72%
	27,000	$2,907.16	$3,106.04	$198.88	6.84%	$8,275.13	$8,275.13	$0.00	0.00%	$11,182.29	$11,381.17	$198.88	1.78%
	30,000	$3,195.46	$3,421.46	$226.00	7.07%	$9,194.59	$9,194.59	$0.00	0.00%	$12,390.05	$12,616.05	$226.00	1.82%
	35,000	$3,675.96	$3,947.16	$271.20	7.38%	$10,727.02	$10,727.02	$0.00	0.00%	$14,402.98	$14,674.18	$271.20	1.88%
	40,000	$4,156.46	$4,472.86	$316.40	7.61%	$12,259.46	$12,259.46	$0.00	0.00%	$16,415.91	$16,732.31	$316.40	1.93%
	45,000	$4,636.96	$4,998.56	$361.60	7.80%	$13,791.89	$13,791.89	$0.00	0.00%	$18,428.84	$18,790.44	$361.60	1.96%
	50,000	$5,117.45	$5,524.25	$406.80	7.95%	$15,324.32	$15,324.32	$0.00	0.00%	$20,441.77	$20,848.57	$406.80	1.99%
	60,000	$6,078.45	$6,575.65	$497.20	8.18%	$18,389.18	$18,389.18	$0.00	0.00%	$24,467.63	$24,964.83	$497.20	2.03%
	70,000	$7,039.45	$7,627.05	$587.60	8.35%	$21,454.05	$21,454.05	$0.00	0.00%	$28,493.50	$29,081.10	$587.60	2.06%

FY19		FY20		Difference	Change
First 5,000 or Less	$781.27		$781.27	$0.00	0.00%
Over 5,000 Therms per Therm	$0.093760		$0.102800	$0.01	9.64%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Merchant Function Charge	$0.008956		$0.008956	$0.00	0.00%
Monthly Cost of Gas	$0.297530		$0.297530	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 5 Firm Gas Transportation
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

	Therm Usage	Delivery			
		FY19	FY20	Difference	Change
	100	$555.06	$587.52	$32.46	5.85%
	500	$584.84	$618.79	$33.94	5.80%
	1,000	$622.07	$657.87	$35.80	5.75%
	5,000	$919.87	$970.51	$50.64	5.51%
	10,000	$1,292.12	$1,361.30	$69.19	5.35%
	15,000	$1,664.36	$1,752.10	$87.74	5.27%
	20,000	$2,036.61	$2,142.90	$106.29	5.22%
	25,000	$2,408.86	$2,533.70	$124.84	5.18%
	30,000	$2,781.11	$2,924.50	$143.39	5.16%
Average	42,274	$3,694.90	$3,883.83	$188.93	5.11%
	44,000	$3,823.40	$4,018.73	$195.33	5.11%
	45,000	$3,897.85	$4,096.89	$199.04	5.11%
	50,000	$4,270.10	$4,487.69	$217.59	5.10%
	55,000	$4,642.35	$4,878.49	$236.14	5.09%
	60,000	$5,014.60	$5,269.29	$254.69	5.08%
	65,000	$5,386.85	$5,660.09	$273.24	5.07%
	70,000	$5,759.10	$6,050.89	$291.79	5.07%
	75,000	$6,131.34	$6,441.68	$310.34	5.06%
	80,000	$6,503.59	$6,832.48	$328.89	5.06%
	85,000	$6,875.84	$7,223.28	$347.44	5.05%
	90,000	$7,248.09	$7,614.08	$365.99	5.05%
	95,000	$7,620.34	$8,004.88	$384.54	5.05%

FY19		FY20	Difference	Change
First 100 or Less	$554.83	$587.29	$32.46	5.85%
Over 100 Therms per Therm	$0.072110	$0.075820	$0.00	5.14%
Delivery Service Adjustment				
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000	$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910	$0.002910	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 7 Small Volume Firm Gas Transportation
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery			
	Therm Usage	FY19	FY20	Difference	Change
	2,100	$367.80	$367.80	$0.00	0.00%
	2,500	$419.63	$423.76	$4.12	0.98%
	3,100	$497.38	$507.69	$10.31	2.07%
	3,500	$549.21	$563.65	$14.43	2.63%
	4,100	$626.96	$647.58	$20.62	3.29%
	4,500	$678.79	$703.54	$24.74	3.65%
	5,100	$756.54	$787.47	$30.93	4.09%
	5,500	$808.37	$843.43	$35.05	4.34%
	6,100	$886.12	$927.36	$41.24	4.65%
Average	7,610	$1,081.78	$1,138.59	$56.81	5.25%
	7,700	$1,093.45	$1,151.18	$57.74	5.28%
	8,000	$1,132.32	$1,193.15	$60.83	5.37%
	8,100	$1,145.28	$1,207.14	$61.86	5.40%
	8,500	$1,197.11	$1,263.09	$65.98	5.51%
	9,100	$1,274.86	$1,347.03	$72.17	5.66%
	9,500	$1,326.69	$1,402.98	$76.29	5.75%
	10,000	$1,391.48	$1,472.93	$81.45	5.85%
	20,000	$2,687.28	$2,871.83	$184.55	6.87%
	30,000	$3,983.07	$4,270.72	$287.65	7.22%
	40,000	$5,278.87	$5,669.62	$390.75	7.40%
	50,000	$6,574.67	$7,068.52	$493.85	7.51%
	60,000	$7,870.46	$8,467.41	$596.95	7.58%

FY19		FY20		Difference	Change
First 2,100 or Less	$361.27		$361.27	$0.00	0.00%
Over 2,100 Therms per Therm	$0.126470		$0.136780	$0.01	8.15%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000200		$0.000200	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 8 Gas Transportation Service with Standby Sales
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

	Therm Usage	Delivery			
		FY19	FY20	Difference	Change
	100	$1,039.77	$1,155.26	$115.49	11.11%
	500	$1,069.85	$1,186.96	$117.11	10.95%
	1,000	$1,107.44	$1,226.57	$119.13	10.76%
	5,000	$1,408.20	$1,543.49	$135.29	9.61%
	10,000	$1,784.15	$1,939.64	$155.49	8.71%
	50,000	$4,791.74	$5,108.82	$317.09	6.62%
	100,000	$8,551.22	$9,070.31	$519.09	6.07%
	200,000	$15,641.19	$16,543.28	$902.09	5.77%
Average	327,759	$24,699.26	$26,090.67	$1,391.40	5.63%
	330,000	$24,858.15	$26,258.14	$1,399.99	5.63%
	345,000	$25,921.64	$27,379.08	$1,457.44	5.62%
	350,000	$26,276.14	$27,752.73	$1,476.59	5.62%
	400,000	$29,821.13	$31,489.21	$1,668.09	5.59%
	450,000	$33,366.11	$35,225.70	$1,859.59	5.57%
	500,000	$36,911.09	$38,962.18	$2,051.09	5.56%
	550,000	$39,985.58	$42,202.66	$2,217.09	5.54%
	600,000	$43,060.06	$45,443.15	$2,383.09	5.53%
	650,000	$46,134.55	$48,683.63	$2,549.09	5.53%
	700,000	$49,209.03	$51,924.12	$2,715.09	5.52%
	750,000	$52,283.51	$55,164.60	$2,881.09	5.51%
	800,000	$55,358.00	$58,405.08	$3,047.09	5.50%
	850,000	$58,432.48	$61,645.57	$3,213.09	5.50%

FY19		FY20	Difference	Change
First 100 or Less	$1,039.54	$1,155.03	$115.49	11.11%
Next 99,900 Therms per Therm	$0.072850	$0.076890	$0.00	5.55%
Next 400,000 Therms per Therm	$0.068560	$0.072390	$0.00	5.59%
Over 500,000 Therms per Therm	$0.059150	$0.062470	$0.00	5.61%
Delivery Service Adjustment				
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910	$0.002910	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Summer)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$148.27	$148.27	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$148.27	$148.27	$0.00	0.00%
	3	$148.27	$148.27	$0.00	0.00%	$0.87	$0.87	$0.00	0.00%	$149.14	$149.14	$0.00	0.00%
	100	$152.57	$152.57	$0.00	0.00%	$29.13	$29.13	$0.00	0.00%	$181.70	$181.70	$0.00	0.00%
	300	$161.43	$161.44	$0.01	0.01%	$87.39	$87.39	$0.00	0.00%	$248.83	$248.84	$0.01	0.00%
	500	$170.30	$170.32	$0.01	0.01%	$145.65	$145.65	$0.00	0.00%	$315.95	$315.97	$0.01	0.00%
	700	$179.17	$179.19	$0.02	0.01%	$203.91	$203.91	$0.00	0.00%	$383.08	$383.10	$0.02	0.01%
	900	$188.03	$188.06	$0.03	0.01%	$262.18	$262.18	$0.00	0.00%	$450.21	$450.24	$0.03	0.01%
	1,000	$192.47	$192.50	$0.03	0.02%	$291.31	$291.31	$0.00	0.00%	$483.77	$483.80	$0.03	0.01%
	1,500	$214.63	$214.68	$0.04	0.02%	$436.96	$436.96	$0.00	0.00%	$651.59	$651.63	$0.04	0.01%
Average	2,638	$265.08	$265.16	$0.08	0.03%	$768.47	$768.47	$0.00	0.00%	$1,033.54	$1,033.62	$0.08	0.01%
	5,000	$369.79	$369.94	$0.15	0.04%	$1,456.53	$1,456.53	$0.00	0.00%	$1,826.32	$1,826.47	$0.15	0.01%
	9,000	$547.11	$547.38	$0.27	0.05%	$2,621.76	$2,621.76	$0.00	0.00%	$3,168.86	$3,169.13	$0.27	0.01%
	10,000	$591.44	$591.74	$0.30	0.05%	$2,913.06	$2,913.06	$0.00	0.00%	$3,504.50	$3,504.80	$0.30	0.01%
	11,000	$635.77	$636.10	$0.33	0.05%	$3,204.37	$3,204.37	$0.00	0.00%	$3,840.14	$3,840.47	$0.33	0.01%
	12,000	$680.10	$680.46	$0.36	0.05%	$3,495.68	$3,495.68	$0.00	0.00%	$4,175.77	$4,176.13	$0.36	0.01%
	13,000	$724.43	$724.82	$0.39	0.05%	$3,786.98	$3,786.98	$0.00	0.00%	$4,511.41	$4,511.80	$0.39	0.01%
	14,000	$768.76	$769.18	$0.42	0.05%	$4,078.29	$4,078.29	$0.00	0.00%	$4,847.05	$4,847.47	$0.42	0.01%
	15,000	$813.09	$813.54	$0.45	0.06%	$4,369.60	$4,369.60	$0.00	0.00%	$5,182.68	$5,183.13	$0.45	0.01%
	16,000	$857.42	$857.90	$0.48	0.06%	$4,660.90	$4,660.90	$0.00	0.00%	$5,518.32	$5,518.80	$0.48	0.01%
	17,000	$901.75	$902.26	$0.51	0.06%	$4,952.21	$4,952.21	$0.00	0.00%	$5,853.96	$5,854.47	$0.51	0.01%
	18,000	$946.08	$946.62	$0.54	0.06%	$5,243.52	$5,243.52	$0.00	0.00%	$6,189.59	$6,190.13	$0.54	0.01%
	19,000	$990.41	$990.98	$0.57	0.06%	$5,534.82	$5,534.82	$0.00	0.00%	$6,525.23	$6,525.80	$0.57	0.01%
	20,000	$1,034.74	$1,035.34	$0.60	0.06%	$5,826.13	$5,826.13	$0.00	0.00%	$6,860.86	$6,861.46	$0.60	0.01%
	21,000	$1,079.07	$1,079.70	$0.63	0.06%	$6,117.44	$6,117.44	$0.00	0.00%	$7,196.50	$7,197.13	$0.63	0.01%
	22,000	$1,123.40	$1,124.06	$0.66	0.06%	$6,408.74	$6,408.74	$0.00	0.00%	$7,532.14	$7,532.80	$0.66	0.01%
	23,000	$1,167.73	$1,168.42	$0.69	0.06%	$6,700.05	$6,700.05	$0.00	0.00%	$7,867.77	$7,868.46	$0.69	0.01%
	24,000	$1,212.06	$1,212.78	$0.72	0.06%	$6,991.36	$6,991.36	$0.00	0.00%	$8,203.41	$8,204.13	$0.72	0.01%

FY19		FY20	Difference	Change
First 3 or Less	$148.27	$148.27	$0.00	0.00%
Over 3 Therms per Therm	$0.044900	$0.044930	$0.00	0.07%
Delivery Service Adjustment				
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008756	$0.008756	$0.00	0.00%
Monthly Cost of Gas	$0.282550	$0.282550	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%
Supply	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$148.27	$148.27	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$148.27	$148.27	$0.00	0.00%
	3	$148.27	$148.27	$0.00	0.00%	$0.87	$0.87	$0.00	0.00%	$149.14	$149.14	$0.00	0.00%
	100	$153.73	$153.73	$0.00	0.00%	$29.13	$29.13	$0.00	0.00%	$182.86	$182.86	$0.00	0.00%
	300	$164.99	$165.00	$0.01	0.01%	$87.39	$87.39	$0.00	0.00%	$252.38	$252.40	$0.01	0.00%
	500	$176.25	$176.27	$0.02	0.01%	$145.65	$145.65	$0.00	0.00%	$321.91	$321.93	$0.02	0.01%
	700	$187.52	$187.54	$0.03	0.01%	$203.91	$203.91	$0.00	0.00%	$391.43	$391.46	$0.03	0.01%
	900	$198.78	$198.81	$0.04	0.02%	$262.18	$262.18	$0.00	0.00%	$460.95	$460.99	$0.04	0.01%
	1,000	$204.41	$204.45	$0.04	0.02%	$291.31	$291.31	$0.00	0.00%	$495.72	$495.76	$0.04	0.01%
	1,500	$232.56	$232.62	$0.06	0.03%	$436.96	$436.96	$0.00	0.00%	$669.52	$669.58	$0.06	0.01%
Average	2,638	$296.65	$296.75	$0.11	0.04%	$768.47	$768.47	$0.00	0.00%	$1,065.11	$1,065.22	$0.11	0.01%
	5,000	$429.65	$429.85	$0.20	0.05%	$1,456.53	$1,456.53	$0.00	0.00%	$1,886.18	$1,886.38	$0.20	0.01%
	9,000	$654.89	$655.25	$0.36	0.05%	$2,621.76	$2,621.76	$0.00	0.00%	$3,276.65	$3,277.01	$0.36	0.01%
	10,000	$711.20	$711.60	$0.40	0.06%	$2,913.06	$2,913.06	$0.00	0.00%	$3,624.26	$3,624.66	$0.40	0.01%
	11,000	$767.51	$767.95	$0.44	0.06%	$3,204.37	$3,204.37	$0.00	0.00%	$3,971.88	$3,972.32	$0.44	0.01%
	12,000	$823.82	$824.30	$0.48	0.06%	$3,495.68	$3,495.68	$0.00	0.00%	$4,319.50	$4,319.98	$0.48	0.01%
	13,000	$880.13	$880.65	$0.52	0.06%	$3,786.98	$3,786.98	$0.00	0.00%	$4,667.11	$4,667.63	$0.52	0.01%
	14,000	$936.44	$937.00	$0.56	0.06%	$4,078.29	$4,078.29	$0.00	0.00%	$5,014.73	$5,015.29	$0.56	0.01%
	15,000	$992.75	$993.35	$0.60	0.06%	$4,369.60	$4,369.60	$0.00	0.00%	$5,362.35	$5,362.95	$0.60	0.01%
	16,000	$1,049.06	$1,049.70	$0.64	0.06%	$4,660.90	$4,660.90	$0.00	0.00%	$5,709.96	$5,710.60	$0.64	0.01%
	17,000	$1,105.37	$1,106.05	$0.68	0.06%	$4,952.21	$4,952.21	$0.00	0.00%	$6,057.58	$6,058.26	$0.68	0.01%
	18,000	$1,161.68	$1,162.40	$0.72	0.06%	$5,243.52	$5,243.52	$0.00	0.00%	$6,405.20	$6,405.92	$0.72	0.01%
	19,000	$1,217.99	$1,218.75	$0.76	0.06%	$5,534.82	$5,534.82	$0.00	0.00%	$6,752.81	$6,753.57	$0.76	0.01%
	20,000	$1,274.30	$1,275.10	$0.80	0.06%	$5,826.13	$5,826.13	$0.00	0.00%	$7,100.43	$7,101.23	$0.80	0.01%
	21,000	$1,330.61	$1,331.45	$0.84	0.06%	$6,117.44	$6,117.44	$0.00	0.00%	$7,448.05	$7,448.89	$0.84	0.01%
	22,000	$1,386.92	$1,387.80	$0.88	0.06%	$6,408.74	$6,408.74	$0.00	0.00%	$7,795.66	$7,796.54	$0.88	0.01%
	23,000	$1,443.23	$1,444.15	$0.92	0.06%	$6,700.05	$6,700.05	$0.00	0.00%	$8,143.28	$8,144.20	$0.92	0.01%
	24,000	$1,499.54	$1,500.50	$0.96	0.06%	$6,991.36	$6,991.36	$0.00	0.00%	$8,490.89	$8,491.85	$0.96	0.01%

FY19		FY20	Difference	Change
First 3 or Less	$148.27	$148.27	$0.00	0.00%
Over 3 Therms per Therm	$0.056880	$0.056920	$0.00	0.07%
Delivery Service Adjustment				
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008756	$0.008756	$0.00	0.00%
Monthly Cost of Gas	$0.282550	$0.282550	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%
Supply	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Summer)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$466.54	$466.54	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$466.54	$466.54	$0.00	0.00%
	3	$466.53	$466.53	$0.00	0.00%	$0.87	$0.87	$0.00	0.00%	$467.41	$467.41	$0.00	0.00%
	100	$470.36	$470.36	$0.00	0.00%	$29.13	$29.13	$0.00	0.00%	$499.49	$499.49	$0.00	0.00%
	500	$486.14	$486.15	$0.01	0.00%	$145.65	$145.65	$0.00	0.00%	$631.79	$631.80	$0.01	0.00%
	1,000	$505.86	$505.89	$0.03	0.01%	$291.31	$291.31	$0.00	0.00%	$797.16	$797.19	$0.03	0.00%
	2,000	$545.30	$545.36	$0.06	0.01%	$582.61	$582.61	$0.00	0.00%	$1,127.91	$1,127.97	$0.06	0.01%
	3,000	$584.74	$584.83	$0.09	0.02%	$873.92	$873.92	$0.00	0.00%	$1,458.66	$1,458.75	$0.09	0.01%
	4,000	$624.18	$624.30	$0.12	0.02%	$1,165.23	$1,165.23	$0.00	0.00%	$1,789.40	$1,789.52	$0.12	0.01%
	5,000	$663.62	$663.77	$0.15	0.02%	$1,456.53	$1,456.53	$0.00	0.00%	$2,120.15	$2,120.30	$0.15	0.01%
Average	6,528	$723.88	$724.08	$0.20	0.03%	$1,901.65	$1,901.65	$0.00	0.00%	$2,625.53	$2,625.73	$0.20	0.01%
	7,000	$742.50	$742.71	$0.21	0.03%	$2,039.15	$2,039.15	$0.00	0.00%	$2,781.64	$2,781.85	$0.21	0.01%
	8,000	$781.94	$782.18	$0.24	0.03%	$2,330.45	$2,330.45	$0.00	0.00%	$3,112.39	$3,112.63	$0.24	0.01%
	9,000	$821.38	$821.65	$0.27	0.03%	$2,621.76	$2,621.76	$0.00	0.00%	$3,443.13	$3,443.40	$0.27	0.01%
	9,200	$829.26	$829.54	$0.28	0.03%	$2,680.02	$2,680.02	$0.00	0.00%	$3,509.28	$3,509.56	$0.28	0.01%
	9,500	$841.10	$841.38	$0.28	0.03%	$2,767.41	$2,767.41	$0.00	0.00%	$3,608.51	$3,608.79	$0.28	0.01%
	10,000	$860.82	$861.12	$0.30	0.03%	$2,913.06	$2,913.06	$0.00	0.00%	$3,773.88	$3,774.18	$0.30	0.01%
	15,000	$1,058.02	$1,058.47	$0.45	0.04%	$4,369.60	$4,369.60	$0.00	0.00%	$5,427.61	$5,428.06	$0.45	0.01%
	20,000	$1,255.22	$1,255.82	$0.60	0.05%	$5,826.13	$5,826.13	$0.00	0.00%	$7,081.35	$7,081.95	$0.60	0.01%
	25,000	$1,452.42	$1,453.17	$0.75	0.05%	$7,282.66	$7,282.66	$0.00	0.00%	$8,735.08	$8,735.83	$0.75	0.01%
	30,000	$1,649.62	$1,650.52	$0.90	0.05%	$8,739.19	$8,739.19	$0.00	0.00%	$10,388.81	$10,389.71	$0.90	0.01%
	35,000	$1,846.82	$1,847.87	$1.05	0.06%	$10,195.73	$10,195.73	$0.00	0.00%	$12,042.54	$12,043.59	$1.05	0.01%
	40,000	$2,044.02	$2,045.22	$1.20	0.06%	$11,652.26	$11,652.26	$0.00	0.00%	$13,696.28	$13,697.48	$1.20	0.01%
	45,000	$2,241.22	$2,242.57	$1.35	0.06%	$13,108.79	$13,108.79	$0.00	0.00%	$15,350.01	$15,351.36	$1.35	0.01%
	50,000	$2,438.42	$2,439.92	$1.50	0.06%	$14,565.32	$14,565.32	$0.00	0.00%	$17,003.74	$17,005.24	$1.50	0.01%
	55,000	$2,635.62	$2,637.27	$1.65	0.06%	$16,021.86	$16,021.86	$0.00	0.00%	$18,657.47	$18,659.12	$1.65	0.01%
	60,000	$2,832.82	$2,834.62	$1.80	0.06%	$17,478.39	$17,478.39	$0.00	0.00%	$20,311.21	$20,313.01	$1.80	0.01%
	65,000	$3,030.02	$3,031.97	$1.95	0.06%	$18,934.92	$18,934.92	$0.00	0.00%	$21,964.94	$21,966.89	$1.95	0.01%
	70,000	$3,227.22	$3,229.32	$2.10	0.07%	$20,391.45	$20,391.45	$0.00	0.00%	$23,618.67	$23,620.77	$2.10	0.01%
	75,000	$3,424.42	$3,426.67	$2.25	0.07%	$21,847.99	$21,847.99	$0.00	0.00%	$25,272.40	$25,274.65	$2.25	0.01%

FY19		FY20		Difference	Change
First 3 or Less	$466.54		$466.54	$0.00	0.00%
Over 3 Therms per Therm	$0.040010		$0.040040	$0.00	0.07%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008756		$0.008756	$0.00	0.00%
Monthly Cost of Gas	$0.282550		$0.282550	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Winter)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$466.54	$466.54	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$466.54	$466.54	$0.00	0.00%
	3	$466.53	$466.53	$0.00	0.00%	$0.87	$0.87	$0.00	0.00%	$467.41	$467.41	$0.00	0.00%
	100	$471.40	$471.40	$0.00	0.00%	$29.13	$29.13	$0.00	0.00%	$500.53	$500.53	$0.00	0.00%
	500	$491.44	$491.46	$0.02	0.00%	$145.65	$145.65	$0.00	0.00%	$637.09	$637.11	$0.02	0.00%
	1,000	$516.49	$516.53	$0.04	0.01%	$291.31	$291.31	$0.00	0.00%	$807.80	$807.84	$0.04	0.00%
	2,000	$566.60	$566.68	$0.08	0.01%	$582.61	$582.61	$0.00	0.00%	$1,149.22	$1,149.30	$0.08	0.01%
	3,000	$616.71	$616.83	$0.12	0.02%	$873.92	$873.92	$0.00	0.00%	$1,490.63	$1,490.75	$0.12	0.01%
	4,000	$666.82	$666.98	$0.16	0.02%	$1,165.23	$1,165.23	$0.00	0.00%	$1,832.05	$1,832.21	$0.16	0.01%
	5,000	$716.93	$717.13	$0.20	0.03%	$1,456.53	$1,456.53	$0.00	0.00%	$2,173.47	$2,173.67	$0.20	0.01%
Average	6,528	$793.50	$793.76	$0.26	0.03%	$1,901.65	$1,901.65	$0.00	0.00%	$2,695.15	$2,695.41	$0.26	0.01%
	7,000	$817.15	$817.43	$0.28	0.03%	$2,039.15	$2,039.15	$0.00	0.00%	$2,856.30	$2,856.58	$0.28	0.01%
	8,000	$867.26	$867.58	$0.32	0.04%	$2,330.45	$2,330.45	$0.00	0.00%	$3,197.72	$3,198.04	$0.32	0.01%
	9,000	$917.37	$917.73	$0.36	0.04%	$2,621.76	$2,621.76	$0.00	0.00%	$3,539.13	$3,539.49	$0.36	0.01%
	9,200	$927.40	$927.76	$0.37	0.04%	$2,680.02	$2,680.02	$0.00	0.00%	$3,607.42	$3,607.78	$0.37	0.01%
	9,500	$942.43	$942.81	$0.38	0.04%	$2,767.41	$2,767.41	$0.00	0.00%	$3,709.84	$3,710.22	$0.38	0.01%
	10,000	$967.48	$967.88	$0.40	0.04%	$2,913.06	$2,913.06	$0.00	0.00%	$3,880.55	$3,880.95	$0.40	0.01%
	15,000	$1,218.03	$1,218.63	$0.60	0.05%	$4,369.60	$4,369.60	$0.00	0.00%	$5,587.63	$5,588.23	$0.60	0.01%
	20,000	$1,468.58	$1,469.38	$0.80	0.05%	$5,826.13	$5,826.13	$0.00	0.00%	$7,294.71	$7,295.51	$0.80	0.01%
	25,000	$1,719.13	$1,720.13	$1.00	0.06%	$7,282.66	$7,282.66	$0.00	0.00%	$9,001.80	$9,002.80	$1.00	0.01%
	30,000	$1,969.68	$1,970.88	$1.20	0.06%	$8,739.19	$8,739.19	$0.00	0.00%	$10,708.88	$10,710.08	$1.20	0.01%
	35,000	$2,220.23	$2,221.63	$1.40	0.06%	$10,195.73	$10,195.73	$0.00	0.00%	$12,415.96	$12,417.36	$1.40	0.01%
	40,000	$2,470.78	$2,472.38	$1.60	0.06%	$11,652.26	$11,652.26	$0.00	0.00%	$14,123.04	$14,124.64	$1.60	0.01%
	45,000	$2,721.33	$2,723.13	$1.80	0.07%	$13,108.79	$13,108.79	$0.00	0.00%	$15,830.13	$15,831.93	$1.80	0.01%
	50,000	$2,971.88	$2,973.88	$2.00	0.07%	$14,565.32	$14,565.32	$0.00	0.00%	$17,537.21	$17,539.21	$2.00	0.01%
	55,000	$3,222.43	$3,224.63	$2.20	0.07%	$16,021.86	$16,021.86	$0.00	0.00%	$19,244.29	$19,246.49	$2.20	0.01%
	60,000	$3,472.98	$3,475.38	$2.40	0.07%	$17,478.39	$17,478.39	$0.00	0.00%	$20,951.37	$20,953.77	$2.40	0.01%
	65,000	$3,723.53	$3,726.13	$2.60	0.07%	$18,934.92	$18,934.92	$0.00	0.00%	$22,658.46	$22,661.06	$2.60	0.01%
	70,000	$3,974.08	$3,976.88	$2.80	0.07%	$20,391.45	$20,391.45	$0.00	0.00%	$24,365.54	$24,368.34	$2.80	0.01%
	75,000	$4,224.63	$4,227.63	$3.00	0.07%	$21,847.99	$21,847.99	$0.00	0.00%	$26,072.62	$26,075.62	$3.00	0.01%

FY19		FY20		Difference	Change
First 3 or Less	$466.54		$466.54	$0.00	0.00%
Over 3 Therms per Therm	$0.050680		$0.050720	$0.00	0.08%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008756		$0.008756	$0.00	0.00%
Monthly Cost of Gas	$0.282550		$0.282550	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 13 Distributed Generation - Residential
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	$28.12	$28.12	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$28.12	$28.12	$0.00	0.00%
	3	$28.12	$28.12	$0.00	0.00%	$0.99	$0.99	$0.00	0%	$29.11	$29.11	$0.00	0.00%
	10	$28.40	$28.40	$0.00	0.00%	$3.29	$3.29	$0.00	0%	$31.68	$31.68	$0.00	0.00%
	15	$28.59	$28.59	$0.00	0.00%	$4.93	$4.93	$0.00	0%	$33.53	$33.53	$0.00	0.00%
	20	$28.79	$28.79	$0.00	0.00%	$6.58	$6.58	$0.00	0%	$35.37	$35.37	$0.00	0.00%
	25	$28.99	$28.99	$0.00	0.00%	$8.22	$8.22	$0.00	0%	$37.21	$37.21	$0.00	0.00%
	30	$29.18	$29.18	$0.00	0.00%	$9.86	$9.86	$0.00	0%	$39.05	$39.05	$0.00	0.00%
	40	$29.58	$29.58	$0.00	0.00%	$13.15	$13.15	$0.00	0%	$42.73	$42.73	$0.00	0.00%
	50	$29.97	$29.97	$0.00	0.00%	$16.44	$16.44	$0.00	0%	$46.41	$46.41	$0.00	0.00%
	60	$30.36	$30.36	$0.00	0.00%	$19.73	$19.73	$0.00	0%	$50.09	$50.09	$0.00	0.00%
	70	$30.76	$30.76	$0.00	0.00%	$23.02	$23.02	$0.00	0%	$53.78	$53.78	$0.00	0.00%
	80	$31.15	$31.15	$0.00	0.00%	$26.31	$26.31	$0.00	0%	$57.46	$57.46	$0.00	0.00%
	90	$31.54	$31.54	$0.00	0.00%	$29.59	$29.59	$0.00	0%	$61.14	$61.14	$0.00	0.00%
	95	$31.74	$31.74	$0.00	0.00%	$31.24	$31.24	$0.00	0%	$62.98	$62.98	$0.00	0.00%
Average	101	$31.98	$31.98	$0.00	0.00%	$33.21	$33.21	$0.00	0%	$65.19	$65.19	$0.00	0.00%
	160	$34.30	$34.30	$0.00	0.00%	$52.61	$52.61	$0.00	0%	$86.91	$86.91	$0.00	0.00%
	180	$35.09	$35.09	$0.00	0.00%	$59.19	$59.19	$0.00	0%	$94.27	$94.27	$0.00	0.00%
	200	$35.87	$35.87	$0.00	0.00%	$65.76	$65.76	$0.00	0%	$101.64	$101.64	$0.00	0.00%
	220	$36.66	$36.66	$0.00	0.00%	$72.34	$72.34	$0.00	0%	$109.00	$109.00	$0.00	0.00%
	250	$37.84	$37.84	$0.00	0.00%	$82.21	$82.21	$0.00	0%	$120.05	$120.05	$0.00	0.00%
	300	$39.81	$39.81	$0.00	0.00%	$98.65	$98.65	$0.00	0%	$138.46	$138.46	$0.00	0.00%
	400	$43.75	$43.75	$0.00	0.00%	$131.53	$131.53	$0.00	0%	$175.27	$175.27	$0.00	0.00%

FY19		FY20		Difference	Change
First 3 or Less	$27.56		$27.56	$0.00	0.00%
Over 3 Therms per Therm	$0.039140		$0.039140	$0.00	0.00%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.009262		$0.009262	$0.00	0.00%
Monthly Cost of Gas	$0.319560		$0.319560	$0.00	0.00%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 1 Residential Non-Heat and Heat
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$20.77	$20.77	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$20.77	$20.77	$0.00	0.00%
	3	$20.78	$20.78	$0.00	0.00%	$1.00	$1.00	$0.00	0%	$21.78	$21.78	$0.00	0.00%
	10	$24.31	$24.74	$0.43	1.78%	$3.33	$3.33	$0.00	0%	$27.64	$28.07	$0.43	1.57%
	15	$26.83	$27.57	$0.74	2.77%	$4.99	$4.99	$0.00	0%	$31.82	$32.56	$0.74	2.33%
	20	$29.35	$30.40	$1.05	3.58%	$6.65	$6.65	$0.00	0%	$36.00	$37.05	$1.05	2.92%
	25	$31.86	$33.22	$1.36	4.27%	$8.32	$8.32	$0.00	0%	$40.18	$41.54	$1.36	3.39%
	30	$34.38	$36.05	$1.67	4.86%	$9.98	$9.98	$0.00	0%	$44.36	$46.03	$1.67	3.76%
	40	$39.42	$41.70	$2.29	5.80%	$13.31	$13.31	$0.00	0%	$52.72	$55.01	$2.29	4.34%
	50	$44.45	$47.36	$2.91	6.54%	$16.63	$16.63	$0.00	0%	$61.09	$63.99	$2.91	4.76%
	60	$45.34	$48.35	$3.01	6.64%	$19.96	$19.96	$0.00	0%	$65.30	$68.31	$3.01	4.61%
	70	$46.23	$49.34	$3.11	6.73%	$23.29	$23.29	$0.00	0%	$69.51	$72.63	$3.11	4.48%
Average	77	$46.85	$50.03	$3.18	6.80%	$25.61	$25.61	$0.00	0%	$72.46	$75.65	$3.18	4.39%
	83	$47.38	$50.63	$3.25	6.85%	$27.61	$27.61	$0.00	0%	$74.99	$78.24	$3.25	4.33%
	120	$50.66	$54.29	$3.63	7.16%	$39.92	$39.92	$0.00	0%	$90.58	$94.21	$3.63	4.00%
	140	$52.44	$56.27	$3.83	7.31%	$46.57	$46.57	$0.00	0%	$99.01	$102.84	$3.83	3.87%
	160	$54.21	$58.25	$4.04	7.45%	$53.22	$53.22	$0.00	0%	$107.44	$111.48	$4.04	3.76%
	180	$55.99	$60.23	$4.24	7.58%	$59.88	$59.88	$0.00	0%	$115.87	$120.11	$4.24	3.66%
	200	$57.76	$62.21	$4.45	7.70%	$66.53	$66.53	$0.00	0%	$124.29	$128.74	$4.45	3.58%
	220	$59.54	$64.19	$4.65	7.82%	$73.18	$73.18	$0.00	0%	$132.72	$137.38	$4.65	3.51%
	250	$62.20	$67.16	$4.96	7.98%	$83.16	$83.16	$0.00	0%	$145.36	$150.33	$4.96	3.41%
	300	$66.64	$72.11	$5.48	8.22%	$99.80	$99.80	$0.00	0%	$166.43	$171.91	$5.48	3.29%
	400	$75.51	$82.01	$6.50	8.61%	$133.06	$133.06	$0.00	0%	$208.57	$215.08	$6.50	3.12%

FY20		FY21		Difference	Change
First 3 or Less	$20.35		$20.35	$0.00	0.00%
Next 47 Therms per Therm	$0.48728		$0.54788	$0.06	12.44%
Over 50 Therms per Therm	$0.08074		$0.09081	$0.01	12.47%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.002170		$0.002170	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.004626		$0.004626	$0.00	0.00%
Merchant Function Charge	$0.020025		$0.020025	$0.000	0.00%
Monthly Cost of Gas	$0.312630		$0.312630	$0.00	0.00%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 1 Residential Non-Heat and Heat (Tier 1)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$17.70	$17.70	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$17.70	$17.70	$0.00	0.00%
	3	$17.72	$17.72	$0.00	0.00%	$1.00	$1.00	$0.00	0%	$18.72	$18.72	$0.00	0.00%
	10	$21.25	$21.68	$0.43	2.04%	$3.33	$3.33	$0.00	0%	$24.57	$25.01	$0.43	1.76%
	15	$23.77	$24.51	$0.74	3.12%	$4.99	$4.99	$0.00	0%	$28.76	$29.50	$0.74	2.58%
	20	$26.28	$27.34	$1.05	4.00%	$6.65	$6.65	$0.00	0%	$32.94	$33.99	$1.05	3.19%
	25	$28.80	$30.16	$1.36	4.72%	$8.32	$8.32	$0.00	0%	$37.12	$38.48	$1.36	3.67%
	30	$31.32	$32.99	$1.67	5.33%	$9.98	$9.98	$0.00	0%	$41.30	$42.97	$1.67	4.04%
	40	$36.36	$38.64	$2.29	6.29%	$13.31	$13.31	$0.00	0%	$49.66	$51.95	$2.29	4.61%
	50	$41.39	$44.30	$2.91	7.02%	$16.63	$16.63	$0.00	0%	$58.02	$60.93	$2.91	5.01%
	60	$42.28	$45.29	$3.01	7.12%	$19.96	$19.96	$0.00	0%	$62.24	$65.25	$3.01	4.83%
	70	$43.17	$46.28	$3.11	7.21%	$23.29	$23.29	$0.00	0%	$66.45	$69.56	$3.11	4.68%
Average	90	$44.94	$48.26	$3.32	7.38%	$29.94	$29.94	$0.00	0%	$74.88	$78.20	$3.32	4.43%
	100	$45.83	$49.25	$3.42	7.46%	$33.27	$33.27	$0.00	0%	$79.09	$82.51	$3.42	4.32%
	120	$47.60	$51.23	$3.63	7.62%	$39.92	$39.92	$0.00	0%	$87.52	$91.15	$3.63	4.14%
	140	$49.38	$53.21	$3.83	7.76%	$46.57	$46.57	$0.00	0%	$95.95	$99.78	$3.83	3.99%
	160	$51.15	$55.19	$4.04	7.89%	$53.22	$53.22	$0.00	0%	$104.38	$108.41	$4.04	3.87%
	180	$52.93	$57.17	$4.24	8.01%	$59.88	$59.88	$0.00	0%	$112.81	$117.05	$4.24	3.76%
	200	$54.70	$59.15	$4.45	8.13%	$66.53	$66.53	$0.00	0%	$121.23	$125.68	$4.45	3.67%
	220	$56.48	$61.13	$4.65	8.24%	$73.18	$73.18	$0.00	0%	$129.66	$134.31	$4.65	3.59%
	250	$59.14	$64.10	$4.96	8.39%	$83.16	$83.16	$0.00	0%	$142.30	$147.26	$4.96	3.49%
	300	$63.58	$69.05	$5.48	8.61%	$99.80	$99.80	$0.00	0%	$163.37	$168.85	$5.48	3.35%
	400	$72.45	$78.95	$6.50	8.98%	$133.06	$133.06	$0.00	0%	$205.51	$212.02	$6.50	3.16%

FY20		FY21		Difference	Change
First 3 or Less	$17.35		$17.35	$0.00	0.00%
Next 47 Therms per Therm	$0.487280		$0.54788	$0.06	12.44%
Over 50 Therms per Therm	$0.080740		$0.09081	$0.01	12.47%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.002170		$0.002170	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.004626		$0.004626	$0.00	0.00%
Merchant Function Charge	$0.020025		$0.020025	$0.00	0.00%
Monthly Cost of Gas	$0.312630		$0.312630	$0.00	0.00%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

The SC-1 low income bill impacts are using the Energy Affordability Credit of a $3 for a customer in the Tier 1 benefit level.
In accordance with the Order in Case 14-M-0465 issued February 17, 2017, there are five Energy Affordability Credit tiers.
The Heating customers Tiers : Tier 1: $3.00, Tier 2: $10.00, Tier 3: $29.00, Tier 4: $12.00, Tier 5: $3.00
The Non-Heating customers Tiers : Tier 1-Tier 5: $3.00

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Residential
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
	3	$24.30	$24.30	$0.00	0.00%	$0.96	$0.96	$0.00	0%	$25.26	$25.26	$0.00	0.00%
	10	$26.66	$26.82	$0.17	0.62%	$3.19	$3.19	$0.00	0%	$29.85	$30.01	$0.17	0.55%
	15	$28.34	$28.62	$0.28	1.00%	$4.79	$4.79	$0.00	0%	$33.12	$33.40	$0.28	0.86%
	20	$30.02	$30.42	$0.40	1.34%	$6.38	$6.38	$0.00	0%	$36.40	$36.80	$0.40	1.10%
	25	$31.70	$32.21	$0.52	1.64%	$7.98	$7.98	$0.00	0%	$39.67	$40.19	$0.52	1.31%
	30	$33.37	$34.01	$0.64	1.91%	$9.57	$9.57	$0.00	0%	$42.95	$43.58	$0.64	1.48%
	40	$36.73	$37.61	$0.87	2.38%	$12.76	$12.76	$0.00	0%	$49.49	$50.37	$0.87	1.76%
	50	$40.09	$41.20	$1.11	2.77%	$15.95	$15.95	$0.00	0%	$56.04	$57.15	$1.11	1.98%
	55	$41.77	$43.00	$1.23	2.94%	$17.55	$17.55	$0.00	0%	$59.32	$60.55	$1.23	2.07%
	60	$43.45	$44.80	$1.35	3.10%	$19.14	$19.14	$0.00	0%	$62.59	$63.94	$1.35	2.15%
	65	$45.13	$46.60	$1.46	3.24%	$20.74	$20.74	$0.00	0%	$65.87	$67.33	$1.46	2.22%
	70	$46.81	$48.39	$1.58	3.38%	$22.33	$22.33	$0.00	0%	$69.14	$70.72	$1.58	2.29%
	75	$48.49	$50.19	$1.70	3.51%	$23.93	$23.93	$0.00	0%	$72.42	$74.12	$1.70	2.35%
	80	$50.17	$51.99	$1.82	3.62%	$25.52	$25.52	$0.00	0%	$75.69	$77.51	$1.82	2.40%
	85	$51.85	$53.79	$1.94	3.73%	$27.12	$27.12	$0.00	0%	$78.97	$80.90	$1.94	2.45%
	90	$53.53	$55.58	$2.05	3.84%	$28.71	$28.71	$0.00	0%	$82.24	$84.30	$2.05	2.50%
	95	$55.21	$57.38	$2.17	3.93%	$30.31	$30.31	$0.00	0%	$85.52	$87.69	$2.17	2.54%
	100	$56.89	$59.18	$2.29	4.03%	$31.90	$31.90	$0.00	0%	$88.79	$91.08	$2.29	2.58%
Average	132	$67.64	$70.68	$3.05	4.50%	$42.11	$42.11	$0.00	0%	$109.75	$112.79	$3.05	2.78%
	200	$90.48	$95.13	$4.65	5.14%	$63.80	$63.80	$0.00	0%	$154.28	$158.94	$4.65	3.01%
	400	$141.39	$149.58	$8.19	5.79%	$127.61	$127.61	$0.00	0%	$269.00	$277.18	$8.19	3.04%
	500	$161.42	$170.98	$9.56	5.92%	$159.51	$159.51	$0.00	0%	$320.93	$330.49	$9.56	2.98%
	600	$181.45	$192.38	$10.93	6.02%	$191.41	$191.41	$0.00	0%	$372.86	$383.79	$10.93	2.93%
	1,000	$261.57	$277.98	$16.41	6.27%	$319.02	$319.02	$0.00	0%	$580.59	$597.00	$16.41	2.83%
	1,500	$361.72	$384.99	$23.27	6.43%	$478.53	$478.53	$0.00	0%	$840.25	$863.51	$23.27	2.77%
	2,000	$461.87	$491.99	$30.12	6.52%	$638.04	$638.04	$0.00	0%	$1,099.91	$1,130.03	$30.12	2.74%
	2,570	$576.04	$613.98	$37.94	6.59%	$819.88	$819.88	$0.00	0%	$1,395.92	$1,433.85	$37.94	2.72%
	3,000	$662.17	$706.00	$43.83	6.62%	$957.05	$957.05	$0.00	0%	$1,619.22	$1,663.05	$43.83	2.71%
	4,000	$862.47	$920.01	$57.54	6.67%	$1,276.07	$1,276.07	$0.00	0%	$2,138.54	$2,196.08	$57.54	2.69%
	4,500	$962.62	$1,027.02	$64.40	6.69%	$1,435.58	$1,435.58	$0.00	0%	$2,398.20	$2,462.59	$64.40	2.69%
	5,000	$1,062.77	$1,134.02	$71.25	6.70%	$1,595.09	$1,595.09	$0.00	0%	$2,657.86	$2,729.11	$71.25	2.68%
	5,500	$1,098.84	$1,172.28	$73.44	6.68%	$1,754.60	$1,754.60	$0.00	0%	$2,853.44	$2,926.88	$73.44	2.57%
	6,000	$1,134.92	$1,210.54	$75.62	6.66%	$1,914.11	$1,914.11	$0.00	0%	$3,049.02	$3,124.65	$75.62	2.48%
	7,000	$1,207.07	$1,287.06	$79.99	6.63%	$2,233.12	$2,233.12	$0.00	0%	$3,440.19	$3,520.18	$79.99	2.33%
	8,000	$1,279.22	$1,363.58	$84.36	6.59%	$2,552.14	$2,552.14	$0.00	0%	$3,831.36	$3,915.72	$84.36	2.20%
	9,000	$1,351.37	$1,440.10	$88.73	6.57%	$2,871.16	$2,871.16	$0.00	0%	$4,222.53	$4,311.26	$88.73	2.10%
	10,000	$1,423.52	$1,516.62	$93.10	6.54%	$3,190.18	$3,190.18	$0.00	0%	$4,613.69	$4,706.79	$93.10	2.02%

FY20		FY21		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.324320		$0.347930	$0.02	7.28%
Next 4,720 Therms per Therm	$0.188700		$0.202410	$0.01	7.27%
Over 5,000 Therms per Therm	$0.060550		$0.064920	$0.00	7.22%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.009260		$0.009260	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Merchant Function Charge	$0.008978		$0.008978	$0.00	0.00%
Monthly Cost of Gas	$0.310040		$0.310040	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Commercial
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
	3	$24.19	$24.19	$0.00	0.00%	$0.96	$0.96	$0.00	0%	$25.15	$25.15	$0.00	0.00%
	10	$26.28	$26.45	$0.17	0.63%	$3.19	$3.19	$0.00	0%	$29.47	$29.64	$0.17	0.56%
	15	$27.78	$28.06	$0.28	1.02%	$4.79	$4.79	$0.00	0%	$32.56	$32.85	$0.28	0.87%
	20	$29.27	$29.67	$0.40	1.37%	$6.38	$6.38	$0.00	0%	$35.65	$36.05	$0.40	1.13%
	25	$30.77	$31.29	$0.52	1.69%	$7.98	$7.98	$0.00	0%	$38.74	$39.26	$0.52	1.34%
	30	$32.26	$32.90	$0.64	1.98%	$9.57	$9.57	$0.00	0%	$41.83	$42.47	$0.64	1.52%
	40	$35.25	$36.12	$0.87	2.48%	$12.76	$12.76	$0.00	0%	$48.01	$48.88	$0.87	1.82%
	50	$38.23	$39.34	$1.11	2.90%	$15.95	$15.95	$0.00	0%	$54.19	$55.30	$1.11	2.05%
	60	$41.22	$42.57	$1.35	3.26%	$19.14	$19.14	$0.00	0%	$60.36	$61.71	$1.35	2.23%
	70	$44.21	$45.79	$1.58	3.58%	$22.33	$22.33	$0.00	0%	$66.54	$68.12	$1.58	2.38%
	80	$47.20	$49.01	$1.82	3.85%	$25.52	$25.52	$0.00	0%	$72.72	$74.54	$1.82	2.50%
	100	$53.17	$55.46	$2.29	4.31%	$31.90	$31.90	$0.00	0%	$85.07	$87.36	$2.29	2.69%
	120	$59.15	$61.91	$2.76	4.67%	$38.28	$38.28	$0.00	0%	$97.43	$100.19	$2.76	2.84%
	140	$65.12	$68.36	$3.23	4.97%	$44.66	$44.66	$0.00	0%	$109.78	$113.02	$3.23	2.95%
	160	$71.10	$74.80	$3.71	5.21%	$51.04	$51.04	$0.00	0%	$122.14	$125.85	$3.71	3.03%
	180	$77.07	$81.25	$4.18	5.42%	$57.42	$57.42	$0.00	0%	$134.50	$138.67	$4.18	3.11%
	200	$83.05	$87.70	$4.65	5.60%	$63.80	$63.80	$0.00	0%	$146.85	$151.50	$4.65	3.17%
	250	$97.98	$103.82	$5.83	5.95%	$79.75	$79.75	$0.00	0%	$177.74	$183.57	$5.83	3.28%
	300	$110.21	$117.02	$6.81	6.18%	$95.71	$95.71	$0.00	0%	$205.91	$212.73	$6.81	3.31%
Average	389	$124.73	$132.76	$8.03	6.44%	$124.10	$124.10	$0.00	0%	$248.83	$256.86	$8.03	3.23%
	400	$126.52	$134.71	$8.19	6.47%	$127.61	$127.61	$0.00	0%	$254.13	$262.31	$8.19	3.22%
	500	$142.84	$152.39	$9.56	6.69%	$159.51	$159.51	$0.00	0%	$302.34	$311.90	$9.56	3.16%
	600	$159.15	$170.08	$10.93	6.87%	$191.41	$191.41	$0.00	0%	$350.56	$361.49	$10.93	3.12%
	1,000	$224.40	$240.81	$16.41	7.31%	$319.02	$319.02	$0.00	0%	$543.42	$559.83	$16.41	3.02%
	1,500	$305.97	$329.23	$23.27	7.60%	$478.53	$478.53	$0.00	0%	$784.49	$807.76	$23.27	2.97%
	2,000	$387.53	$417.65	$30.12	7.77%	$638.04	$638.04	$0.00	0%	$1,025.57	$1,055.69	$30.12	2.94%
	2,570	$480.51	$518.45	$37.94	7.89%	$819.88	$819.88	$0.00	0%	$1,300.39	$1,338.32	$37.94	2.92%
	3,000	$550.66	$594.49	$43.83	7.96%	$957.05	$957.05	$0.00	0%	$1,507.71	$1,551.54	$43.83	2.91%
	4,000	$713.79	$771.33	$57.54	8.06%	$1,276.07	$1,276.07	$0.00	0%	$1,989.86	$2,047.40	$57.54	2.89%
	4,500	$795.35	$859.75	$64.40	8.10%	$1,435.58	$1,435.58	$0.00	0%	$2,230.93	$2,295.33	$64.40	2.89%
	5,000	$876.92	$948.17	$71.25	8.13%	$1,595.09	$1,595.09	$0.00	0%	$2,472.01	$2,543.26	$71.25	2.88%
	5,500	$894.41	$967.85	$73.44	8.21%	$1,754.60	$1,754.60	$0.00	0%	$2,649.01	$2,722.44	$73.44	2.77%
	6,000	$911.90	$987.52	$75.62	8.29%	$1,914.11	$1,914.11	$0.00	0%	$2,826.00	$2,901.63	$75.62	2.68%
	7,000	$946.88	$1,026.87	$79.99	8.45%	$2,233.12	$2,233.12	$0.00	0%	$3,180.00	$3,259.99	$79.99	2.52%
	8,000	$981.86	$1,066.22	$84.36	8.59%	$2,552.14	$2,552.14	$0.00	0%	$3,534.00	$3,618.36	$84.36	2.39%
	9,000	$1,016.84	$1,105.57	$88.73	8.73%	$2,871.16	$2,871.16	$0.00	0%	$3,888.00	$3,976.73	$88.73	2.28%
	10,000	$1,051.82	$1,144.92	$93.10	8.85%	$3,190.18	$3,190.18	$0.00	0%	$4,241.99	$4,335.09	$93.10	2.19%

FY20		FY21		Difference	Change
First 3 or Less	$24.27		$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.324320		$0.347930	$0.02	7.28%
Next 4,720 Therms per Therm	$0.188700		$0.202410	$0.01	7.27%
Over 5,000 Therms per Therm	$0.060550		$0.064920	$0.00	7.22%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	-$0.027910		-$0.027910	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Merchant Function Charge	$0.008978		$0.008978	$0.00	0.00%
Monthly Cost of Gas	$0.310040		$0.310040	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 2 Small General - Industrial
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

	Delivery				Commodity				Total			
Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
0	$24.27	$24.27	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$24.27	$24.27	$0.00	0.00%
3	$24.26	$24.26	$0.00	0.00%	$0.96	$0.96	$0.00	0%	$25.22	$25.22	$0.00	0.00%
10	$26.50	$26.67	$0.17	0.62%	$3.19	$3.19	$0.00	0%	$29.69	$29.86	$0.17	0.56%
15	$28.10	$28.39	$0.28	1.01%	$4.79	$4.79	$0.00	0%	$32.89	$33.17	$0.28	0.86%
20	$29.70	$30.11	$0.40	1.35%	$6.38	$6.38	$0.00	0%	$36.08	$36.49	$0.40	1.11%
25	$31.31	$31.83	$0.52	1.66%	$7.98	$7.98	$0.00	0%	$39.28	$39.80	$0.52	1.32%
30	$32.91	$33.55	$0.64	1.94%	$9.57	$9.57	$0.00	0%	$42.48	$43.12	$0.64	1.50%
40	$36.11	$36.98	$0.87	2.42%	$12.76	$12.76	$0.00	0%	$48.87	$49.75	$0.87	1.79%
50	$39.32	$40.42	$1.11	2.82%	$15.95	$15.95	$0.00	0%	$55.27	$56.38	$1.11	2.01%
60	$42.52	$43.86	$1.35	3.17%	$19.14	$19.14	$0.00	0%	$61.66	$63.01	$1.35	2.18%
70	$45.72	$47.30	$1.58	3.46%	$22.33	$22.33	$0.00	0%	$68.05	$69.64	$1.58	2.32%
80	$48.93	$50.74	$1.82	3.72%	$25.52	$25.52	$0.00	0%	$74.45	$76.27	$1.82	2.44%
100	$55.33	$57.62	$2.29	4.14%	$31.90	$31.90	$0.00	0%	$87.23	$89.52	$2.29	2.63%
120	$61.74	$64.50	$2.76	4.47%	$38.28	$38.28	$0.00	0%	$100.02	$102.78	$2.76	2.76%
140	$68.15	$71.38	$3.23	4.75%	$44.66	$44.66	$0.00	0%	$112.81	$116.04	$3.23	2.87%
160	$74.55	$78.26	$3.71	4.97%	$51.04	$51.04	$0.00	0%	$125.60	$129.30	$3.71	2.95%
180	$80.96	$85.14	$4.18	5.16%	$57.42	$57.42	$0.00	0%	$138.38	$142.56	$4.18	3.02%
200	$87.37	$92.02	$4.65	5.32%	$63.80	$63.80	$0.00	0%	$151.17	$155.82	$4.65	3.08%
250	$103.39	$109.22	$5.83	5.64%	$79.75	$79.75	$0.00	0%	$183.14	$188.97	$5.83	3.18%
300	$116.69	$123.51	$6.81	5.84%	$95.71	$95.71	$0.00	0%	$212.40	$219.21	$6.81	3.21%
350	$125.93	$133.43	$7.50	5.96%	$111.66	$111.66	$0.00	0%	$237.59	$245.09	$7.50	3.16%
400	$135.17	$143.35	$8.19	6.06%	$127.61	$127.61	$0.00	0%	$262.77	$270.96	$8.19	3.11%
500	$153.64	$163.20	$9.56	6.22%	$159.51	$159.51	$0.00	0%	$313.15	$322.71	$9.56	3.05%
600	$172.11	$183.04	$10.93	6.35%	$191.41	$191.41	$0.00	0%	$363.52	$374.45	$10.93	3.01%
Average 1,555	$348.54	$372.56	$24.02	6.89%	$496.07	$496.07	$0.00	0%	$844.61	$868.63	$24.02	2.84%
1,750	$384.57	$411.26	$26.69	6.94%	$558.28	$558.28	$0.00	0%	$942.85	$969.54	$26.69	2.83%
2,000	$430.75	$460.87	$30.12	6.99%	$638.04	$638.04	$0.00	0%	$1,068.79	$1,098.91	$30.12	2.82%
2,570	$536.05	$573.99	$37.94	7.08%	$819.88	$819.88	$0.00	0%	$1,355.93	$1,393.86	$37.94	2.80%
3,000	$615.49	$659.32	$43.83	7.12%	$957.05	$957.05	$0.00	0%	$1,572.54	$1,616.37	$43.83	2.79%
4,000	$800.23	$857.77	$57.54	7.19%	$1,276.07	$1,276.07	$0.00	0%	$2,076.30	$2,133.84	$57.54	2.77%
4,500	$892.60	$957.00	$64.40	7.21%	$1,435.58	$1,435.58	$0.00	0%	$2,328.18	$2,392.57	$64.40	2.77%
5,000	$984.97	$1,056.22	$71.25	7.23%	$1,595.09	$1,595.09	$0.00	0%	$2,580.06	$2,651.31	$71.25	2.76%
5,500	$1,013.26	$1,086.70	$73.44	7.25%	$1,754.60	$1,754.60	$0.00	0%	$2,767.86	$2,841.30	$73.44	2.65%
6,000	$1,041.56	$1,117.18	$75.62	7.26%	$1,914.11	$1,914.11	$0.00	0%	$2,955.66	$3,031.29	$75.62	2.56%
7,000	$1,098.15	$1,178.14	$79.99	7.28%	$2,233.12	$2,233.12	$0.00	0%	$3,331.27	$3,411.26	$79.99	2.40%
8,000	$1,154.74	$1,239.10	$84.36	7.31%	$2,552.14	$2,552.14	$0.00	0%	$3,706.88	$3,791.24	$84.36	2.28%
9,000	$1,211.33	$1,300.06	$88.73	7.33%	$2,871.16	$2,871.16	$0.00	0%	$4,082.49	$4,171.22	$88.73	2.17%
10,000	$1,267.92	$1,361.02	$93.10	7.34%	$3,190.18	$3,190.18	$0.00	0%	$4,458.09	$4,551.19	$93.10	2.09%

FY20		FY21	Difference	Change
First 3 or Less	$24.27	$24.27	$0.00	0.00%
Next 277 Therms per Therm	$0.324320	$0.347930	$0.02	7.28%
Next 4,720 Therms per Therm	$0.188700	$0.202410	$0.01	7.27%
Over 5,000 Therms per Therm	$0.060550	$0.064920	$0.00	7.22%
Delivery Service Adjustment				
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570	-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	-$0.006300	-$0.006300	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910	$0.002910	$0.00	0.00%
Merchant Function Charge	$0.008978	$0.008978	$0.00	0.00%
Monthly Cost of Gas	$0.310040	$0.310040	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%
Supply	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 3 Large General Gas Supply
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	5,000	$792.97	$792.97	$0.00	0.00%	$1,511.76	$1,511.76	$0.00	0.00%	$2,304.73	$2,304.73	$0.00	0.00%
	6,000	$898.11	$906.27	$8.16	0.91%	$1,814.12	$1,814.12	$0.00	0.00%	$2,712.22	$2,720.38	$8.16	0.30%
	7,000	$1,003.25	$1,019.57	$16.32	1.63%	$2,116.47	$2,116.47	$0.00	0.00%	$3,119.72	$3,136.04	$16.32	0.52%
	8,000	$1,108.39	$1,132.87	$24.48	2.21%	$2,418.82	$2,418.82	$0.00	0.00%	$3,527.21	$3,551.69	$24.48	0.69%
	9,000	$1,213.53	$1,246.17	$32.64	2.69%	$2,721.17	$2,721.17	$0.00	0.00%	$3,934.70	$3,967.34	$32.64	0.83%
	10,000	$1,318.67	$1,359.47	$40.80	3.09%	$3,023.53	$3,023.53	$0.00	0.00%	$4,342.19	$4,382.99	$40.80	0.94%
	11,000	$1,423.81	$1,472.77	$48.96	3.44%	$3,325.88	$3,325.88	$0.00	0.00%	$4,749.69	$4,798.65	$48.96	1.03%
	12,000	$1,528.95	$1,586.07	$57.12	3.74%	$3,628.23	$3,628.23	$0.00	0.00%	$5,157.18	$5,214.30	$57.12	1.11%
	13,000	$1,634.09	$1,699.37	$65.28	3.99%	$3,930.59	$3,930.59	$0.00	0.00%	$5,564.67	$5,629.95	$65.28	1.17%
	15,000	$1,844.37	$1,925.97	$81.60	4.42%	$4,535.29	$4,535.29	$0.00	0.00%	$6,379.66	$6,461.26	$81.60	1.28%
Average	19,995	$2,369.54	$2,491.90	$122.36	5.16%	$6,045.54	$6,045.54	$0.00	0.00%	$8,415.08	$8,537.44	$122.36	1.45%
	20,000	$2,370.06	$2,492.46	$122.40	5.16%	$6,047.05	$6,047.05	$0.00	0.00%	$8,417.12	$8,539.52	$122.40	1.45%
	21,000	$2,475.20	$2,605.76	$130.56	5.27%	$6,349.41	$6,349.41	$0.00	0.00%	$8,824.61	$8,955.17	$130.56	1.48%
	24,000	$2,790.62	$2,945.66	$155.04	5.56%	$7,256.47	$7,256.47	$0.00	0.00%	$10,047.09	$10,202.13	$155.04	1.54%
	27,000	$3,106.04	$3,285.56	$179.52	5.78%	$8,163.52	$8,163.52	$0.00	0.00%	$11,269.56	$11,449.08	$179.52	1.59%
	30,000	$3,421.46	$3,625.46	$204.00	5.96%	$9,070.58	$9,070.58	$0.00	0.00%	$12,492.04	$12,696.04	$204.00	1.63%
	35,000	$3,947.16	$4,191.96	$244.80	6.20%	$10,582.35	$10,582.35	$0.00	0.00%	$14,529.50	$14,774.30	$244.80	1.68%
	40,000	$4,472.86	$4,758.46	$285.60	6.39%	$12,094.11	$12,094.11	$0.00	0.00%	$16,566.97	$16,852.57	$285.60	1.72%
	45,000	$4,998.56	$5,324.96	$326.40	6.53%	$13,605.87	$13,605.87	$0.00	0.00%	$18,604.43	$18,930.83	$326.40	1.75%
	50,000	$5,524.25	$5,891.45	$367.20	6.65%	$15,117.64	$15,117.64	$0.00	0.00%	$20,641.89	$21,009.09	$367.20	1.78%
	60,000	$6,575.65	$7,024.45	$448.80	6.83%	$18,141.16	$18,141.16	$0.00	0.00%	$24,716.81	$25,165.61	$448.80	1.82%
	70,000	$7,627.05	$8,157.45	$530.40	6.95%	$21,164.69	$21,164.69	$0.00	0.00%	$28,791.74	$29,322.14	$530.40	1.84%

FY20		FY21		Difference	Change
First 5,000 or Less	$781.27		$781.27	$0.00	0.00%
Over 5,000 Therms per Therm	$0.102800		$0.110960	$0.01	7.94%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Merchant Function Charge	$0.008753		$0.008753	$0.00	0.00%
Monthly Cost of Gas	$0.293600		$0.293600	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 5 Firm Gas Transportation
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

	Therm Usage	Delivery			
		FY20	FY21	Difference	Change
	100	$587.52	$619.97	$32.45	5.52%
	500	$618.79	$652.69	$33.90	5.48%
	1,000	$657.87	$693.58	$35.72	5.43%
	5,000	$970.51	$1,020.74	$50.24	5.18%
	10,000	$1,361.30	$1,429.69	$68.39	5.02%
	15,000	$1,752.10	$1,838.64	$86.54	4.94%
	20,000	$2,142.90	$2,247.59	$104.69	4.89%
	25,000	$2,533.70	$2,656.54	$122.84	4.85%
	30,000	$2,924.50	$3,065.49	$140.99	4.82%
Average	42,274	$3,883.83	$4,069.37	$185.54	4.78%
	44,000	$4,018.73	$4,210.54	$191.81	4.77%
	45,000	$4,096.89	$4,292.33	$195.44	4.77%
	50,000	$4,487.69	$4,701.28	$213.59	4.76%
	55,000	$4,878.49	$5,110.23	$231.74	4.75%
	60,000	$5,269.29	$5,519.18	$249.89	4.74%
	65,000	$5,660.09	$5,928.12	$268.04	4.74%
	70,000	$6,050.89	$6,337.07	$286.19	4.73%
	75,000	$6,441.68	$6,746.02	$304.34	4.72%
	80,000	$6,832.48	$7,154.97	$322.49	4.72%
	85,000	$7,223.28	$7,563.92	$340.64	4.72%
	90,000	$7,614.08	$7,972.87	$358.79	4.71%
	95,000	$8,004.88	$8,381.81	$376.94	4.71%

FY20		FY21	Difference	Change
First 100 or Less	$587.29	$619.74	$32.45	5.53%
Over 100 Therms per Therm	$0.075820	$0.079450	$0.00	4.79%
Delivery Service Adjustment				
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000	$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910	$0.002910	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 7 Small Volume Firm Gas Transportation
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery			
	Therm Usage	FY20	FY21	Difference	Change
	2,100	$367.80	$367.80	$0.00	0.00%
	2,500	$423.76	$428.14	$4.38	1.03%
	3,100	$507.69	$518.64	$10.95	2.16%
	3,500	$563.65	$578.98	$15.33	2.72%
	4,100	$647.58	$669.48	$21.90	3.38%
	4,500	$703.54	$729.82	$26.28	3.74%
	5,100	$787.47	$820.32	$32.85	4.17%
	5,500	$843.43	$880.66	$37.23	4.41%
	6,100	$927.36	$971.16	$43.80	4.72%
Average	7,610	$1,138.59	$1,198.93	$60.33	5.30%
	7,700	$1,151.18	$1,212.50	$61.32	5.33%
	8,000	$1,193.15	$1,257.75	$64.61	5.41%
	8,100	$1,207.14	$1,272.84	$65.70	5.44%
	8,500	$1,263.09	$1,333.17	$70.08	5.55%
	9,100	$1,347.03	$1,423.68	$76.65	5.69%
	9,500	$1,402.98	$1,484.01	$81.03	5.78%
	10,000	$1,472.93	$1,559.43	$86.51	5.87%
	20,000	$2,871.83	$3,067.83	$196.01	6.83%
	30,000	$4,270.72	$4,576.23	$305.51	7.15%
	40,000	$5,669.62	$6,084.62	$415.00	7.32%
	50,000	$7,068.52	$7,593.02	$524.51	7.42%
	60,000	$8,467.41	$9,101.42	$634.01	7.49%

FY20		FY21		Difference	Change
First 2,100 or Less	$361.27		$361.27	$0.00	0.00%
Over 2,100 Therms per Therm	$0.136780		$0.147730	$0.01	8.01%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000200		$0.000200	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910		$0.002910	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 8 Gas Transportation Service with Standby Sales
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

	Therm Usage	Delivery			
		FY20	FY21	Difference	Change
	100	$1,155.26	$1,270.76	$115.50	10.00%
	500	$1,186.96	$1,304.17	$117.22	9.88%
	1,000	$1,226.57	$1,345.93	$119.36	9.73%
	5,000	$1,543.49	$1,680.01	$136.52	8.84%
	10,000	$1,939.64	$2,097.61	$157.97	8.14%
	50,000	$5,108.82	$5,438.40	$329.57	6.45%
	100,000	$9,070.31	$9,614.38	$544.07	6.00%
	200,000	$16,543.28	$17,487.35	$944.07	5.71%
Average	327,759	$26,090.67	$27,545.77	$1,455.11	5.58%
	330,000	$26,258.14	$27,722.21	$1,464.07	5.58%
	345,000	$27,379.08	$28,903.15	$1,524.07	5.57%
	350,000	$27,752.73	$29,296.80	$1,544.07	5.56%
	400,000	$31,489.21	$33,233.28	$1,744.07	5.54%
	450,000	$35,225.70	$37,169.77	$1,944.07	5.52%
	500,000	$38,962.18	$41,106.25	$2,144.07	5.50%
	550,000	$42,202.66	$44,519.74	$2,317.07	5.49%
	600,000	$45,443.15	$47,933.22	$2,490.07	5.48%
	650,000	$48,683.63	$51,346.70	$2,663.07	5.47%
	700,000	$51,924.12	$54,760.19	$2,836.07	5.46%
	750,000	$55,164.60	$58,173.67	$3,009.07	5.45%
	800,000	$58,405.08	$61,587.16	$3,182.07	5.45%
	850,000	$61,645.57	$65,000.64	$3,355.07	5.44%

FY20		FY21	Difference	Change
First 100 or Less	$1,155.03	$1,270.53	$115.50	10.00%
Next 99,900 Therms per Therm	$0.076890	$0.081180	$0.00	5.58%
Next 400,000 Therms per Therm	$0.072390	$0.076390	$0.00	5.53%
Over 500,000 Therms per Therm	$0.062470	$0.065930	$0.00	5.54%
Delivery Service Adjustment				
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
System Benefits Charge	$0.002910	$0.002910	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Summer)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
		FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	Therm Usage												
	0	$148.27	$148.27	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$148.27	$148.27	$0.00	0.00%
	3	$148.27	$148.27	$0.00	0.00%	$0.86	$0.86	$0.00	0.00%	$149.13	$149.13	$0.00	0.00%
	100	$152.57	$152.55	($0.02)	-0.02%	$28.75	$28.75	$0.00	0.00%	$181.32	$181.29	($0.02)	-0.01%
	300	$161.44	$161.37	($0.07)	-0.05%	$86.24	$86.24	$0.00	0.00%	$247.68	$247.61	($0.07)	-0.03%
	500	$170.32	$170.19	($0.12)	-0.07%	$143.73	$143.73	$0.00	0.00%	$314.04	$313.92	($0.12)	-0.04%
	700	$179.19	$179.01	($0.17)	-0.10%	$201.22	$201.22	$0.00	0.00%	$380.41	$380.23	($0.17)	-0.05%
	900	$188.06	$187.83	($0.22)	-0.12%	$258.71	$258.71	$0.00	0.00%	$446.77	$446.55	($0.22)	-0.05%
	1,000	$192.50	$192.25	($0.25)	-0.13%	$287.46	$287.46	$0.00	0.00%	$479.95	$479.70	($0.25)	-0.05%
	1,500	$214.68	$214.30	($0.37)	-0.17%	$431.18	$431.18	$0.00	0.00%	$645.86	$645.49	($0.37)	-0.06%
Average	2,638	$265.16	$264.50	($0.66)	-0.25%	$758.31	$758.31	$0.00	0.00%	$1,023.47	$1,022.81	($0.66)	-0.06%
	5,000	$369.94	$368.69	($1.25)	-0.34%	$1,437.28	$1,437.28	$0.00	0.00%	$1,807.22	$1,805.97	($1.25)	-0.07%
	9,000	$547.38	$545.13	($2.25)	-0.41%	$2,587.11	$2,587.11	$0.00	0.00%	$3,134.48	$3,132.23	($2.25)	-0.07%
	10,000	$591.74	$589.24	($2.50)	-0.42%	$2,874.56	$2,874.56	$0.00	0.00%	$3,466.30	$3,463.80	($2.50)	-0.07%
	11,000	$636.10	$633.35	($2.75)	-0.43%	$3,162.02	$3,162.02	$0.00	0.00%	$3,798.12	$3,795.37	($2.75)	-0.07%
	12,000	$680.46	$677.46	($3.00)	-0.44%	$3,449.48	$3,449.48	$0.00	0.00%	$4,129.93	$4,126.93	($3.00)	-0.07%
	13,000	$724.82	$721.57	($3.25)	-0.45%	$3,736.93	$3,736.93	$0.00	0.00%	$4,461.75	$4,458.50	($3.25)	-0.07%
	14,000	$769.18	$765.68	($3.50)	-0.45%	$4,024.39	$4,024.39	$0.00	0.00%	$4,793.56	$4,790.07	($3.50)	-0.07%
	15,000	$813.54	$809.79	($3.75)	-0.46%	$4,311.85	$4,311.85	$0.00	0.00%	$5,125.38	$5,121.63	($3.75)	-0.07%
	16,000	$857.90	$853.90	($4.00)	-0.47%	$4,599.30	$4,599.30	$0.00	0.00%	$5,457.20	$5,453.20	($4.00)	-0.07%
	17,000	$902.26	$898.01	($4.25)	-0.47%	$4,886.76	$4,886.76	$0.00	0.00%	$5,789.01	$5,784.76	($4.25)	-0.07%
	18,000	$946.62	$942.12	($4.50)	-0.48%	$5,174.21	$5,174.21	$0.00	0.00%	$6,120.83	$6,116.33	($4.50)	-0.07%
	19,000	$990.98	$986.23	($4.75)	-0.48%	$5,461.67	$5,461.67	$0.00	0.00%	$6,452.65	$6,447.90	($4.75)	-0.07%
	20,000	$1,035.34	$1,030.34	($5.00)	-0.48%	$5,749.13	$5,749.13	$0.00	0.00%	$6,784.46	$6,779.46	($5.00)	-0.07%
	21,000	$1,079.70	$1,074.45	($5.25)	-0.49%	$6,036.58	$6,036.58	$0.00	0.00%	$7,116.28	$7,111.03	($5.25)	-0.07%
	22,000	$1,124.06	$1,118.56	($5.50)	-0.49%	$6,324.04	$6,324.04	$0.00	0.00%	$7,448.10	$7,442.60	($5.50)	-0.07%
	23,000	$1,168.42	$1,162.67	($5.75)	-0.49%	$6,611.50	$6,611.50	$0.00	0.00%	$7,779.91	$7,774.16	($5.75)	-0.07%
	24,000	$1,212.78	$1,206.78	($6.00)	-0.49%	$6,898.95	$6,898.95	$0.00	0.00%	$8,111.73	$8,105.73	($6.00)	-0.07%

FY20		FY21	Difference	Change
First 3 or Less	$148.27	$148.27	$0.00	0.00%
Over 3 Therms per Therm	$0.044930	$0.044680	($0.00)	-0.56%
Delivery Service Adjustment				
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008556	$0.008556	$0.00	0.00%
Monthly Cost of Gas	$0.278900	$0.278900	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%
Supply	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$148.27	$148.27	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$148.27	$148.27	$0.00	0.00%
	3	$148.27	$148.27	$0.00	0.00%	$0.86	$0.86	$0.00	0.00%	$149.13	$149.13	$0.00	0.00%
	100	$153.73	$153.70	($0.03)	-0.02%	$28.75	$28.75	$0.00	0.00%	$182.48	$182.45	($0.03)	-0.02%
	300	$165.00	$164.91	($0.10)	-0.06%	$86.24	$86.24	$0.00	0.00%	$251.24	$251.15	($0.10)	-0.04%
	500	$176.27	$176.12	($0.16)	-0.09%	$143.73	$143.73	$0.00	0.00%	$320.00	$319.84	($0.16)	-0.05%
	700	$187.54	$187.32	($0.22)	-0.12%	$201.22	$201.22	$0.00	0.00%	$388.76	$388.54	($0.22)	-0.06%
	900	$198.81	$198.53	($0.29)	-0.14%	$258.71	$258.71	$0.00	0.00%	$457.52	$457.24	($0.29)	-0.06%
	1,000	$204.45	$204.13	($0.32)	-0.16%	$287.46	$287.46	$0.00	0.00%	$491.91	$491.59	($0.32)	-0.06%
	1,500	$232.62	$232.15	($0.48)	-0.21%	$431.18	$431.18	$0.00	0.00%	$663.81	$663.33	($0.48)	-0.07%
Average	2,638	$296.75	$295.91	($0.84)	-0.28%	$758.31	$758.31	$0.00	0.00%	$1,055.06	$1,054.22	($0.84)	-0.08%
	5,000	$429.85	$428.25	($1.60)	-0.37%	$1,437.28	$1,437.28	$0.00	0.00%	$1,867.13	$1,865.53	($1.60)	-0.09%
	9,000	$655.25	$652.37	($2.88)	-0.44%	$2,587.11	$2,587.11	$0.00	0.00%	$3,242.36	$3,239.48	($2.88)	-0.09%
	10,000	$711.60	$708.40	($3.20)	-0.45%	$2,874.56	$2,874.56	$0.00	0.00%	$3,586.16	$3,582.96	($3.20)	-0.09%
	11,000	$767.95	$764.43	($3.52)	-0.46%	$3,162.02	$3,162.02	$0.00	0.00%	$3,929.97	$3,926.45	($3.52)	-0.09%
	12,000	$824.30	$820.46	($3.84)	-0.47%	$3,449.48	$3,449.48	$0.00	0.00%	$4,273.78	$4,269.94	($3.84)	-0.09%
	13,000	$880.65	$876.49	($4.16)	-0.47%	$3,736.93	$3,736.93	$0.00	0.00%	$4,617.58	$4,613.42	($4.16)	-0.09%
	14,000	$937.00	$932.52	($4.48)	-0.48%	$4,024.39	$4,024.39	$0.00	0.00%	$4,961.39	$4,956.91	($4.48)	-0.09%
	15,000	$993.35	$988.55	($4.80)	-0.48%	$4,311.85	$4,311.85	$0.00	0.00%	$5,305.19	$5,300.40	($4.80)	-0.09%
	16,000	$1,049.70	$1,044.58	($5.12)	-0.49%	$4,599.30	$4,599.30	$0.00	0.00%	$5,649.00	$5,643.88	($5.12)	-0.09%
	17,000	$1,106.05	$1,100.61	($5.44)	-0.49%	$4,886.76	$4,886.76	$0.00	0.00%	$5,992.81	$5,987.37	($5.44)	-0.09%
	18,000	$1,162.40	$1,156.64	($5.76)	-0.50%	$5,174.21	$5,174.21	$0.00	0.00%	$6,336.61	$6,330.85	($5.76)	-0.09%
	19,000	$1,218.75	$1,212.67	($6.08)	-0.50%	$5,461.67	$5,461.67	$0.00	0.00%	$6,680.42	$6,674.34	($6.08)	-0.09%
	20,000	$1,275.10	$1,268.70	($6.40)	-0.50%	$5,749.13	$5,749.13	$0.00	0.00%	$7,024.23	$7,017.83	($6.40)	-0.09%
	21,000	$1,331.45	$1,324.73	($6.72)	-0.50%	$6,036.58	$6,036.58	$0.00	0.00%	$7,368.03	$7,361.31	($6.72)	-0.09%
	22,000	$1,387.80	$1,380.76	($7.04)	-0.51%	$6,324.04	$6,324.04	$0.00	0.00%	$7,711.84	$7,704.80	($7.04)	-0.09%
	23,000	$1,444.15	$1,436.79	($7.36)	-0.51%	$6,611.50	$6,611.50	$0.00	0.00%	$8,055.65	$8,048.29	($7.36)	-0.09%
	24,000	$1,500.50	$1,492.82	($7.68)	-0.51%	$6,898.95	$6,898.95	$0.00	0.00%	$8,399.45	$8,391.77	($7.68)	-0.09%

FY20		FY21	Difference	Change
First 3 or Less	$148.27	$148.27	$0.00	0.00%
Over 3 Therms per Therm	$0.056920	$0.056600	($0.00)	-0.56%
Delivery Service Adjustment				
Net Revenue Sharing	-$0.000570	-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000	$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000	$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008556	$0.008556	$0.00	0.00%
Monthly Cost of Gas	$0.278900	$0.278900	$0.00	0.00%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%
Supply	0.000000%	0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Summer)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$466.54	$466.54	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$466.54	$466.54	$0.00	0.00%
	3	$466.53	$466.53	$0.00	0.00%	$0.86	$0.86	$0.00	0.00%	$467.40	$467.40	$0.00	0.00%
	100	$470.36	$470.34	($0.02)	0.00%	$28.75	$28.75	$0.00	0.00%	$499.11	$499.09	($0.02)	0.00%
	500	$486.15	$486.04	($0.11)	-0.02%	$143.73	$143.73	$0.00	0.00%	$629.88	$629.77	($0.11)	-0.02%
	1,000	$505.89	$505.67	($0.22)	-0.04%	$287.46	$287.46	$0.00	0.00%	$793.34	$793.12	($0.22)	-0.03%
	2,000	$545.36	$544.92	($0.44)	-0.08%	$574.91	$574.91	$0.00	0.00%	$1,120.27	$1,119.83	($0.44)	-0.04%
	3,000	$584.83	$584.17	($0.66)	-0.11%	$862.37	$862.37	$0.00	0.00%	$1,447.20	$1,446.54	($0.66)	-0.05%
	4,000	$624.30	$623.42	($0.88)	-0.14%	$1,149.83	$1,149.83	$0.00	0.00%	$1,774.12	$1,773.24	($0.88)	-0.05%
	5,000	$663.77	$662.67	($1.10)	-0.17%	$1,437.28	$1,437.28	$0.00	0.00%	$2,101.05	$2,099.95	($1.10)	-0.05%
Average	6,528	$724.08	$722.64	($1.44)	-0.20%	$1,876.52	$1,876.52	$0.00	0.00%	$2,600.59	$2,599.16	($1.44)	-0.06%
	7,000	$742.71	$741.17	($1.54)	-0.21%	$2,012.19	$2,012.19	$0.00	0.00%	$2,754.90	$2,753.36	($1.54)	-0.06%
	8,000	$782.18	$780.42	($1.76)	-0.22%	$2,299.65	$2,299.65	$0.00	0.00%	$3,081.83	$3,080.07	($1.76)	-0.06%
	9,000	$821.65	$819.67	($1.98)	-0.24%	$2,587.11	$2,587.11	$0.00	0.00%	$3,408.75	$3,406.77	($1.98)	-0.06%
	9,200	$829.54	$827.52	($2.02)	-0.24%	$2,644.60	$2,644.60	$0.00	0.00%	$3,474.14	$3,472.12	($2.02)	-0.06%
	9,500	$841.38	$839.29	($2.09)	-0.25%	$2,730.84	$2,730.84	$0.00	0.00%	$3,572.22	$3,570.13	($2.09)	-0.06%
	10,000	$861.12	$858.92	($2.20)	-0.26%	$2,874.56	$2,874.56	$0.00	0.00%	$3,735.68	$3,733.48	($2.20)	-0.06%
	15,000	$1,058.47	$1,055.17	($3.30)	-0.31%	$4,311.85	$4,311.85	$0.00	0.00%	$5,370.31	$5,367.01	($3.30)	-0.06%
	20,000	$1,255.82	$1,251.42	($4.40)	-0.35%	$5,749.13	$5,749.13	$0.00	0.00%	$7,004.94	$7,000.54	($4.40)	-0.06%
	25,000	$1,453.17	$1,447.67	($5.50)	-0.38%	$7,186.41	$7,186.41	$0.00	0.00%	$8,639.58	$8,634.08	($5.50)	-0.06%
	30,000	$1,650.52	$1,643.92	($6.60)	-0.40%	$8,623.69	$8,623.69	$0.00	0.00%	$10,274.21	$10,267.61	($6.60)	-0.06%
	35,000	$1,847.87	$1,840.17	($7.70)	-0.42%	$10,060.97	$10,060.97	$0.00	0.00%	$11,908.84	$11,901.14	($7.70)	-0.06%
	40,000	$2,045.22	$2,036.42	($8.80)	-0.43%	$11,498.25	$11,498.25	$0.00	0.00%	$13,543.47	$13,534.67	($8.80)	-0.06%
	45,000	$2,242.57	$2,232.67	($9.90)	-0.44%	$12,935.54	$12,935.54	$0.00	0.00%	$15,178.10	$15,168.20	($9.90)	-0.07%
	50,000	$2,439.92	$2,428.92	($11.00)	-0.45%	$14,372.82	$14,372.82	$0.00	0.00%	$16,812.74	$16,801.74	($11.00)	-0.07%
	55,000	$2,637.27	$2,625.17	($12.10)	-0.46%	$15,810.10	$15,810.10	$0.00	0.00%	$18,447.37	$18,435.27	($12.10)	-0.07%
	60,000	$2,834.62	$2,821.42	($13.20)	-0.47%	$17,247.38	$17,247.38	$0.00	0.00%	$20,082.00	$20,068.80	($13.20)	-0.07%
	65,000	$3,031.97	$3,017.67	($14.30)	-0.47%	$18,684.66	$18,684.66	$0.00	0.00%	$21,716.63	$21,702.33	($14.30)	-0.07%
	70,000	$3,229.32	$3,213.92	($15.40)	-0.48%	$20,121.95	$20,121.95	$0.00	0.00%	$23,351.26	$23,335.86	($15.40)	-0.07%
	75,000	$3,426.67	$3,410.17	($16.50)	-0.48%	$21,559.23	$21,559.23	$0.00	0.00%	$24,985.89	$24,969.40	($16.50)	-0.07%

FY20		FY21		Difference	Change
First 3 or Less	$466.54		$466.54	$0.00	0.00%
Over 3 Therms per Therm	$0.040040		$0.039820	($0.00)	-0.55%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008556		$0.008556	$0.00	0.00%
Monthly Cost of Gas	$0.278900		$0.278900	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Winter)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$466.54	$466.54	$0.00	0.00%	$0.00	$0.00	$0.00	0.00%	$466.54	$466.54	$0.00	0.00%
	3	$466.53	$466.53	$0.00	0.00%	$0.86	$0.86	$0.00	0.00%	$467.40	$467.40	$0.00	0.00%
	100	$471.40	$471.37	($0.03)	-0.01%	$28.75	$28.75	$0.00	0.00%	$500.15	$500.12	($0.03)	-0.01%
	500	$491.46	$491.32	($0.14)	-0.03%	$143.73	$143.73	$0.00	0.00%	$635.19	$635.05	($0.14)	-0.02%
	1,000	$516.53	$516.26	($0.28)	-0.05%	$287.46	$287.46	$0.00	0.00%	$803.99	$803.71	($0.28)	-0.03%
	2,000	$566.68	$566.13	($0.56)	-0.10%	$574.91	$574.91	$0.00	0.00%	$1,141.60	$1,141.04	($0.56)	-0.05%
	3,000	$616.83	$616.00	($0.84)	-0.14%	$862.37	$862.37	$0.00	0.00%	$1,479.20	$1,478.36	($0.84)	-0.06%
	4,000	$666.98	$665.87	($1.12)	-0.17%	$1,149.83	$1,149.83	$0.00	0.00%	$1,816.81	$1,815.69	($1.12)	-0.06%
	5,000	$717.13	$715.74	($1.40)	-0.20%	$1,437.28	$1,437.28	$0.00	0.00%	$2,154.42	$2,153.02	($1.40)	-0.06%
Average	6,528	$793.76	$791.94	($1.83)	-0.23%	$1,876.52	$1,876.52	$0.00	0.00%	$2,670.28	$2,668.45	($1.83)	-0.07%
	7,000	$817.43	$815.48	($1.96)	-0.24%	$2,012.19	$2,012.19	$0.00	0.00%	$2,829.63	$2,827.67	($1.96)	-0.07%
	8,000	$867.58	$865.35	($2.24)	-0.26%	$2,299.65	$2,299.65	$0.00	0.00%	$3,167.24	$3,165.00	($2.24)	-0.07%
	9,000	$917.73	$915.22	($2.52)	-0.27%	$2,587.11	$2,587.11	$0.00	0.00%	$3,504.84	$3,502.32	($2.52)	-0.07%
	9,200	$927.76	$925.19	($2.58)	-0.28%	$2,644.60	$2,644.60	$0.00	0.00%	$3,572.36	$3,569.79	($2.58)	-0.07%
	9,500	$942.81	$940.15	($2.66)	-0.28%	$2,730.84	$2,730.84	$0.00	0.00%	$3,673.65	$3,670.99	($2.66)	-0.07%
	10,000	$967.88	$965.09	($2.80)	-0.29%	$2,874.56	$2,874.56	$0.00	0.00%	$3,842.45	$3,839.65	($2.80)	-0.07%
	15,000	$1,218.63	$1,214.44	($4.20)	-0.34%	$4,311.85	$4,311.85	$0.00	0.00%	$5,530.48	$5,526.28	($4.20)	-0.08%
	20,000	$1,469.38	$1,463.79	($5.60)	-0.38%	$5,749.13	$5,749.13	$0.00	0.00%	$7,218.51	$7,212.91	($5.60)	-0.08%
	25,000	$1,720.13	$1,713.14	($7.00)	-0.41%	$7,186.41	$7,186.41	$0.00	0.00%	$8,906.54	$8,899.54	($7.00)	-0.08%
	30,000	$1,970.88	$1,962.49	($8.40)	-0.43%	$8,623.69	$8,623.69	$0.00	0.00%	$10,594.58	$10,586.18	($8.40)	-0.08%
	35,000	$2,221.63	$2,211.84	($9.80)	-0.44%	$10,060.97	$10,060.97	$0.00	0.00%	$12,282.61	$12,272.81	($9.80)	-0.08%
	40,000	$2,472.38	$2,461.19	($11.20)	-0.45%	$11,498.25	$11,498.25	$0.00	0.00%	$13,970.64	$13,959.44	($11.20)	-0.08%
	45,000	$2,723.13	$2,710.54	($12.60)	-0.46%	$12,935.54	$12,935.54	$0.00	0.00%	$15,658.67	$15,646.07	($12.60)	-0.08%
	50,000	$2,973.88	$2,959.89	($14.00)	-0.47%	$14,372.82	$14,372.82	$0.00	0.00%	$17,346.70	$17,332.70	($14.00)	-0.08%
	55,000	$3,224.63	$3,209.24	($15.40)	-0.48%	$15,810.10	$15,810.10	$0.00	0.00%	$19,034.73	$19,019.34	($15.40)	-0.08%
	60,000	$3,475.38	$3,458.59	($16.80)	-0.48%	$17,247.38	$17,247.38	$0.00	0.00%	$20,722.77	$20,705.97	($16.80)	-0.08%
	65,000	$3,726.13	$3,707.94	($18.20)	-0.49%	$18,684.66	$18,684.66	$0.00	0.00%	$22,410.80	$22,392.60	($18.20)	-0.08%
	70,000	$3,976.88	$3,957.29	($19.60)	-0.49%	$20,121.95	$20,121.95	$0.00	0.00%	$24,098.83	$24,079.23	($19.60)	-0.08%
	75,000	$4,227.63	$4,206.64	($21.00)	-0.50%	$21,559.23	$21,559.23	$0.00	0.00%	$25,786.86	$25,765.86	($21.00)	-0.08%

FY20		FY21		Difference	Change
First 3 or Less	$466.54		$466.54	$0.00	0.00%
Over 3 Therms per Therm	$0.050720		$0.050440	($0.00)	-0.55%
Delivery Service Adjustment					
Net Revenue Sharing	-$0.000570		-$0.000570	$0.00	0.00%
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.008556		$0.008556	$0.00	0.00%
Monthly Cost of Gas	$0.278900		$0.278900	$0.00	0.00%
Gross Receipts Tax					
Delivery	0.000000%		0.000000%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 13 Distributed Generation - Residential
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

		Delivery				Commodity				Total			
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	$28.12	$28.12	$0.00	0.00%	$0.00	$0.00	$0.00	0%	$28.12	$28.12	$0.00	0.00%
	3	$28.12	$28.12	$0.00	0.00%	$0.97	$0.97	$0.00	0%	$29.09	$29.09	$0.00	0.00%
	10	$28.40	$28.40	$0.00	0.00%	$3.24	$3.24	$0.00	0%	$31.64	$31.64	$0.00	0.00%
	15	$28.59	$28.59	$0.00	0.00%	$4.86	$4.86	$0.00	0%	$33.46	$33.46	$0.00	0.00%
	20	$28.79	$28.79	$0.00	0.00%	$6.49	$6.49	$0.00	0%	$35.28	$35.28	$0.00	0.00%
	25	$28.99	$28.99	$0.00	0.00%	$8.11	$8.11	$0.00	0%	$37.09	$37.09	$0.00	0.00%
	30	$29.18	$29.18	$0.00	0.00%	$9.73	$9.73	$0.00	0%	$38.91	$38.91	$0.00	0.00%
	40	$29.58	$29.58	$0.00	0.00%	$12.97	$12.97	$0.00	0%	$42.55	$42.55	$0.00	0.00%
	50	$29.97	$29.97	$0.00	0.00%	$16.21	$16.21	$0.00	0%	$46.18	$46.18	$0.00	0.00%
	60	$30.36	$30.36	$0.00	0.00%	$19.46	$19.46	$0.00	0%	$49.82	$49.82	$0.00	0.00%
	70	$30.76	$30.76	$0.00	0.00%	$22.70	$22.70	$0.00	0%	$53.46	$53.46	$0.00	0.00%
	80	$31.15	$31.15	$0.00	0.00%	$25.94	$25.94	$0.00	0%	$57.09	$57.09	$0.00	0.00%
	90	$31.54	$31.54	$0.00	0.00%	$29.18	$29.18	$0.00	0%	$60.73	$60.73	$0.00	0.00%
	95	$31.74	$31.74	$0.00	0.00%	$30.81	$30.81	$0.00	0%	$62.55	$62.55	$0.00	0.00%
Average	101	$31.98	$31.98	$0.00	0.00%	$32.75	$32.75	$0.00	0%	$64.73	$64.73	$0.00	0.00%
	160	$34.30	$34.30	$0.00	0.00%	$51.88	$51.88	$0.00	0%	$86.18	$86.18	$0.00	0.00%
	180	$35.09	$35.09	$0.00	0.00%	$58.37	$58.37	$0.00	0%	$93.46	$93.46	$0.00	0.00%
	200	$35.87	$35.87	$0.00	0.00%	$64.85	$64.85	$0.00	0%	$100.73	$100.73	$0.00	0.00%
	220	$36.66	$36.66	$0.00	0.00%	$71.34	$71.34	$0.00	0%	$108.00	$108.00	$0.00	0.00%
	250	$37.84	$37.84	$0.00	0.00%	$81.07	$81.07	$0.00	0%	$118.91	$118.91	$0.00	0.00%
	300	$39.81	$39.81	$0.00	0.00%	$97.28	$97.28	$0.00	0%	$137.09	$137.09	$0.00	0.00%
	400	$43.75	$43.75	$0.00	0.00%	$129.71	$129.71	$0.00	0%	$173.45	$173.45	$0.00	0.00%

FY20		FY21		Difference	Change
First 3 or Less	$27.56		$27.56	$0.00	0.00%
Over 3 Therms per Therm	$0.039140		$0.039140	$0.00	0.00%
Delivery Service Adjustment					
Research & Development Surcharge	$0.000000		$0.000000	$0.00	0.00%
Net Revenue Sharing Surcharge	-$0.000570		-$0.000570	$0.00	0.00%
Revenue Decoupling Mechanism	$0.000000		$0.000000	$0.00	0.00%
Incremental State Assessment Surcharge	$0.000000		$0.000000	$0.00	0.00%
Merchant Function Charge	$0.009053		$0.009053	$0.00	0.00%
Monthly Cost of Gas	$0.315220		$0.315220	$0.00	0.00%
Gross Receipts Tax					
Delivery	2.040820%		2.040820%	0.00%	0.00%
Supply	0.000000%		0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Stub Period Calculation for Annual Reconciliation Effective Jan 1, 2019

A. Gas Supply Procurement Charge:

Line	Annual Expense Target	$	
1	Case 12-G-0202 Target (April 1, 2017 to March 31, 2018)	$ 1,172,739	
2	Actual Recoveries	$ 1,000,000	
3	Resulting Over Recovery (-) / Under Recovery (+)	$ 172,739	
4	5 months of Rate Year 1 Target (April 1, 2018 to August 31, 2018)	$ 317,959	
5	Actual Recoveries	$ 200,000	
6	Resulting Over Recovery (-) / Under Recovery (+)	$ 117,959	
	Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019	$	
7	Case 12-G-0202 Under Recovery (line 3)	$ 172,739	
8	5 months of Rate Year 1 Under Recovery (line 6)	$ 117,959	
9	Total Annual Reconciliation	$ 290,698	
10	Forecasted SC 1, 2, 3 12 and 13 Sales Forecast	564,110,906	Therms
	Annual Reconciliation effective January 1, 2019 - December 31, 2019 = line 9 / line 10	0.00052	$/Therm
	(surcharges/credits shall include simple interest at the Commission's other customer capital rate)		

B. Commodity Related Credit and Collection Charge:

	Annual Expense Target	Total	Residential	Non-Residential	
11	Case 12-G-0202 Target (April 1, 2017 to March 31, 2018)	$ 2,746,717	$ 2,600,935	$ 145,782	
12	Actual Recoveries	$ 2,640,000	$ 2,500,000	$ 140,000	
13	Resulting Over Recovery (-) / Under Recovery (+)	$ 106,717	$ 100,935	$ 5,782	
14	5 months of Rate Year 1 Target (April 1, 2018 to August 31, 2018)	$ 262,017	$ 248,696	$ 13,321	
15	Actual Recoveries	$ 213,000	$ 200,000	$ 13,000	
16	Resulting Over Recovery (-) / Under Recovery (+)	$ 49,017	$ 48,696	$ 321	
	Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019	$			
17	Case 12-G-0202 Under Recovery (line 13)	$ 106,717	$ 100,935	$ 5,782	
18	5 months of Rate Year 1 Under Recovery (line 16)	$ 49,017	$ 48,696	$ 321	
19	Total Annual Reconciliation	$ 155,734	$ 149,631	$ 6,103	
20	Sales Forecast : Jan 1, 2019 - Dec 31, 2019				
21	i)Sales		442,654,259	121,456,646	Therms
22	ii) Total Daily & Monthly Balancing Transportation		88,727,028	504,898,358	Therms
	- Percentage of Annual Deleveries for ESCOs in POR Program		98%	81%	
	- Amt of Daily & Monthly Balancing Transportation in POR Program		86,745,061	407,943,019	
23	iii) Total Therms		529,399,320	529,399,666	Therms
24	Commodity Related Credit and Collection Expense Charge :				
25	Effective Jan 1, 2019 - December 31, 2019 : (line 19 / line 23)		$0.00028	$0.00001	$/Therm
	(surcharges/credits shall include simple interest at the Commission's other customer capital rate)				

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Stub Period Calculation for Annual Reconciliation Effective Jan 1, 2019

C. Estimated Return Requirement on Gas Storage Inventory

Line	Annual Expense Target		$
1	April 1, 2017 to March 31, 2018 Target	$	1,776,464
2	Actual Recoveries	$	1,500,000
3	Resulting Over Recovery (-) / Under Recovery (+)	$	276,464

4 Five months of Rate Year 1 Target (April 1, 2018 to August 31, 2018)

	Estimated Storage Inventory Balance	Estimated Wtd Avg Storage Inventory Cost (based on 02/24/2017 NYMEX)	Estimated Storage Inventory Costs
	(dt)	($/dt)	($)
4/30/2018	944,282	$2.24889	$2,123,585
5/31/2018	4,035,648	$2.18530	$8,819,096
6/30/2018	6,975,028	$2.18393	$15,232,998
7/31/2018	8,666,347	$2.19244	$19,000,448
8/31/2018	10,321,834	$2.20132	$22,721,642
9/30/2018	12,582,968	$2.21425	$27,861,874
10/31/2018	14,828,149	$2.20624	$32,714,519
11/30/2018	14,515,978	$2.20505	$32,008,485
12/31/2018	11,706,434	$2.20505	$25,813,294
1/31/2019	7,804,289	$2.20505	$17,208,863
2/28/2019	3,902,145	$2.20505	$8,604,432
3/31/2019	-	$0.00000	$0
	96,283,101		$212,109,236

a)	Estimated Monthly Average Storage Inventory Costs (12 Months)	$17,675,770
b)	Pre-Tax Weighted Average Cost of Capital	8.07%
c)	Estimated Return Requirement on Gas Storage Inventory (a x b)	$1,426,435
	For Five Months Target (line 4a / 5 months)	$285,287

5	Actual Recoveries	$	300,000
6	Resulting Over Recovery (-) / Under Recovery (+)	$	(14,713)

	Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019		$	
7	April 1, 2017 Under Recovery (line 3)	$	276,464	
8	5 months of Rate Year 1 Under Recovery (line 6)	$	(14,713)	
9	Total Annual Reconciliation	$	261,751	
10	Forecasted SC 1, 2, 3 12 and 13 Sales Forecast		564,110,906	Therms
	Annual Reconciliation effective January 1, 2019 - December 31, 2019 = line 9 / line 10		0.00046	$/Therm
	(surcharges/credits shall include simple interest at the Commission's other customer capital rate)			

Niagara Mohawk Power Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Fiscal Year target to MCG Year Target

	Rate Year 1 : April 1, 2018 - March 31, 2019	MCG Year : September 1, 2018 - August 31, 2019
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13		
1) Estimated Commodity Related Uncollectible Charge	$4,595,976	$4,583,001
2) Gas Supply Procurement Charge	$1,390,042	$1,391,056
3) Commodity Related Credit and Collection Charge	$1,084,829	$1,085,005
4) Estimated Return Requirement on Gas Storage Inventory	$1,426,435	$1,322,150
5) Estimated Return Requirement on Gas Purchase Related Working Capital	$1,910,571	$1,903,024
Total	$10,407,852	$10,284,236
Applicable to ESCOs that Participate in the Company's POR Program that Serve Customers taking Transportation Service under Service Classification Nos. 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8		
1) Commodity Related Credit and Collection Charge	$45,088	$45,130
Total Merchant Function Charges		
1) Estimated Commodity Related Uncollectible Charge	$4,595,976	$4,583,001
2) Gas Supply Procurement Charge	$1,390,042	$1,391,056
3) Commodity Related Credit and Collection Charge	$1,129,917	$1,130,135
4) Return Requirement on Gas Storage Inventory	$1,426,435	$1,322,150
5) Return Requirement on Gas Purchase Related Working Capital	$1,910,571	$1,903,024
Total	$10,452,940	$10,329,366

Notes
1 : Schedule 6.3, Page 4 - Estimated based on projected gas costs
2 : Schedule 6.2, Page 2 - Target
3 : Schedule 6.2, Page 3 & 4 - Target
4 : RY1 - Schedule 6.1 (page 2), MCG - Schedule 6.3 (page 11) - Estimated based on projected storage inventory costs
5 : Schedule 6.3, Page 8-10 - Estimated based on projected gas costs

Niagara Mohawk Power Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in MCG Year
Gas Supply Procurement Charge

Fiscal Year:	2019			Fiscal Year:	2020			Fiscal Year:	2021			Fiscal Year:	2022		
Total Annual Target / 1:	$1,390,042			Total Annual Target:	$1,390,042			Total Annual Target:	$1,390,042			Total Annual Target:	$1,390,042		
	Billed Sales SC 1, 2, 3, 12 and 13 Monthly Therms	%	Monthly Allocation $		Billed Sales SC 1, 2, 3, 12 and 13 Monthly Therms	%	Monthly Allocation $		Billed Sales SC 1, 2, 3, 12 and 13 Monthly Therms	%	Monthly Allocation $		Billed Sales SC 1, 2, 3, 12 and 13 Monthly Therms	%	Monthly Allocation $
Apr-2018	60,572,911	11%	$150,542	Apr-2019	61,711,005	11%	$150,795	Apr-2020	62,705,941	11%	$150,420	Apr-2021	63,902,330	11%	$150,452
May-2018	31,767,586	6%	$78,952	May-2019	32,431,869	6%	$79,249	May-2020	33,073,226	6%	$79,337	May-2021	33,698,651	6%	$79,340
Jun-2018	16,152,847	3%	$40,145	Jun-2019	16,494,660	3%	$40,306	Jun-2020	16,814,402	3%	$40,335	Jun-2021	17,142,547	3%	$40,361
Jul-2018	9,940,593	2%	$24,705	Jul-2019	10,124,126	2%	$24,739	Jul-2020	10,290,918	2%	$24,686	Jul-2021	10,475,978	2%	$24,665
Aug-2018	9,501,746	2%	$23,615	Aug-2019	9,774,007	2%	$23,883	Aug-2020	10,042,098	2%	$24,089	Aug-2021	10,333,418	2%	$24,329
Sep-2018	10,031,740	2%	$24,932	Sep-2019	10,178,901	2%	$24,873	Sep-2020	10,329,863	2%	$24,779	Sep-2021	10,505,166	2%	$24,733
Oct-2018	18,604,456	3%	$46,238	Oct-2019	18,907,528	3%	$46,202	Oct-2020	19,226,476	3%	$46,121	Oct-2021	19,579,900	3%	$46,099
Nov-2018	41,312,182	7%	$102,673	Nov-2019	41,826,377	7%	$102,205	Nov-2020	42,396,486	7%	$101,702	Nov-2021	42,991,701	7%	$101,220
Dec-2018	72,407,108	13%	$179,953	Dec-2019	73,648,115	13%	$179,964	Dec-2020	75,053,613	13%	$180,040	Dec-2021	76,489,626	13%	$180,088
Jan-2019	98,730,542	18%	$245,375	Jan-2020	100,409,554	18%	$245,357	Jan-2021	102,353,974	18%	$245,529	Jan-2022	104,324,061	18%	$245,621
Feb-2019	101,983,647	18%	$253,460	Feb-2020	101,340,441	18%	$247,632	Feb-2021	105,669,624	18%	$253,482	Feb-2022	107,681,129	18%	$253,525
Mar-2019	88,300,130	16%	$219,452	Mar-2020	92,011,399	16%	$224,836	Mar-2021	91,512,194	16%	$219,521	Mar-2022	93,275,259	16%	$219,608
Total	**559,305,488**	**100%**	**$1,390,042**	**Total**	**568,857,982**	**100%**	**$1,390,042**	**Total**	**579,468,813**	**100%**	**$1,390,042**	**Total**	**590,399,765**	**100%**	**$1,390,042**

MCG Year		Monthly Allocation $	MCG Year		Monthly Allocation $	MCG Year		Monthly Allocation $
Sep-2018	10,031,740	$24,932	Sep-2019	10,178,901	$24,873	Sep-2020	10,329,863	$24,779
Oct-2018	18,604,456	$46,238	Oct-2019	18,907,528	$46,202	Oct-2020	19,226,476	$46,121
Nov-2018	41,312,182	$102,673	Nov-2019	41,826,377	$102,205	Nov-2020	42,396,486	$101,702
Dec-2018	72,407,108	$179,953	Dec-2019	73,648,115	$179,964	Dec-2020	75,053,613	$180,040
Jan-2019	98,730,542	$245,375	Jan-2020	100,409,554	$245,357	Jan-2021	102,353,974	$245,529
Feb-2019	101,983,647	$253,460	Feb-2020	101,340,441	$247,632	Feb-2021	105,669,624	$253,482
Mar-2019	88,300,130	$219,452	Mar-2020	92,011,399	$224,836	Mar-2021	91,512,194	$219,521
Apr-2019	61,711,005	$150,795	Apr-2020	62,705,941	$150,420	Apr-2021	63,902,330	$150,452
May-2019	32,431,869	$79,249	May-2020	33,073,226	$79,337	May-2021	33,698,651	$79,340
Jun-2019	16,494,660	$40,306	Jun-2020	16,814,402	$40,335	Jun-2021	17,142,547	$40,361
Jul-2019	10,124,126	$24,739	Jul-2020	10,290,918	$24,686	Jul-2021	10,475,978	$24,665
Aug-2019	9,774,007	$23,883	Aug-2020	10,042,098	$24,089	Aug-2021	10,333,418	$24,329
Total	**561,905,472**	**$1,391,056**	**Total**	**571,248,900**	**$1,389,936**	**Total**	**582,095,151**	**$1,390,322**

1: Schedule 6.2, Page 1

Case 17-G-0239
Appendix 3
Schedule 6.2
Page 2 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in MCG Year
Commodity Related Credit and Collection Charge - Residential

Fiscal Year:	2019			Fiscal Year:	2020			Fiscal Year:	2021			Fiscal Year:	2022		
Total Annual Target / 1:	$1,084,829			Total Annual Target:	$1,084,829			Total Annual Target:	$1,084,829			Total Annual Target:	$1,084,829		
	Billed Sales and Transportation				Billed Sales and Transportation				Billed Sales and Transportation				Billed Sales and Transportation		
	SC 1		Monthly Allocation		SC 1		Monthly Allocation		SC 1		Monthly Allocation		SC 1		Monthly Allocation
	Monthly Therms	%	$		Monthly Therms	%	$		Monthly Therms	%	$		Monthly Therms	%	$
Apr-2018	57,670,874	11%	$118,430	Apr-2019	58,070,153	11%	$118,700	Apr-2020	58,427,551	11%	$118,658	Apr-2021	58,781,652	11%	$118,758
May-2018	30,051,945	6%	$61,713	May-2019	30,220,474	6%	$61,773	May-2020	30,370,698	6%	$61,678	May-2021	30,511,623	6%	$61,643
Jun-2018	15,173,865	3%	$31,160	Jun-2019	15,222,025	3%	$31,115	Jun-2020	15,260,352	3%	$30,992	Jun-2021	15,294,250	3%	$30,899
Jul-2018	9,235,647	2%	$18,966	Jul-2019	9,190,442	2%	$18,786	Jul-2020	9,137,756	2%	$18,557	Jul-2021	9,081,552	2%	$18,348
Aug-2018	8,972,903	2%	$18,426	Aug-2019	9,048,889	2%	$18,497	Aug-2020	9,119,871	2%	$18,521	Aug-2021	9,189,653	2%	$18,566
Sep-2018	9,034,208	2%	$18,552	Sep-2019	8,995,388	2%	$18,387	Sep-2020	8,950,454	2%	$18,177	Sep-2021	8,902,853	2%	$17,987
Oct-2018	15,667,057	3%	$32,173	Oct-2019	15,713,487	3%	$32,120	Oct-2020	15,751,482	3%	$31,989	Oct-2021	15,787,049	3%	$31,895
Nov-2018	36,936,990	7%	$75,852	Nov-2019	36,944,395	7%	$75,518	Nov-2020	36,931,302	7%	$75,002	Nov-2021	36,909,919	7%	$74,570
Dec-2018	68,514,846	13%	$140,699	Dec-2019	68,981,977	13%	$141,005	Dec-2020	69,424,572	13%	$140,991	Dec-2021	69,861,234	13%	$141,142
Jan-2019	94,963,970	18%	$195,013	Jan-2020	95,633,516	18%	$195,483	Jan-2021	96,277,290	18%	$195,525	Jan-2022	96,912,606	18%	$195,795
Feb-2019	96,667,352	18%	$198,511	Feb-2020	94,579,802	18%	$193,329	Feb-2021	98,006,532	18%	$199,037	Feb-2022	98,657,577	18%	$199,320
Mar-2019	85,380,766	16%	$175,334	Mar-2020	88,115,042	17%	$180,115	Mar-2021	86,515,768	16%	$175,701	Mar-2022	87,068,864	16%	$175,907
Total	**528,270,424**	**100%**	**$1,084,829**	**Total**	**530,715,592**	**100%**	**$1,084,829**	**Total**	**534,173,628**	**100%**	**$1,084,829**	**Total**	**536,958,833**	**100%**	**$1,084,829**

MCG Year	Monthly Therms	Monthly Allocation $	MCG Year	Monthly Therms	Monthly Allocation $	MCG Year	Monthly Therms	Monthly Allocation $
Sep-2018	9,034,208	$18,552	Sep-2019	8,995,388	$18,387	Sep-2020	8,950,454	$18,177
Oct-2018	15,667,057	$32,173	Oct-2019	15,713,487	$32,120	Oct-2020	15,751,482	$31,989
Nov-2018	36,936,990	$75,852	Nov-2019	36,944,395	$75,518	Nov-2020	36,931,302	$75,002
Dec-2018	68,514,846	$140,699	Dec-2019	68,981,977	$141,005	Dec-2020	69,424,572	$140,991
Jan-2019	94,963,970	$195,013	Jan-2020	95,633,516	$195,483	Jan-2021	96,277,290	$195,525
Feb-2019	96,667,352	$198,511	Feb-2020	94,579,802	$193,329	Feb-2021	98,006,532	$199,037
Mar-2019	85,380,766	$175,334	Mar-2020	88,115,042	$180,115	Mar-2021	86,515,768	$175,701
Apr-2019	58,070,153	$118,700	Apr-2020	58,427,551	$118,658	Apr-2021	58,781,652	$118,758
May-2019	30,220,474	$61,773	May-2020	30,370,698	$61,678	May-2021	30,511,623	$61,643
Jun-2019	15,222,025	$31,115	Jun-2020	15,260,352	$30,992	Jun-2021	15,294,250	$30,899
Jul-2019	9,190,442	$18,786	Jul-2020	9,137,756	$18,557	Jul-2021	9,081,552	$18,348
Aug-2019	9,048,889	$18,497	Aug-2020	9,119,871	$18,521	Aug-2021	9,189,653	$18,566
Total	**528,917,174**	**$1,085,005**	**Total**	**531,279,835**	**$1,084,364**	**Total**	**534,716,132**	**$1,084,637**

1: Schedule 6.2, Page 1

Case 17-G-0239
Appendix 3
Schedule 6.2
Page 3 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in GAC Year
Commodity Related Credit and Collection Charge - Non Residential

Fiscal Year: 2019
Total Annual Target / 1: $45,088

	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13 Monthly Therms	%	Monthly Allocation $
Apr-2018	52,475,494	10%	$4,509
May-2018	36,207,251	7%	$3,111
Jun-2018	24,316,574	5%	$2,089
Jul-2018	22,007,442	4%	$1,891
Aug-2018	20,028,443	4%	$1,721
Sep-2018	22,205,491	4%	$1,908
Oct-2018	32,130,488	6%	$2,761
Nov-2018	47,060,111	9%	$4,044
Dec-2018	59,201,730	11%	$5,087
Jan-2019	70,015,907	13%	$6,016
Feb-2019	76,967,834	15%	$6,613
Mar-2019	62,139,018	12%	$5,339
Total	**524,755,782**	**100%**	**$45,088**

GAC Year	Monthly Therms	Monthly Allocation $
Sep-2018	22,205,491	$1,908
Oct-2018	32,130,488	$2,761
Nov-2018	47,060,111	$4,044
Dec-2018	59,201,730	$5,087
Jan-2019	70,015,907	$6,016
Feb-2019	76,967,834	$6,613
Mar-2019	62,139,018	$5,339
Apr-2019	53,178,312	$4,507
May-2019	36,783,505	$3,118
Jun-2019	24,748,024	$2,098
Jul-2019	22,482,712	$1,906
Aug-2019	20,466,237	$1,735
Total	**527,379,368**	**$45,130**

Fiscal Year: 2020
Total Annual Target: $45,088

	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13 Monthly Therms	%	Monthly Allocation $
Apr-2019	53,178,312	10%	$4,507
May-2019	36,783,505	7%	$3,118
Jun-2019	24,748,024	5%	$2,098
Jul-2019	22,482,712	4%	$1,906
Aug-2019	20,466,237	4%	$1,735
Sep-2019	22,641,164	4%	$1,919
Oct-2019	32,610,926	6%	$2,764
Nov-2019	47,601,572	9%	$4,035
Dec-2019	59,764,454	11%	$5,066
Jan-2020	70,582,741	13%	$5,982
Feb-2020	77,559,126	15%	$6,574
Mar-2020	63,543,090	12%	$5,386
Total	**531,961,864**	**100%**	**$45,088**

GAC Year	Monthly Therms	Monthly Allocation $
Sep-2019	22,641,164	$1,919
Oct-2019	32,610,926	$2,764
Nov-2019	47,601,572	$4,035
Dec-2019	59,764,454	$5,066
Jan-2020	70,582,741	$5,982
Feb-2020	77,559,126	$6,574
Mar-2020	63,543,090	$5,386
Apr-2020	53,676,821	$4,512
May-2020	37,210,610	$3,128
Jun-2020	25,089,996	$2,109
Jul-2020	22,841,119	$1,920
Aug-2020	20,811,466	$1,749
Total	**533,933,085**	**$45,143**

Fiscal Year: 2021
Total Annual Target: $45,088

	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13 Monthly Therms	%	Monthly Allocation $
Apr-2020	53,676,821	10%	$4,511.7
May-2020	37,210,610	7%	$3,127.7
Jun-2020	25,089,996	5%	$2,108.9
Jul-2020	22,841,119	4%	$1,919.9
Aug-2020	20,811,466	4%	$1,749.3
Sep-2020	23,000,224	4%	$1,933.2
Oct-2020	33,022,933	6%	$2,775.7
Nov-2020	48,078,451	9%	$4,041.2
Dec-2020	60,263,432	11%	$5,065.4
Jan-2021	71,095,379	13%	$5,975.8
Feb-2021	78,167,685	15%	$6,570.3
Mar-2021	63,164,897	12%	$5,309.2
Total	**536,423,013**	**100%**	**$45,088**

GAC Year	Monthly Therms	Monthly Allocation $
Sep-2020	23,000,224	$1,933
Oct-2020	33,022,933	$2,776
Nov-2020	48,078,451	$4,041
Dec-2020	60,263,432	$5,065
Jan-2021	71,095,379	$5,976
Feb-2021	78,167,685	$6,570
Mar-2021	63,164,897	$5,309
Apr-2021	53,403,304	$4,527
May-2021	37,009,027	$3,137
Jun-2021	24,651,062	$2,089
Jul-2021	22,240,084	$1,885
Aug-2021	20,173,121	$1,710
Total	**534,269,599**	**$45,019**

Fiscal Year: 2022
Total Annual Target: $45,088

	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13 Monthly Therms	%	Monthly Allocation $
Apr-2021	53,403,304	10%	$4,527
May-2021	37,009,027	7%	$3,137
Jun-2021	24,651,062	5%	$2,089
Jul-2021	22,240,084	4%	$1,885
Aug-2021	20,173,121	4%	$1,710
Sep-2021	22,565,628	4%	$1,913
Oct-2021	32,859,577	6%	$2,785
Nov-2021	47,835,208	9%	$4,055
Dec-2021	59,931,487	11%	$5,080
Jan-2022	70,533,248	13%	$5,979
Feb-2022	77,971,501	15%	$6,609
Mar-2022	62,766,215	12%	$5,320
Total	**531,939,464**	**100%**	**$45,088**

1: Schedule 6.2, Page 1

Case 17-G-0239
Appendix 3
Schedule 6.2
Page 4 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Gas Supply Procurement Charge for September 2018 and Reconciliation
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

1) Set Gas Procurement and Commodity-Related Sales Promotion Expenses for:			
September 1, 2018 - August 31, 2019			
a) Allowed Expenses / 1	$	1,391,056	
b) Forecasted SC 1, 2, 3, 12 and 13 Sales		561,905,472	Therms
c) Unit Rate effective September 1, 2018 - August 31, 2019 = (1a / 1b)		0.00248	$/Therm
2) Perform Annual Reconciliation for September 1, 2018 - August 31, 2019 :			
January 1, 2020 - December 31, 2020			
a) Actual Recoveries	$	2,200,000	
b) Allowed Expense	$	1,391,056	
c) Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)		($808,944)	
d) Forecasted SC 1, 2, 3, 12 and 13 Sales		573,694,416	Therms
e) Annual Reconciliation effective January 1, 2020 - December 31, 2020 = (2c / 2d)		-0.00141	$/Therm
(surcharges/credits shall include simple interest at the Commission's other customer capital rate)			

1: Schedule 6.2, Page 2

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Commodity Related Credit and Collection Charge for September 1, 2018
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13
and to ESCOs Participating in the POR Program that serve Customers taking Transportation Service
under Service Classification Nos. 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8

			Rate Breakdown		
		Total	Residential	Non-Residential	
1)	Normalized Bad Debt Net Write-off /1	$46,737,927	$44,872,896	$1,865,031	
	Normalized Bad Debt Net Write-off Percentage /1	100%	96%	4%	
2)	Set Commodity Related Credit and Collection Expense Charge for : April 1, 2018 - March 31, 2019				
	Annual Commodity Related Credit and Collection Charge Expense Target /2	$1,129,917			
	a) Allocate Using Normalized Bad Debt Net Write-off Percentage		$1,084,829	$45,088	
	b) September 1, 2018 - August 31, 2019 Target /3		$1,085,005	$45,130	
3)	Forecasted Deliveries - September 1, 2018 - August 31, 2019 (Therms)				
	a) SC 1, 2, 3, 12 and 13 Sales	561,211,749	440,912,780	120,298,969	Therms
	b) SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8	591,887,012	91,303,422	500,583,590	Therms
	c) Percentage of Annual Deleveries for ESCOs in POR Program		98%	81%	
	d) Deliveries to SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 by ESCOs in POR Program	493,720,718	89,263,904	404,456,813	Therms
4)	Total Therms (3a + 3d)	1,054,932,467	530,176,684	524,755,782	Therms
5)	Commodity Related Credit and Collection Charge Rate (2 / 4) :		$0.00205	$0.00009	$/Therm
	Rates Effective September 1, 2018 - August 31, 2019				
6)	MCG Year - Perform Annual Reconciliation				
	a) Commodity Related Credit and Collection Recoveries TME August 31, 2019		$ 2,000,000	$ 50,000	
	b) Allowed Commodity Related Credit and Collection		$ 1,085,005	$ 45,130	
	c) Resulting Over Recovery (-) / Under Recovery (+) = (6b - 6a)		$ (914,995)	$ (4,870)	
	d) Sales Forecast - Jan 2020 - Dec 2020				
	SC 1, 2, 3, 12 and 13 sales	573,694,416	450,652,394	123,042,023	Therms
	Deliveries of ESCOs in POR that serve SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7, 8	593,611,021	82,901,850	510,709,171	Therms
	Percentage of Annual Deleveries for ESCOs in POR Program		98%	81%	
	Deliveries to SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 by ESCOs in POR Program	493,687,990	81,050,005	412,637,985	Therms
	e) Total Therms	1,067,382,406	531,702,398	535,680,008	Therms
	f) Annual Reconciliation Adjustment Effective Jan 1, 2020 to Dec 31, 2020		-$0.00172	-$0.00001	$/Therm
	Annual Imbalance Rates = (6c / 6e)				

Notes:
1 Per Shared Services Panel
2 Schedule 6.2, Page 1
3 Schedule 6.2, Page 3

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Commodity Related Uncollectible Charge for September 1, 2018
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

	SC1 Residential Per Therm	SC2 Residential, Commercial & Industrial Per Therm	SC2 Industrial Per Therm	SC3 Large General Per Therm	SC12 Distributed Generation Non-Residential Per Therm	SC13 Distributed Generation Residential Per Therm
1) Forecasted MCG Price for September 1, 2018	$0.31136	$0.30821	$0.30821	$0.29406	$0.27048	$0.31214
2) Uncollectible Factor	3.2%	0.3%	0.3%	0.3%	0.3%	0.3%
3) Commodity Related Uncollectible Charge (1 x 2)	$0.00996	$0.00092	$0.00092	$0.00088	$0.00081	$0.00094

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Proposed Commodity Related Uncollectible Charge

	Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019
1. GAC Forecast ($/Therm)												
SC1 Res	$0.3093	$0.3043	$0.3099	$0.3093	$0.3140	$0.3114	$0.2995	$0.3135	$0.3139	$0.3266	$0.3298	$0.3248
SC2 Res & Comm	$0.3061	$0.3011	$0.3067	$0.3061	$0.3108	$0.3082	$0.2963	$0.3104	$0.3108	$0.3235	$0.3266	$0.3217
SC2 Ind	$0.3061	$0.3011	$0.3067	$0.3061	$0.3108	$0.3082	$0.2963	$0.3104	$0.3108	$0.3235	$0.3266	$0.3217
SC3 LG Comm & Ind	$0.2917	$0.2867	$0.2924	$0.2917	$0.2965	$0.2941	$0.2822	$0.2962	$0.2966	$0.3093	$0.3125	$0.3075
SC12 DG	$0.2678	$0.2628	$0.2684	$0.2677	$0.2725	$0.2705	$0.2586	$0.2726	$0.2730	$0.2857	$0.2889	$0.2839
SC13 Res DG	$0.3101	$0.3051	$0.3107	$0.3101	$0.3148	$0.3121	$0.3002	$0.3143	$0.3147	$0.3274	$0.3306	$0.3256
2. Uncollectible % Rates												
SC1 Res	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%
SC2 Res & Comm	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC2 Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC3 LG Comm & Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC12 DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC13 Res DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
3. Uncollectible Expenses Associated with Gas Costs ($/Therm) = (1 X 2)												
SC1 Res	$0.0099	$0.0097	$0.0099	$0.0099	$0.0101	$0.0100	$0.0096	$0.0100	$0.0100	$0.0105	$0.0106	$0.0104
SC2 Res & Comm	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0010	$0.0010	$0.0010
SC2 Ind	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0010	$0.0010	$0.0010
SC3 LG Comm & Ind	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009
SC12 DG	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0009	$0.0009	$0.0009
SC13 Res DG	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0010	$0.0010	$0.0010
4. Uncollectible Expenses Associated with Gas Costs Expenses Total $												
Volumes (Therms)												
SC1 Res	47,581,462	24,685,150	12,482,128	7,627,231	7,429,483	7,529,329	13,015,179	30,710,132	57,043,419	79,126,228	80,545,298	71,231,480
SC2 Res & Comm	11,827,822	6,191,304	2,898,743	1,868,627	1,737,646	2,114,010	4,771,226	9,590,184	14,103,291	18,152,874	19,869,808	15,720,284
SC2 Ind	152,180	79,690	42,957	38,557	26,883	34,832	63,452	123,567	184,811	241,791	267,324	209,190
SC3 LG Comm & Ind	1,010,058	810,344	728,076	404,635	306,388	352,205	753,188	886,815	1,073,799	1,207,667	1,299,327	1,137,589
SC12 DG	988	915	887	1,479	1,293	1,308	1,324	1,232	1,306	1,301	1,192	984
SC13 Res DG	401	184	56	64	53	57	87	252	482	681	697	603
Total	60,572,911	31,767,586	16,152,847	9,940,593	9,501,746	10,031,740	18,604,456	41,312,182	72,407,108	98,730,542	101,983,647	88,300,130
5. Total Dollars = (4 X 3)												
SC1 Res	$471,056	$240,433	$123,823	$75,510	$74,666	$74,992	$124,685	$308,023	$572,716	$826,869	$849,753	$740,095
SC2 Res & Comm	$10,882	$5,572	$2,667	$1,719	$1,616	$1,945	$4,246	$8,919	$13,116	$17,608	$19,472	$15,249
SC2 Ind	$140	$72	$40	$35	$25	$32	$56	$115	$172	$235	$262	$203
SC3 LG Comm & Ind	$889	$697	$641	$356	$273	$310	$640	$789	$956	$1,123	$1,221	$1,047
SC12 DG	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1
SC13 Res DG	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1	$1	$1
Total	$ 482,968	$ 246,775	$ 127,171	$ 77,622	$ 76,581	$ 77,280	$ 129,630	$ 317,847	$ 586,961	$ 845,837	$ 870,710	$ 756,595
FY Total (Apr - Mar)												$4,595,976
MCG Year Total (Sept - Aug)												

Case 17-G-0239
Appendix 3
Schedule 6.3
Page 4 of 12

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Proposed Commodity Related Uncollectible Charge

	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020
1. GAC Forecast ($/Therm)												
SC1 Res	$0.3058	$0.2887	$0.2996	$0.2947	$0.2918	$0.2885	$0.2826	$0.2922	$0.3036	$0.3165	$0.3188	$0.3137
SC2 Res & Comm	$0.3026	$0.2856	$0.2964	$0.2915	$0.2887	$0.2854	$0.2795	$0.2891	$0.3005	$0.3134	$0.3157	$0.3106
SC2 Ind	$0.3026	$0.2856	$0.2964	$0.2915	$0.2887	$0.2854	$0.2795	$0.2891	$0.3005	$0.3134	$0.3157	$0.3106
SC3 LG Comm & Ind	$0.2885	$0.2714	$0.2823	$0.2774	$0.2745	$0.2715	$0.2656	$0.2752	$0.2865	$0.2995	$0.3018	$0.2966
SC12 DG	$0.2649	$0.2478	$0.2587	$0.2538	$0.2510	$0.2483	$0.2424	$0.2520	$0.2633	$0.2763	$0.2786	$0.2734
SC13 Res DG	$0.3066	$0.2895	$0.3004	$0.2955	$0.2926	$0.2893	$0.2834	$0.2930	$0.3043	$0.3173	$0.3196	$0.3144
2. Uncollectible % Rates												
SC1 Res	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%
SC2 Res & Comm	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC2 Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC3 LG Comm & Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC12 DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC13 Res DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
3. Uncollectible Expenses Associated with Ga												
SC1 Res	$0.0098	$0.0092	$0.0096	$0.0094	$0.0093	$0.0092	$0.0090	$0.0094	$0.0097	$0.0101	$0.0102	$0.0100
SC2 Res & Comm	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0008	$0.0009	$0.0009	$0.0009	$0.0010	$0.0009
SC2 Ind	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0008	$0.0009	$0.0009	$0.0009	$0.0010	$0.0009
SC3 LG Comm & Ind	$0.0009	$0.0008	$0.0009	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0009	$0.0009	$0.0009	$0.0009
SC12 DG	$0.0008	$0.0007	$0.0008	$0.0008	$0.0008	$0.0007	$0.0007	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008
SC13 Res DG	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0010	$0.0010	$0.0009
4. Uncollectible Expenses Associated with Ga Volumes (Therms)												
SC1 Res	48,497,594	25,195,656	12,710,468	7,703,546	7,604,451	7,589,275	13,216,714	31,098,794	58,134,756	80,651,675	79,761,433	74,397,962
SC2 Res & Comm	12,045,379	6,332,219	2,990,466	1,953,542	1,818,125	2,186,791	4,864,083	9,716,571	14,260,512	18,319,753	20,026,359	16,243,706
SC2 Ind	156,832	83,739	47,179	42,570	29,658	37,930	67,060	127,266	188,745	245,657	270,925	218,270
SC3 LG Comm & Ind	1,009,812	819,158	745,603	422,679	320,211	363,323	758,041	882,057	1,062,097	1,190,272	1,279,657	1,149,696
SC12 DG	988	915	887	1,725	1,508	1,526	1,545	1,438	1,524	1,518	1,390	1,148
SC13 Res DG	401	183	56	64	53	57	86	251	481	680	677	618
Total	61,711,005	32,431,869	16,494,660	10,124,126	9,774,007	10,178,901	18,907,528	41,826,377	73,648,115	100,409,554	101,340,441	92,011,399
5. Total Dollars = (4 X 3)												
SC1 Res	$474,306	$232,808	$121,893	$72,644	$71,026	$70,049	$119,479	$290,774	$564,488	$817,001	$813,567	$746,956
SC2 Res & Comm	$10,961	$5,446	$2,662	$1,700	$1,582	$1,881	$4,086	$8,453	$12,834	$17,221	$19,025	$15,107
SC2 Ind	$143	$72	$42	$37	$26	$33	$56	$111	$170	$231	$257	$203
SC3 LG Comm & Ind	$879	$664	$634	$351	$263	$294	$606	$732	$913	$1,071	$1,164	$1,023
SC12 DG	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1
SC13 Res DG	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1	$1	$1
Total	$ 486,290	$ 238,990	$ 125,231	$ 74,733	$ 72,897	$ 72,258	$ 124,229	$ 300,071	$ 578,408	$ 835,526	$ 834,015	$ 763,290
FY Total (Apr - Mar)												$4,505,939
MCG Year Total (Sept - Aug)					$ 4,583,001							

Case 17-G-0239
Appendix 3
Schedule 6.3
Page 5 of 12

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Proposed Commodity Related Uncollectible Charge

	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021
1. GAC Forecast ($/Therm)												
SC1 Res	$0.2927	$0.2934	$0.2971	$0.2921	$0.2888	$0.2909	$0.2805	$0.2845	$0.3052	$0.3174	$0.3188	$0.3132
SC2 Res & Comm	$0.2896	$0.2903	$0.2940	$0.2890	$0.2857	$0.2879	$0.2774	$0.2815	$0.3022	$0.3143	$0.3158	$0.3102
SC2 Ind	$0.2896	$0.2903	$0.2940	$0.2890	$0.2857	$0.2879	$0.2774	$0.2815	$0.3022	$0.3143	$0.3158	$0.3102
SC3 LG Comm & Ind	$0.2756	$0.2763	$0.2801	$0.2751	$0.2718	$0.2742	$0.2638	$0.2678	$0.2885	$0.3007	$0.3021	$0.2965
SC12 DG	$0.2524	$0.2531	$0.2569	$0.2519	$0.2486	$0.2514	$0.2410	$0.2451	$0.2658	$0.2779	$0.2793	$0.2737
SC13 Res DG	$0.2934	$0.2941	$0.2979	$0.2929	$0.2896	$0.2917	$0.2812	$0.2853	$0.3060	$0.3181	$0.3196	$0.3140
2. Uncollectible % Rates												
SC1 Res	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%
SC2 Res & Comm	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC2 Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC3 LG Comm & Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC12 DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC13 Res DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
3. Uncollectible Expenses Associated with Ga												
SC1 Res	$0.0094	$0.0094	$0.0095	$0.0094	$0.0092	$0.0093	$0.0090	$0.0091	$0.0098	$0.0102	$0.0102	$0.0100
SC2 Res & Comm	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0008	$0.0008	$0.0009	$0.0009	$0.0010	$0.0009
SC2 Ind	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0008	$0.0008	$0.0009	$0.0009	$0.0010	$0.0009
SC3 LG Comm & Ind	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0009	$0.0009	$0.0009	$0.0009
SC12 DG	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0008	$0.0007	$0.0007	$0.0008	$0.0008	$0.0008	$0.0008
SC13 Res DG	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0009	$0.0008	$0.0009	$0.0009	$0.0010	$0.0010	$0.0009
4. Uncollectible Expenses Associated with Ga												
Volumes (Therms)												
SC1 Res	49,378,449	25,754,049	12,961,491	7,790,875	7,795,813	7,671,578	13,461,844	31,583,702	59,443,523	82,488,645	83,964,735	74,203,033
SC2 Res & Comm	12,167,661	6,413,387	3,047,366	2,015,783	1,880,973	2,243,281	4,933,534	9,807,108	14,369,092	18,443,978	20,169,470	15,981,792
SC2 Ind	161,806	87,506	50,822	46,300	32,306	40,924	70,682	131,586	193,933	251,639	277,152	218,480
SC3 LG Comm & Ind	996,472	817,035	753,632	436,172	331,445	372,497	758,785	872,403	1,045,060	1,167,515	1,256,179	1,107,139
SC12 DG	1,153	1,067	1,035	1,725	1,508	1,526	1,545	1,438	1,524	1,518	1,390	1,148
SC13 Res DG	400	183	56	63	53	56	86	250	481	680	696	602
Total	62,705,941	33,073,226	16,814,402	10,290,918	10,042,098	10,329,863	19,226,476	42,396,486	75,053,613	102,353,974	105,669,624	91,512,194
5. Total Dollars = (4 X 3)												
SC1 Res	$462,676	$241,831	$123,264	$72,845	$72,033	$71,422	$120,753	$287,412	$580,763	$838,085	$856,440	$743,514
SC2 Res & Comm	$10,586	$5,580	$2,682	$1,754	$1,618	$1,929	$4,095	$8,238	$13,076	$17,337	$19,161	$14,863
SC2 Ind	$141	$76	$45	$40	$28	$35	$59	$111	$176	$237	$263	$203
SC3 LG Comm & Ind	$827	$678	$633	$362	$272	$305	$599	$698	$909	$1,051	$1,143	$985
SC12 DG	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1	$1
SC13 Res DG	$0	$0	$0	$0	$0	$0	$0	$0	$0	$1	$1	$1
Total	$ 474,231	$ 248,165	$ 126,624	$ 75,002	$ 73,952	$ 73,693	$ 125,507	$ 296,459	$ 594,926	$ 856,711	$ 877,010	$ 759,568
FY Total (Apr - Mar)												$4,581,849
MCG Year Total (Sept - Aug)					$ 4,505,771							

Case 17-G-0239
Appendix 3
Schedule 6.3
Page 6 of 12

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Purchase Related Working Capital for September 1, 2018
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

	SC1 Residential Per Therm	SC2 Residential, Commercial Per Therm	SC2 Industrial Per Therm	SC3 Large General Per Therm	SC12 Distributed Generation Non-Residential Per Therm	SC13 Distributed Generation Residential Per Therm
1) Monthly Gas Supply Charge Forecast for September 1, 2018	$0.31136	$0.30821	$0.30821	$0.29406	$0.27048	$0.31214
2) Lead Lag Rate /1	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
3) Pre-Tax Weighted Average Cost of Capital /2	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
4) Return Requirement on Gas Working Capital (1 x 2 x 3)	$0.00334	$0.00331	$0.00331	$0.00316	$0.00291	$0.00335

Notes:
1/ Per Revenue Requirements Panel (RRP-7, Schedule 5, Page 2)
2/ Appendix 1

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Rate Year Ending March 31, 2019
Proposed Return Requirement on Gas Working Capital

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19
1. MCG Forecast ($/therm)												
SC1 Res	$ 0.3093	$ 0.3043	$ 0.3099	$ 0.3093	$ 0.3140	$ 0.3114	$ 0.2995	$ 0.3135	$ 0.3139	$ 0.3266	$ 0.3298	$ 0.3248
SC2 Res & Comm	$ 0.3061	$ 0.3011	$ 0.3067	$ 0.3061	$ 0.3108	$ 0.3082	$ 0.2963	$ 0.3104	$ 0.3108	$ 0.3235	$ 0.3266	$ 0.3217
SC2 Ind	$ 0.3061	$ 0.3011	$ 0.3067	$ 0.3061	$ 0.3108	$ 0.3082	$ 0.2963	$ 0.3104	$ 0.3108	$ 0.3235	$ 0.3266	$ 0.3217
SC3 LG Comm & Ind	$ 0.2917	$ 0.2867	$ 0.2924	$ 0.2917	$ 0.2965	$ 0.2941	$ 0.2822	$ 0.2962	$ 0.2966	$ 0.3093	$ 0.3125	$ 0.3075
SC12 DG	$ 0.2678	$ 0.2628	$ 0.2684	$ 0.2677	$ 0.2725	$ 0.2705	$ 0.2586	$ 0.2726	$ 0.2730	$ 0.2857	$ 0.2889	$ 0.2839
SC13 Res DG	$ 0.3101	$ 0.3051	$ 0.3107	$ 0.3101	$ 0.3148	$ 0.3121	$ 0.3002	$ 0.3143	$ 0.3147	$ 0.3274	$ 0.3306	$ 0.3256
2. Lead Lag Rates												
SC1 Res	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Res & Comm	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC3 LG Comm & Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC12 DG	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC13 Res DG	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
3. Pre-Tax Weighted Average Cost of Capital												
SC1 Res	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
SC2 Res & Comm	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
SC2 Ind	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
SC3 LG Comm & Ind	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
SC12 DG	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
SC13 Res DG	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
4. Return Requirement on Gas Working Capital ($/therm) = (1 X 2 X 3)												
SC1 Res	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0034	$ 0.0033	$ 0.0032	$ 0.0034	$ 0.0034	$ 0.0035	$ 0.0035	$ 0.0035
SC2 Res & Comm	$ 0.0033	$ 0.0032	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0032	$ 0.0033	$ 0.0033	$ 0.0035	$ 0.0035	$ 0.0035
SC2 Ind	$ 0.0033	$ 0.0032	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0032	$ 0.0033	$ 0.0033	$ 0.0035	$ 0.0035	$ 0.0035
SC3 LG Comm & Ind	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0032	$ 0.0032	$ 0.0030	$ 0.0032	$ 0.0032	$ 0.0033	$ 0.0034	$ 0.0033
SC12 DG	$ 0.0029	$ 0.0028	$ 0.0029	$ 0.0029	$ 0.0029	$ 0.0029	$ 0.0028	$ 0.0029	$ 0.0029	$ 0.0031	$ 0.0031	$ 0.0031
SC13 Res DG	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0033	$ 0.0034	$ 0.0034	$ 0.0032	$ 0.0034	$ 0.0034	$ 0.0035	$ 0.0036	$ 0.0035
5. Volumes (Therms)												
SC1 Res	47,581,462	24,685,150	12,482,128	7,627,231	7,429,483	7,529,329	13,015,179	30,710,132	57,043,419	79,126,228	80,545,298	71,231,480
SC2 Res & Comm	11,827,822	6,191,304	2,898,743	1,868,627	1,737,646	2,114,010	4,771,226	9,590,184	14,103,291	18,152,874	19,869,808	15,720,284
SC2 Ind	152,180	79,690	42,957	38,557	26,883	34,832	63,452	123,567	184,811	241,791	267,324	209,190
SC3 LG Comm & Ind	1,010,058	810,344	728,076	404,635	306,388	352,205	753,188	886,815	1,073,799	1,207,667	1,299,327	1,137,589
SC12 DG	988	915	887	1,479	1,293	1,308	1,324	1,232	1,306	1,301	1,192	984
SC13 Res DG	401	184	56	64	53	57	87	252	482	681	697	603
Total	60,572,911	31,767,586	16,152,847	9,940,593	9,501,746	10,031,740	18,604,456	41,312,182	72,407,108	98,730,542	101,983,647	88,300,130
6. Total Return Requirement on Gas Working Capital = (4 X 5)												
SC1 Res	$ 157,970	$ 80,720	$ 41,565	$ 25,322	$ 25,037	$ 25,148	$ 41,909	$ 103,493	$ 192,236	$ 277,733	$ 285,130	$ 248,598
SC2 Res & Comm	$ 38,914	$ 19,998	$ 9,537	$ 6,148	$ 5,804	$ 6,997	$ 15,172	$ 31,935	$ 47,105	$ 62,990	$ 69,743	$ 54,392
SC2 Ind	$ 501	$ 257	$ 141	$ 127	$ 90	$ 115	$ 202	$ 411	$ 617	$ 839	$ 938	$ 724
SC3 LG Comm & Ind	$ 3,161	$ 2,496	$ 2,286	$ 1,267	$ 974	$ 1,113	$ 2,282	$ 2,820	$ 3,425	$ 4,009	$ 4,366	$ 3,754
SC12 DG	$ 3	$ 3	$ 3	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 3
SC13 Res DG	$ 1	$ 1	$ 0	$ 0	$ 0	$ 0	$ 0	$ 1	$ 2	$ 2	$ 2	$ 2
Total	$ 200,550	$ 103,475	$ 53,533	$ 32,868	$ 31,909	$ 33,378	$ 59,569	$ 138,664	$ 243,389	$ 345,578	$ 360,184	$ 307,473
FY Total												$ 1,910,571
MCG Year Total (Sept - Aug)												

Case 17-G-0239
Appendix 3
Schedule 6.3
Page 8 of 12

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Data Year 1 Ending March 31, 2020
Proposed Return Requirement on Gas Working Capital

	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1. MCG Forecast ($/therm)												
SC1 Res	$ 0.3058	$ 0.2887	$ 0.2996	$ 0.2947	$ 0.2918	$ 0.2885	$ 0.2826	$ 0.2922	$ 0.3036	$ 0.3165	$ 0.3188	$ 0.3137
SC2 Res & Comm	$ 0.3026	$ 0.2856	$ 0.2964	$ 0.2915	$ 0.2887	$ 0.2854	$ 0.2795	$ 0.2891	$ 0.3005	$ 0.3134	$ 0.3157	$ 0.3106
SC2 Ind	$ 0.3026	$ 0.2856	$ 0.2964	$ 0.2915	$ 0.2887	$ 0.2854	$ 0.2795	$ 0.2891	$ 0.3005	$ 0.3134	$ 0.3157	$ 0.3106
SC3 LG Comm & Ind	$ 0.2885	$ 0.2714	$ 0.2823	$ 0.2774	$ 0.2745	$ 0.2715	$ 0.2656	$ 0.2752	$ 0.2865	$ 0.2995	$ 0.3018	$ 0.2966
SC12 DG	$ 0.2649	$ 0.2478	$ 0.2587	$ 0.2538	$ 0.2510	$ 0.2483	$ 0.2424	$ 0.2520	$ 0.2633	$ 0.2763	$ 0.2786	$ 0.2734
SC13 Res DG	$ 0.3066	$ 0.2895	$ 0.3004	$ 0.2955	$ 0.2926	$ 0.2893	$ 0.2834	$ 0.2930	$ 0.3043	$ 0.3173	$ 0.3196	$ 0.3144
2. Lead Lag Rates												
SC1 Res	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Res & Comm	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC3 LG Comm & Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC12 DG	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC13 Res DG	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
3. Pre-Tax Weighted Average Cost of Capital												
SC1 Res	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC2 Res & Comm	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC2 Ind	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC3 LG Comm & Ind	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC12 DG	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC13 Res DG	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
4. Return Requirement on Gas Working Capital ($/thern												
SC1 Res	$ 0.0033	$ 0.0031	$ 0.0032	$ 0.0032	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0031	$ 0.0032	$ 0.0034	$ 0.0034	$ 0.0034
SC2 Res & Comm	$ 0.0032	$ 0.0031	$ 0.0032	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0031	$ 0.0032	$ 0.0034	$ 0.0034	$ 0.0033
SC2 Ind	$ 0.0032	$ 0.0031	$ 0.0032	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0031	$ 0.0032	$ 0.0034	$ 0.0034	$ 0.0033
SC3 LG Comm & Ind	$ 0.0031	$ 0.0029	$ 0.0030	$ 0.0030	$ 0.0029	$ 0.0029	$ 0.0028	$ 0.0029	$ 0.0031	$ 0.0032	$ 0.0032	$ 0.0032
SC12 DG	$ 0.0028	$ 0.0027	$ 0.0028	$ 0.0027	$ 0.0027	$ 0.0027	$ 0.0026	$ 0.0027	$ 0.0028	$ 0.0030	$ 0.0030	$ 0.0029
SC13 Res DG	$ 0.0033	$ 0.0031	$ 0.0032	$ 0.0032	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0031	$ 0.0033	$ 0.0034	$ 0.0034	$ 0.0034
5. Volumes (Therms)												
SC1 Res	48,497,594	25,195,656	12,710,468	7,703,546	7,604,451	7,589,275	13,216,714	31,098,794	58,134,756	80,651,675	79,761,433	74,397,962
SC2 Res & Comm	12,045,379	6,332,219	2,990,466	1,953,542	1,818,125	2,186,791	4,864,083	9,716,571	14,260,512	18,319,753	20,026,359	16,243,706
SC2 Ind	156,832	83,739	47,179	42,570	29,658	37,930	67,060	127,266	188,745	245,657	270,925	218,270
SC3 LG Comm & Ind	1,009,812	819,158	745,603	422,679	320,211	363,323	758,041	882,057	1,062,097	1,190,272	1,279,657	1,149,696
SC12 DG	988	915	887	1,725	1,508	1,526	1,545	1,438	1,524	1,518	1,390	1,148
SC13 Res DG	401	183	56	64	53	57	86	251	481	680	677	618
Total	61,711,005	32,431,869	16,494,660	10,124,126	9,774,007	10,178,901	18,907,528	41,826,377	73,648,115	100,409,554	101,340,441	92,011,399
6. Total Return Requirement on Gas Working Capital =												
SC1 Res	$ 158,102	$ 77,603	$ 40,673	$ 24,266	$ 23,726	$ 23,375	$ 39,914	$ 97,028	$ 188,357	$ 272,603	$ 271,189	$ 249,233
SC2 Res & Comm	$ 38,907	$ 19,313	$ 9,450	$ 6,076	$ 5,600	$ 6,670	$ 14,495	$ 30,024	$ 45,776	$ 61,371	$ 67,489	$ 53,929
SC2 Ind	$ 507	$ 255	$ 149	$ 132	$ 91	$ 116	$ 200	$ 393	$ 606	$ 823	$ 913	$ 725
SC3 LG Comm & Ind	$ 3,110	$ 2,376	$ 2,244	$ 1,251	$ 938	$ 1,054	$ 2,153	$ 2,593	$ 3,250	$ 3,809	$ 4,120	$ 3,645
SC12 DG	$ 3	$ 2	$ 2	$ 5	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 3
SC13 Res DG	$ 1	$ 1	$ 0	$ 0	$ 0	$ 0	$ 0	$ 1	$ 2	$ 2	$ 2	$ 2
Total	$ 200,630	$ 99,550	$ 52,519	$ 31,730	$ 30,359	$ 31,218	$ 56,766	$ 130,044	$ 237,995	$ 338,612	$ 343,718	$ 307,537
FY Total												$ 1,860,678
MCG Year Total (Sept - Aug)					$ 1,903,024							

Case 17-G-0239
Appendix 3
Schedule 6.3
Page 9 of 12

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Data Year 2 Ending March 31, 2021
Proposed Return Requirement on Gas Working Capital

	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1. MCG Forecast ($/therm)												
SC1 Res	$ 0.2927	$ 0.2934	$ 0.2971	$ 0.2921	$ 0.2888	$ 0.2909	$ 0.2805	$ 0.2845	$ 0.3052	$ 0.3174	$ 0.3188	$ 0.3132
SC2 Res & Comm	$ 0.2896	$ 0.2903	$ 0.2940	$ 0.2890	$ 0.2857	$ 0.2879	$ 0.2774	$ 0.2815	$ 0.3022	$ 0.3143	$ 0.3158	$ 0.3102
SC2 Ind	$ 0.2896	$ 0.2903	$ 0.2940	$ 0.2890	$ 0.2857	$ 0.2879	$ 0.2774	$ 0.2815	$ 0.3022	$ 0.3143	$ 0.3158	$ 0.3102
SC3 LG Comm & Ind	$ 0.2756	$ 0.2763	$ 0.2801	$ 0.2751	$ 0.2718	$ 0.2742	$ 0.2638	$ 0.2678	$ 0.2885	$ 0.3007	$ 0.3021	$ 0.2965
SC12 DG	$ 0.2524	$ 0.2531	$ 0.2569	$ 0.2519	$ 0.2486	$ 0.2514	$ 0.2410	$ 0.2451	$ 0.2658	$ 0.2779	$ 0.2793	$ 0.2737
SC13 Res DG	$ 0.2934	$ 0.2941	$ 0.2979	$ 0.2929	$ 0.2896	$ 0.2917	$ 0.2812	$ 0.2853	$ 0.3060	$ 0.3181	$ 0.3196	$ 0.3140
2. Lead Lag Rates												
SC1 Res	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Res & Comm	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC3 LG Comm & Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC12 DG	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC13 Res DG	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
3. Pre-Tax Weighted Average Cost of Capital												
SC1 Res	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC2 Res & Comm	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC2 Ind	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC3 LG Comm & Ind	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC12 DG	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC13 Res DG	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
4. Return Requirement on Gas Working Capital ($/thern												
SC1 Res	$ 0.0031	$ 0.0031	$ 0.0032	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0030	$ 0.0033	$ 0.0034	$ 0.0034	$ 0.0033
SC2 Res & Comm	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0031	$ 0.0030	$ 0.0030	$ 0.0032	$ 0.0033	$ 0.0034	$ 0.0033
SC2 Ind	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0031	$ 0.0030	$ 0.0030	$ 0.0032	$ 0.0033	$ 0.0034	$ 0.0033
SC3 LG Comm & Ind	$ 0.0029	$ 0.0029	$ 0.0030	$ 0.0029	$ 0.0029	$ 0.0029	$ 0.0028	$ 0.0029	$ 0.0031	$ 0.0032	$ 0.0032	$ 0.0032
SC12 DG	$ 0.0027	$ 0.0027	$ 0.0027	$ 0.0027	$ 0.0026	$ 0.0027	$ 0.0026	$ 0.0026	$ 0.0028	$ 0.0030	$ 0.0030	$ 0.0029
SC13 Res DG	$ 0.0031	$ 0.0031	$ 0.0032	$ 0.0031	$ 0.0031	$ 0.0031	$ 0.0030	$ 0.0030	$ 0.0033	$ 0.0034	$ 0.0034	$ 0.0033
5. Volumes (Therms)												
SC1 Res	49,378,449	25,754,049	12,961,491	7,790,875	7,795,813	7,671,578	13,461,844	31,583,702	59,443,523	82,488,645	83,964,735	74,203,033
SC2 Res & Comm	12,167,661	6,413,387	3,047,366	2,015,783	1,880,973	2,243,281	4,933,534	9,807,108	14,369,092	18,443,978	20,169,470	15,981,792
SC2 Ind	161,806	87,506	50,822	46,300	32,306	40,924	70,682	131,586	193,933	251,639	277,152	218,480
SC3 LG Comm & Ind	996,472	817,035	753,632	436,172	331,445	372,497	758,785	872,403	1,045,060	1,167,515	1,256,179	1,107,139
SC12 DG	1,153	1,067	1,035	1,725	1,508	1,526	1,545	1,438	1,524	1,518	1,390	1,148
SC13 Res DG	400	183	56	63	53	56	86	250	481	680	696	602
Total	62,705,941	33,073,226	16,814,402	10,290,918	10,042,098	10,329,863	19,226,476	42,396,486	75,053,613	102,353,974	105,669,624	91,512,194
6. Total Return Requirement on Gas Working Capital =												
SC1 Res	$ 153,567	$ 80,353	$ 40,958	$ 24,230	$ 23,933	$ 23,705	$ 40,116	$ 95,699	$ 193,191	$ 278,812	$ 284,640	$ 247,096
SC2 Res & Comm	$ 37,476	$ 19,817	$ 9,538	$ 6,188	$ 5,718	$ 6,864	$ 14,554	$ 29,323	$ 46,125	$ 61,603	$ 67,769	$ 52,740
SC2 Ind	$ 498	$ 270	$ 159	$ 142	$ 98	$ 125	$ 209	$ 393	$ 623	$ 840	$ 931	$ 721
SC3 LG Comm & Ind	$ 2,920	$ 2,402	$ 2,246	$ 1,278	$ 958	$ 1,088	$ 2,132	$ 2,486	$ 3,208	$ 3,736	$ 4,032	$ 3,487
SC12 DG	$ 3	$ 3	$ 3	$ 5	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 4	$ 3
SC13 Res DG	$ 1	$ 1	$ 0	$ 0	$ 0	$ 0	$ 0	$ 1	$ 2	$ 2	$ 2	$ 2
Total	$ 194,466	$ 102,846	$ 52,904	$ 31,843	$ 30,712	$ 31,787	$ 57,015	$ 127,906	$ 243,153	$ 344,998	$ 357,380	$ 304,050
FY Total												$ 1,879,059
MCG Year Total (Sept - Aug)					$ 1,858,660							

Case 17-G-0239
Appendix 3
Schedule 6.3
Page 10 of 12

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge
Illustrative Example - Calculation of Return Requirement on Gas Storage Inventory Annual Reconciliation
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

1) Set Return Requirement on Gas Storage Inventory Charge for: September 1, 2018 - August 31, 2019

	Estimated Storage Inventory Balance	Estimated Wtd Avg Storage Inventory Cost (based on 02/24/2017 NYMEX)	Estimated Storage Inventory Costs
	(dt)	($/dt)	($)
	(1)	(2)	(3) = (1 * 2)
9/30/2018	12,582,968	$2.21	$ 27,861,874
10/31/2018	14,828,149	$2.21	$ 32,714,519
11/30/2018	14,515,978	$2.21	$ 32,008,485
12/31/2018	11,706,434	$2.21	$ 25,813,294
1/31/2019	7,804,289	$2.21	$ 17,208,863
2/28/2019	3,902,145	$2.21	$ 8,604,432
3/31/2019	-	$0.00	$ -
4/30/2019	685,254	$2.23	$ 1,525,757
5/31/2019	1,666,215	$2.08	$ 3,461,244
6/30/2019	4,657,859	$2.10	$ 9,781,332
7/31/2019	7,659,344	$2.10	$ 16,101,689
8/31/2019	10,288,833	$2.09	$ 21,520,712
	90,297,468		$ 196,602,201

a)	Estimated Monthly Average Storage Inventory Costs (12 Months)	$16,383,517	
b)	Pre-Tax Weighted Average Cost of Capital /1	8.07%	
c)	Estimated Return Requirement on Gas Storage Inventory (a x b)	$1,322,150	
d)	Forecasted SC 1, 2, 3, 12 and 13 Sales: September 1, 2018 - August 31, 2019	561,905,472	Therms
e)	Return Requirement on Gas Storage Inventory Charge (2c / 2d) : Effective September 1, 2018 - August 31, 2019	$0.00235	$/Therm

2) Perform Annual Reconciliation

a)	Actual Return Requirement on Gas Storage Inventory Recoveries September 1, 2018 - August 31, 2019 :	$1,500,000	
b)	Return Requirement on Gas Storage Inventory Charge Target:	$1,322,150	
c)	Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)	-$177,850	
d)	Sales Forecast : Jan 2020 - Dec 2020 SC 1, 2, 3, 12 and 13 sales	573,694,416	Therms
e)	Annual Reconciliation Adjustment Effective Jan 1, 2020 to December 31, 2020 Annual Imbalance Credit = (2c / 2d)	-$0.00031	$/Therm

Notes:
1/ Appendix 1

Niagara Mohawk Power Corporation d/b/a National Grid
Merchant Function Charge - Unit $ per Therm Charges
Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13
Illustrative Example - MFC Monthly Statement for September 1, 2018

	SC1 Residential Per Therm	SC2 Residential, Commercial Per Therm	SC2 Industrial Per Therm	SC3 Large General Per Therm	SC12 Distributed Generation Non-Residential Per Therm	SC13 Distributed Generation Residential Per Therm
1) Estimated Commodity Related Uncollectible Charge /1	$0.00996	$0.00092	$0.00092	$0.00088	$0.00081	$0.00094
2) Gas Supply Procurement Charge /2	$0.00248	$0.00248	$0.00248	$0.00248	$0.00248	$0.00248
3) Commodity Related Credit and Collection Charge /3	$0.00205	$0.00009	$0.00009	$0.00009	$0.00009	$0.00009
4) Estimated Return Requirement on Gas Storage Inventory /4	$0.00235	$0.00235	$0.00235	$0.00235	$0.00235	$0.00235
5) Estimated Return Requirement on Gas Purchase Related Working Capital /5	$0.00334	$0.00331	$0.00331	$0.00316	$0.00291	$0.00335
Sum (1-5) Total Merchant Function Charge	$0.02018	$0.00915	$0.00915	$0.00895	$0.00863	$0.00920

Applicable to ESCOs that Participate in the Company's POR Program that Serve Customers
taking Transportation Service under Service Classification Nos. 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8

	SC1 MB Residential Per Therm	SC2 MB, 12 DB, 12MB, 13MB, 5, 7 and 8 Per Therm
1) Commodity Related Credit and Collection Charge /6	$0.00205	$0.00009

Notes:
1: Schedule 6.3, Page 3
2: Schedule 6.3, Page 1
3: Schedule 6.3, Page 2
4: Schedule 6.3, Page 11
5: Schedule 6.3, Page 8
6: Schedule 6.3, Page 2

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2019 - 2023

SC 1 Residential Non-Heating Target	FY19	FY20	FY21	FY22	FY23
Delivery Revenue	$ 8,433,720	$ 8,603,367	$ 8,612,611	$ 8,647,904	$ 8,660,102
Number of Customers	28,797	28,753	28,162	28,162	28,162
RPC Target	$ 292.87	$ 299.22	$ 305.83	$ 307.08	$ 307.52
SC 1 Residential Heating Target					
Delivery Revenue	$ 241,376,652	$ 258,205,295	$ 275,745,103	$ 278,599,795	$ 279,586,576
Number of Customers	544,716	549,510	554,470	554,470	554,470
RPC Target	$ 443.12	$ 469.88	$ 497.31	$ 502.46	$ 504.24
SC 2 Residential Target					
Delivery Revenue	$ 1,294,461	$ 1,405,826	$ 1,462,523	$ 1,473,650	$ 1,479,297
Number of Customers	1,924	2,010	2,007	2,007	2,007
RPC Target	$ 672.81	$ 699.45	$ 728.60	$ 734.15	$ 736.96
SC 2 Commercial Target					
Delivery Revenue	$ 54,863,254	$ 58,845,559	$ 62,383,836	$ 63,005,466	$ 63,321,428
Number of Customers	45,094	45,275	45,380	45,380	45,380
RPC Target	$ 1,216.64	$ 1,299.74	$ 1,374.70	$ 1,388.40	$ 1,395.36
SC 2 Industrial Target					
Delivery Revenue	$ 493,504	$ 541,605	$ 587,517	$ 594,365	$ 597,850
Number of Customers	149	151	153	153	153
RPC Target	$ 3,320.47	$ 3,594.85	$ 3,842.43	$ 3,887.21	$ 3,910.00
SC 7 Firm Transportation Target					
Delivery Revenue	$ 9,459,841	$ 10,143,152	$ 10,866,613	$ 10,976,482	$ 11,031,679
Number of Customers	704	707	715	715	715
RPC Target	$ 13,445.00	$ 14,348.12	$ 15,193.43	$ 15,347.04	$ 15,424.22

FY19 Supported by Exhibit____Appendix 3, Sch 4.1B, SC1 Lines 1-4, SC 2 Lines 5-14, SC7 Line 20;and Sch 4.1A, 4.2A, 4.3A and 4.4A for Tax Credits
FY20, FY21 & FY22 Supported by Exhibit____Appendix 3, Sch 3

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2019

SC1 - Residential Non-Heat	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
Customer	28,600	29,165	28,998	28,787	28,702	28,684	28,688	28,694	28,777	28,830	28,862	28,779	**28,797**
Tariff Margin	$ 729,192	$ 698,067	$ 671,144	$ 628,622	$ 629,690	$ 623,174	$ 636,953	$ 687,504	$ 756,077	$ 797,745	$ 796,847	$ 778,703	**$ 8,433,720**
Margin Per Customer	**$ 25.50**	**$ 23.94**	**$ 23.14**	**$ 21.84**	**$ 21.94**	**$ 21.73**	**$ 22.20**	**$ 23.96**	**$ 26.27**	**$ 27.67**	**$ 27.61**	**$ 27.06**	**$ 292.87**

SC1 - Residential Heat	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
Customer	545,267	544,390	543,396	542,276	541,687	541,818	542,331	543,691	545,799	547,580	548,729	549,627	**544,716**
Tariff Margin	$ 23,350,958	$ 19,939,324	$ 16,092,882	$ 13,905,876	$ 13,882,971	$ 13,958,442	$ 16,244,728	$ 20,878,534	$ 24,285,038	$ 26,443,551	$ 26,637,952	$ 25,756,395	**$ 241,376,652**
Margin Per Customer	**$ 42.82**	**$ 36.63**	**$ 29.62**	**$ 25.64**	**$ 25.63**	**$ 25.76**	**$ 29.95**	**$ 38.40**	**$ 44.49**	**$ 48.29**	**$ 48.54**	**$ 46.86**	**$ 443.12**

SC2 - Residential	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
Customer	1,848	1,937	1,913	1,903	1,897	1,911	1,912	1,927	1,945	1,958	1,965	1,972	**1,924**
Tariff Margin	$ 121,833	$ 92,371	$ 72,230	$ 63,012	$ 63,366	$ 64,171	$ 70,754	$ 100,398	$ 140,632	$ 170,638	$ 173,457	$ 161,600	**$ 1,294,461**
Margin Per Customer	**$ 65.94**	**$ 47.69**	**$ 37.76**	**$ 33.12**	**$ 33.41**	**$ 33.58**	**$ 37.00**	**$ 52.10**	**$ 72.29**	**$ 87.15**	**$ 88.28**	**$ 81.95**	**$ 672.81**

SC2 - Commercial	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
Customer	45,360	45,257	45,041	44,846	44,732	44,652	44,680	44,851	45,179	45,413	45,547	45,570	**45,094**
Tariff Margin	$ 5,709,009	$ 3,728,140	$ 2,387,331	$ 1,877,127	$ 1,794,836	$ 1,967,966	$ 3,022,488	$ 4,921,303	$ 6,522,929	$ 7,698,615	$ 8,189,454	$ 7,044,057	**$ 54,863,254**
Margin Per Customer	**$ 125.86**	**$ 82.38**	**$ 53.00**	**$ 41.86**	**$ 40.12**	**$ 44.07**	**$ 67.65**	**$ 109.73**	**$ 144.38**	**$ 169.53**	**$ 179.80**	**$ 154.58**	**$ 1,216.64**

SC2 - Industrial	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
Customer	149	148	147	146	146	147	147	148	150	153	152	152	**149**
Tariff Margin	$ 55,043	$ 32,440	$ 18,165	$ 13,873	$ 11,832	$ 14,011	$ 24,107	$ 44,531	$ 62,336	$ 73,776	$ 79,222	$ 64,168	**$ 493,504**
Margin Per Customer	**$ 369.57**	**$ 219.92**	**$ 123.92**	**$ 94.82**	**$ 81.19**	**$ 95.42**	**$ 164.17**	**$ 301.07**	**$ 416.86**	**$ 482.95**	**$ 519.77**	**$ 421.87**	**$ 3,320.47**

SC7	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
Customer	703	703	704	705	704	705	705	703	704	702	703	703	**704**
Tariff Margin	$ 941,782	$ 585,051	$ 397,018	$ 285,050	$ 301,782	$ 378,652	$ 597,177	$ 888,180	$ 1,109,514	$ 1,343,391	$ 1,451,473	$ 1,180,772	**$ 9,459,841**
Margin Per Customer	**$ 1,339.52**	**$ 832.13**	**$ 563.88**	**$ 404.35**	**$ 428.72**	**$ 537.39**	**$ 847.52**	**$ 1,263.37**	**$ 1,575.78**	**$ 1,913.85**	**$ 2,064.69**	**$ 1,680.18**	**$ 13,445.00**

Case 17-G-0239
Appendix 3
Schedule 7.1
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2020

SC1 - Residential Non-Heat	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
Customer	28,817	29,112	28,939	28,721	28,629	28,618	28,621	28,625	28,705	28,754	28,785	28,706	28,753
Tariff Margin	$ 754,531	$ 710,071	$ 679,167	$ 631,629	$ 633,693	$ 625,917	$ 642,118	$ 698,516	$ 777,291	$ 824,595	$ 818,261	$ 807,578	$ 8,603,367
Margin Per Customer	$ 26.18	$ 24.39	$ 23.47	$ 21.99	$ 22.13	$ 21.87	$ 22.44	$ 24.40	$ 27.08	$ 28.68	$ 28.43	$ 28.13	$ 299.22

SC1 - Residential Heat	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
Customer	549,979	549,384	548,369	547,223	546,602	546,673	547,140	548,451	550,511	552,242	553,348	554,198	549,510
Tariff Margin	$ 25,244,137	$ 21,331,712	$ 16,910,049	$ 14,381,164	$ 14,406,546	$ 14,440,809	$ 17,081,185	$ 22,380,460	$ 26,313,166	$ 28,781,682	$ 28,765,071	$ 28,169,314	$ 258,205,295
Margin Per Customer	$ 45.90	$ 38.83	$ 30.84	$ 26.28	$ 26.36	$ 26.42	$ 31.22	$ 40.81	$ 47.80	$ 52.12	$ 51.98	$ 50.83	$ 469.88

SC2 - Residential	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
Customer	1,977	2,025	2,000	1,990	1,983	1,991	1,992	2,007	2,025	2,037	2,043	2,050	2,010
Tariff Margin	$ 135,945	$ 99,844	$ 77,313	$ 66,847	$ 67,507	$ 67,946	$ 75,426	$ 108,167	$ 153,563	$ 187,044	$ 186,818	$ 179,407	$ 1,405,826
Margin Per Customer	$ 68.75	$ 49.31	$ 38.66	$ 33.60	$ 34.04	$ 34.13	$ 37.86	$ 53.90	$ 75.85	$ 91.84	$ 91.43	$ 87.54	$ 699.45

SC2 - Commercial	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
Customer	45,594	45,481	45,255	45,048	44,923	44,834	44,856	45,018	45,337	45,561	45,687	45,703	45,275
Tariff Margin	$ 6,145,713	$ 3,990,446	$ 2,528,893	$ 1,975,181	$ 1,883,321	$ 2,068,210	$ 3,212,285	$ 5,271,658	$ 7,006,008	$ 8,275,078	$ 8,804,322	$ 7,684,445	$ 58,845,559
Margin Per Customer	$ 134.79	$ 87.74	$ 55.88	$ 43.85	$ 41.92	$ 46.13	$ 71.61	$ 117.10	$ 154.53	$ 181.63	$ 192.71	$ 168.14	$ 1,299.74

SC2 - Industrial	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
Customer	151	150	149	148	148	149	149	150	152	155	154	154	151
Tariff Margin	$ 60,378	$ 35,799	$ 20,295	$ 15,418	$ 13,090	$ 15,444	$ 26,591	$ 48,724	$ 68,054	$ 80,363	$ 86,240	$ 71,209	$ 541,605
Margin Per Customer	$ 399.48	$ 239.20	$ 136.53	$ 103.95	$ 88.62	$ 103.68	$ 178.52	$ 324.88	$ 449.04	$ 519.64	$ 559.03	$ 462.10	$ 3,594.85

SC7	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
Customer	704	704	705	706	705	706	708	708	709	709	710	710	707
Tariff Margin	$ 1,007,181	$ 620,453	$ 415,482	$ 290,573	$ 310,193	$ 397,749	$ 635,195	$ 952,339	$ 1,192,830	$ 1,450,354	$ 1,567,906	$ 1,302,896	$ 10,143,152
Margin Per Customer	$ 1,431.09	$ 881.59	$ 589.38	$ 411.63	$ 440.17	$ 563.77	$ 897.08	$ 1,344.99	$ 1,682.13	$ 2,045.29	$ 2,207.88	$ 1,835.02	$ 14,348.12

Case 17-G-0239
Appendix 3
Schedule 7.2
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2021

SC1 - Residential Non-Heat	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
Customer	28,739	28,489	28,308	28,083	27,986	27,979	27,981	27,985	28,065	28,114	28,144	28,065	**28,162**
Tariff Margin	$ 772,718	$ 708,340	$ 673,922	$ 622,044	$ 625,266	$ 616,070	$ 634,550	$ 695,481	$ 783,114	$ 835,229	$ 834,472	$ 811,403	**$ 8,612,611**
Margin Per Customer	**$ 26.89**	**$ 24.86**	**$ 23.81**	**$ 22.15**	**$ 22.34**	**$ 22.02**	**$ 22.68**	**$ 24.85**	**$ 27.90**	**$ 29.71**	**$ 29.65**	**$ 28.91**	**$ 305.83**

SC1 - Residential Heat	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
Customer	554,507	554,478	553,433	552,263	551,622	551,666	552,119	553,421	555,474	557,202	558,302	559,148	**554,470**
Tariff Margin	$ 27,197,726	$ 22,771,906	$ 17,749,683	$ 14,860,503	$ 14,948,277	$ 14,928,453	$ 17,942,257	$ 23,933,412	$ 28,425,148	$ 31,219,682	$ 31,463,010	$ 30,305,045	**$ 275,745,103**
Margin Per Customer	**$ 49.05**	**$ 41.07**	**$ 32.07**	**$ 26.91**	**$ 27.10**	**$ 27.06**	**$ 32.50**	**$ 43.25**	**$ 51.17**	**$ 56.03**	**$ 56.35**	**$ 54.20**	**$ 497.31**

SC2 - Residential	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
Customer	2,055	2,018	1,992	1,982	1,975	1,980	1,981	1,995	2,013	2,025	2,032	2,038	**2,007**
Tariff Margin	$ 147,183	$ 103,078	$ 78,974	$ 67,671	$ 68,622	$ 68,730	$ 76,839	$ 111,424	$ 160,159	$ 195,857	$ 199,152	$ 184,834	**$ 1,462,523**
Margin Per Customer	**$ 71.62**	**$ 51.07**	**$ 39.64**	**$ 34.15**	**$ 34.75**	**$ 34.71**	**$ 38.78**	**$ 55.84**	**$ 79.55**	**$ 96.70**	**$ 98.01**	**$ 90.69**	**$ 728.60**

SC2 - Commercial	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
Customer	45,716	45,598	45,365	45,154	45,026	44,935	44,955	45,117	45,436	45,662	45,790	45,807	**45,380**
Tariff Margin	$ 6,545,926	$ 4,229,539	$ 2,657,047	$ 2,065,017	$ 1,965,797	$ 2,162,322	$ 3,391,926	$ 5,605,217	$ 7,466,943	$ 8,829,670	$ 9,397,785	$ 8,066,645	**$ 62,383,836**
Margin Per Customer	**$ 143.19**	**$ 92.76**	**$ 58.57**	**$ 45.73**	**$ 43.66**	**$ 48.12**	**$ 75.45**	**$ 124.24**	**$ 164.34**	**$ 193.37**	**$ 205.24**	**$ 176.10**	**$ 1,374.70**

SC2 - Industrial	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
Customer	153	152	151	151	150	151	151	152	154	157	156	156	**153**
Tariff Margin	$ 65,598	$ 39,052	$ 22,351	$ 16,969	$ 14,351	$ 16,891	$ 29,082	$ 52,949	$ 73,816	$ 87,144	$ 93,429	$ 75,885	**$ 587,517**
Margin Per Customer	**$ 427.43**	**$ 257.15**	**$ 148.18**	**$ 112.73**	**$ 95.75**	**$ 111.71**	**$ 192.34**	**$ 347.79**	**$ 479.89**	**$ 555.23**	**$ 597.00**	**$ 485.40**	**$ 3,842.43**

SC7	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
Customer	711	711	712	713	712	712	718	718	719	719	720	720	**715**
Tariff Margin	$ 1,082,757	$ 661,976	$ 438,029	$ 298,914	$ 322,039	$ 421,865	$ 680,924	$ 1,026,553	$ 1,288,783	$ 1,569,894	$ 1,698,309	$ 1,376,571	**$ 10,866,613**
Margin Per Customer	**$ 1,523.55**	**$ 931.47**	**$ 615.36**	**$ 419.35**	**$ 452.55**	**$ 592.18**	**$ 948.72**	**$ 1,430.28**	**$ 1,792.98**	**$ 2,184.06**	**$ 2,359.26**	**$ 1,912.63**	**$ 15,193.43**

Case 17-G-0239
Appendix 3
Schedule 7.3
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2022

SC1 - Residential Non-Heat	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
Customer	28,739	28,489	28,308	28,083	27,986	27,979	27,981	27,985	28,065	28,114	28,144	28,065	28,162
Tariff Margin	$ 776,539	$ 710,955	$ 675,912	$ 623,072	$ 626,400	$ 617,019	$ 635,875	$ 698,043	$ 787,425	$ 840,580	$ 839,795	$ 816,289	$ 8,647,904
Margin Per Customer	$ 27.02	$ 24.96	$ 23.88	$ 22.19	$ 22.38	$ 22.05	$ 22.73	$ 24.94	$ 28.06	$ 29.90	$ 29.84	$ 29.09	$ 307.08

SC1 - Residential Heat	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
Customer	554,507	554,478	553,433	552,263	551,622	551,666	552,119	553,421	555,474	557,202	558,302	559,148	554,470
Tariff Margin	$ 27,521,411	$ 23,005,528	$ 17,881,596	$ 14,934,152	$ 15,023,975	$ 15,003,730	$ 18,078,631	$ 24,191,108	$ 28,773,428	$ 31,624,161	$ 31,871,987	$ 30,690,087	$ 278,599,795
Margin Per Customer	$ 49.63	$ 41.49	$ 32.31	$ 27.04	$ 27.24	$ 27.20	$ 32.74	$ 43.71	$ 51.80	$ 56.76	$ 57.09	$ 54.89	$ 502.46

SC2 - Residential	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
Customer	2,055	2,018	1,992	1,982	1,975	1,980	1,981	1,995	2,013	2,025	2,032	2,038	2,007
Tariff Margin	$ 148,417	$ 103,764	$ 79,362	$ 67,919	$ 68,885	$ 68,992	$ 77,204	$ 112,223	$ 161,569	$ 197,715	$ 201,050	$ 186,549	$ 1,473,650
Margin Per Customer	$ 72.22	$ 51.41	$ 39.84	$ 34.27	$ 34.88	$ 34.85	$ 38.97	$ 56.24	$ 80.25	$ 97.62	$ 98.94	$ 91.53	$ 734.15

SC2 - Commercial	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
Customer	45,716	45,598	45,365	45,154	45,026	44,935	44,955	45,117	45,436	45,662	45,790	45,807	45,380
Tariff Margin	$ 6,614,670	$ 4,269,063	$ 2,676,749	$ 2,077,290	$ 1,976,852	$ 2,175,891	$ 3,421,030	$ 5,662,256	$ 7,547,397	$ 8,927,234	$ 9,502,475	$ 8,154,559	$ 63,005,466
Margin Per Customer	$ 144.69	$ 93.62	$ 59.00	$ 46.00	$ 43.90	$ 48.42	$ 76.10	$ 125.50	$ 166.11	$ 195.51	$ 207.52	$ 178.02	$ 1,388.40

SC2 - Industrial	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
Customer	153	152	151	151	150	151	151	152	154	157	156	156	153
Tariff Margin	$ 66,378	$ 39,498	$ 22,587	$ 17,137	$ 14,486	$ 17,058	$ 29,403	$ 53,570	$ 74,700	$ 88,195	$ 94,559	$ 76,794	$ 594,365
Margin Per Customer	$ 432.51	$ 260.09	$ 149.74	$ 113.84	$ 96.65	$ 112.81	$ 194.46	$ 351.87	$ 485.64	$ 561.93	$ 604.21	$ 491.22	$ 3,887.21

SC7	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
Customer	711	711	712	713	712	712	718	718	719	719	720	720	715
Tariff Margin	$ 1,094,443	$ 667,709	$ 440,587	$ 299,499	$ 322,958	$ 424,192	$ 686,889	$ 1,037,407	$ 1,303,342	$ 1,588,431	$ 1,718,657	$ 1,392,367	$ 10,976,482
Margin Per Customer	$ 1,539.99	$ 939.53	$ 618.95	$ 420.17	$ 453.84	$ 595.44	$ 957.03	$ 1,445.41	$ 1,813.23	$ 2,209.85	$ 2,387.52	$ 1,934.58	$ 15,347.04

Case 17-G-0239
Appendix 3
Schedule 7.4
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2023

SC1 - Residential Non-Heat	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
Customer	28,739	28,489	28,308	28,083	27,986	27,979	27,981	27,985	28,065	28,114	28,144	28,065	28,162
Tariff Margin	$ 777,859	$ 711,859	$ 676,600	$ 623,427	$ 626,791	$ 617,347	$ 636,333	$ 698,929	$ 788,915	$ 842,429	$ 841,635	$ 817,978	$ 8,660,102
Margin Per Customer	$ 27.07	$ 24.99	$ 23.90	$ 22.20	$ 22.40	$ 22.06	$ 22.74	$ 24.98	$ 28.11	$ 29.97	$ 29.90	$ 29.15	$ 307.52

SC1 - Residential Heat	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
Customer	554,507	554,478	553,433	552,263	551,622	551,666	552,119	553,421	555,474	557,202	558,302	559,148	554,470
Tariff Margin	$ 27,633,298	$ 23,086,274	$ 17,927,187	$ 14,959,606	$ 15,050,137	$ 15,029,746	$ 18,125,763	$ 24,280,178	$ 28,893,822	$ 31,763,994	$ 32,013,375	$ 30,823,197	$ 279,586,576
Margin Per Customer	$ 49.83	$ 41.64	$ 32.39	$ 27.09	$ 27.28	$ 27.24	$ 32.83	$ 43.87	$ 52.02	$ 57.01	$ 57.34	$ 55.13	$ 504.24

SC2 - Residential	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
Customer	2,055	2,018	1,992	1,982	1,975	1,980	1,981	1,995	2,013	2,025	2,032	2,038	2,007
Tariff Margin	$ 149,043	$ 104,112	$ 79,559	$ 68,045	$ 69,018	$ 69,125	$ 77,389	$ 112,628	$ 162,285	$ 198,659	$ 202,014	$ 187,420	$ 1,479,297
Margin Per Customer	$ 72.53	$ 51.58	$ 39.94	$ 34.34	$ 34.95	$ 34.91	$ 39.06	$ 56.44	$ 80.61	$ 98.08	$ 99.41	$ 91.96	$ 736.96

SC2 - Commercial	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
Customer	45,716	45,598	45,365	45,154	45,026	44,935	44,955	45,117	45,436	45,662	45,790	45,807	45,380
Tariff Margin	$ 6,649,609	$ 4,289,141	$ 2,686,754	$ 2,083,521	$ 1,982,464	$ 2,182,780	$ 3,435,817	$ 5,691,245	$ 7,588,297	$ 8,976,841	$ 9,555,705	$ 8,199,253	$ 63,321,428
Margin Per Customer	$ 145.46	$ 94.07	$ 59.22	$ 46.14	$ 44.03	$ 48.58	$ 76.43	$ 126.14	$ 167.01	$ 196.59	$ 208.69	$ 179.00	$ 1,395.36

SC2 - Industrial	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
Customer	153	152	151	151	150	151	151	152	154	157	156	156	153
Tariff Margin	$ 66,775	$ 39,725	$ 22,707	$ 17,222	$ 14,555	$ 17,143	$ 29,566	$ 53,886	$ 75,150	$ 88,729	$ 95,134	$ 77,256	$ 597,850
Margin Per Customer	$ 435.10	$ 261.58	$ 150.54	$ 114.41	$ 97.11	$ 113.38	$ 195.54	$ 353.95	$ 488.56	$ 565.33	$ 607.89	$ 494.18	$ 3,910.00

SC7	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
Customer	711	711	712	713	712	712	718	718	719	719	720	720	715
Tariff Margin	$ 1,100,313	$ 670,589	$ 441,873	$ 299,793	$ 323,419	$ 425,362	$ 689,886	$ 1,042,861	$ 1,310,657	$ 1,597,743	$ 1,728,879	$ 1,400,303	$ 11,031,679
Margin Per Customer	$ 1,548.25	$ 943.59	$ 620.76	$ 420.59	$ 454.49	$ 597.08	$ 961.21	$ 1,453.00	$ 1,823.41	$ 2,222.81	$ 2,401.72	$ 1,945.61	$ 15,424.22

Case 17-G-0239
Appendix 3
Schedule 7.5
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Calculation of Lost and Unaccounted for Gas (LAUF) Target and Dead Band
Based on 5-Year Historic Period: TME Aug 2012 to Aug 2016

	TME Aug-12	TME Aug-13	TME Aug-14	TME Aug-15	TME Aug-16
Metered Receipts (dt)					
NMPC's City Gate Receipts	149,068,560	164,910,945	182,954,560	192,460,212	164,413,003
Less Dedicated Line Customers	39,109,100	39,255,416	43,905,220	52,541,585	41,467,037
Less SC4	-	-	-	-	-
Total Receipts	**109,959,460**	**125,655,529**	**139,049,340**	**139,918,627**	**122,945,967**
Metered Deliveries (dt)					
SC 1, 2, 3, 12 & 13 Firm Sales	40,743,380	46,258,191	53,053,617	54,334,644	46,401,855
SC8 Standby & SC10 NGV Sales	7	9	5,822,233	9,255,542	9,506,838
SC1MB, 2MB, 5, 7, 8, 12MB, 12 DB & 13 MB Transportation	49,316,353	54,636,422	68,575,259	64,094,364	49,410,111
SC 6, 9 & 14 Transportation	58,453,789	61,630,243	51,856,732	59,791,102	60,186,897
Company Use	31,850	70,494	85,089	83,166	139,993
Metered Soft Offs (Staff Adjustment per IR DPS-565)	60,416	223,803	346,931	253,689	72,390
Total Deliveries	**148,605,794**	**162,819,161**	**179,739,860**	**187,812,507**	**165,718,084**
Less Dedicated Line Customers	40,145,542	38,380,000	43,791,192	52,280,180	42,408,907
Less SC4	-	-	-	-	-
Net Metered Deliveries	**108,460,252**	**124,439,161**	**135,948,668**	**135,532,327**	**123,309,177**
LAUF (dt)	1,499,208	1,216,367	3,100,672	4,386,300	(363,210)
LAUF % (of Deliveries)	1.382%	0.977%	2.281%	3.236%	-0.295%

5-Year Statistics	
Mean LAUF% (of Deliveries)	1.516%
1 Std Deviation	1.335%
2 Std Deviations	2.670%
LAUF Target & Dead Band	
LAUF% Target (% of Deliveries)	**1.516%**
Upper Dead Band (Mean + 2 Std Dev Cap) *	**2.516%**
Lower Dead Band (Mean - 2 Std Dev Cap) *	**0.516%**

* In accordance with the Staff's Draft White Paper, if the standard deviation of the five-year historic average is greater than 0.5%, the dead bands should be limited to plus or minus one percent.

Niagara Mohawk Power Corporation d/b/a National Grid
Net Revenue Sharing Mechanism
Set Rate Year One, Rate Year Two and Rate Year Three Delivery Revenue Targets
Applicable to Customers taking Sales and Delivery Service under SC 1, 2, 3, 5, 7, 8, 12, and 13

1) Rate Year 1 Delivery Revenue Targets: April 1, 2018 - March 31, 2019:

	SC6	SC9 & SC14
Apr-18	$ 276,692	$ 1,315,419
May-18	$ 211,781	$ 1,377,031
Jun-18	$ 170,313	$ 1,318,893
Jul-18	$ 93,966	$ 1,596,532
Aug-18	$ 223,095	$ 1,585,545
Sep-18	$ 233,966	$ 1,456,691
Oct-18	$ 213,818	$ 1,384,399
Nov-18	$ 248,919	$ 1,262,411
Dec-18	$ 223,761	$ 1,366,812
Jan-19	$ 168,383	$ 1,465,247
Feb-19	$ 251,373	$ 1,345,716
Mar-19	$ 187,840	$ 1,477,670
Delivery Revenue Targets	$ 2,503,905	$ 16,952,365

2) Rate Year 2 Delivery Revenue Targets: April 1, 2019 - March 31, 2020:

	SC6	SC9 & SC14
Apr-19	$ 280,835	$ 1,370,776
May-19	$ 214,519	$ 1,423,223
Jun-19	$ 171,687	$ 1,299,269
Jul-19	$ 95,362	$ 1,512,651
Aug-19	$ 224,566	$ 1,468,697
Sep-19	$ 235,665	$ 1,418,125
Oct-19	$ 215,777	$ 1,437,654
Nov-19	$ 251,588	$ 1,322,159
Dec-19	$ 226,179	$ 1,380,036
Jan-20	$ 170,193	$ 1,449,975
Feb-20	$ 254,423	$ 1,375,500
Mar-20	$ 189,546	$ 1,443,464
Delivery Revenue Targets	$ 2,530,339	$ 16,901,529

3) Rate Year 3 Delivery Revenue Targets: April 1, 2020 - March 31, 2021:

	SC6	SC9 & SC14
Apr-20	$ 283,637	$ 1,372,730
May-20	$ 216,748	$ 1,431,228
Jun-20	$ 173,010	$ 1,301,619
Jul-20	$ 96,942	$ 1,530,233
Aug-20	$ 226,207	$ 1,483,590
Sep-20	$ 237,583	$ 1,428,608
Oct-20	$ 218,077	$ 1,439,644
Nov-20	$ 254,941	$ 1,323,800
Dec-20	$ 229,607	$ 1,381,878
Jan-21	$ 173,418	$ 1,455,751
Feb-21	$ 259,071	$ 1,377,470
Mar-21	$ 192,781	$ 1,461,944
Delivery Revenue Targets	$ 2,562,020	$ 16,988,495

Niagara Mohawk Power Corporation d/b/a National Grid
Net Revenue Sharing Mechanism
Illustrative Example of Rate Year One Reconciliation
Applicable to Customers taking Sales and Delivery Service under SC 1, 2, 3, 5, 7, 8, 12, and 13

1) Rate Year 1 Delivery Revenue Targets: April 1, 2018 - March 31, 2019:

		SC6		SC9 & SC14		Total
Delivery Revenue Targets	$	2,503,905	$	16,952,365		

2) Rate Year 1 Reconciliation: April 1, 2018 - March 31, 2019:

a) Actual Delivery Revenues

		SC6		SC9 & SC14		
Apr-18	$	325,257	$	1,508,398		
May-18	$	203,413	$	1,512,459		
Jun-18	$	187,711	$	1,463,097		
Jul-18	$	345,232	$	955,402		
Aug-18	$	252,738	$	930,221		
Sep-18	$	250,568	$	996,615		
Oct-18	$	378,254	$	881,122		
Nov-18	$	330,379	$	861,158		
Dec-18	$	308,547	$	1,307,987		
Jan-19	$	289,431	$	1,315,079		
Feb-19	$	257,864	$	1,203,898		
Mar-19	$	110,861	$	1,486,798		
Actual Delivery Revenues	$	3,240,255	$	14,422,236		
Target less Actual Delivery Revenues	$	(736,350)	$	2,530,130	$	1,793,780
Sharing Percentage (Symmetrical)		90%		100%		
Resulting Amount (Over) / Under Recovered	$	(662,715)	$	2,530,130	$	1,867,415

April 1, 2018 - March 31, 2019 Amount to be Recovered/(Refunded) $ 1,867,415

Estimated SC1,2,3,5,7,8,12, and 13 Sales and Delivery Only Throughput (therms) 600,000,000
For the period August 1, 2019 through July 31, 2020

Estimated Surcharge / (Credit) ($ Per Therm) $0.00311
For the period August 1, 2019 through July 31, 2020

Niagara Mohawk Power Corporation d/b/a National Grid
Illustrative Example of EAM (Earnings Adjustment Mechanism)

Service Class	1 Earned EAM	2 Gas Deliveries (dt)	3 Allocation %	4 Allocated EAM $	5 Forecast sales - (dt)*	6 EAM $/therm rate
SC-1 Residential		53,030,994	46.07%	$ 690,992	53,263,834	$ 0.00130
SC-2 Small General		21,623,880	18.78%	$ 281,758	21,926,745	$ 0.00128
SC-3 Large General		997,009	0.87%	$ 12,991	1,000,260	$ 0.00130
SC-5 Firm Transport		8,015,083	6.96%	$ 104,436	8,103,443	$ 0.00129
SC-7 Small Firm Transport		6,425,110	5.58%	$ 83,719	6,545,078	$ 0.00128
SC-8 Standby Sales		23,598,624	20.50%	$ 307,489	23,897,150	$ 0.00129
SC-12 -S / SC-12-L DG NonRes		1,428,188	1.24%	$ 18,609	1,459,637	$ 0.00127
SC-13 DG Res		362	0.00%	$ 5	69,298	$ 0.00001
	$ 1,500,000			$ 1,500,000		

* Excludes EZR Load and EJP Load

1 Illustrative dollar amount for Earned EAM.
2 Supported by Exhibit____(G-RDP-3CU), Schedule 9A, Line 3 (Gas_Deliveries) Excluding NYSEG and SC-10 NGV
3 Percentage of gas deliveries
4 Calcuated by applying Allocation % to earned EAM by Service Class.
5 Rate year 2 forecasted sales supported by rate year 2 billing determinants.
6 Column 3 / Columm 4

Sch. 10

Niagara Mohawk Power Company (Gas) dba National Grid (Gas)
Marginal Class Study ($000s)- Rate Year Ending March 31, 2019
Excelsior Jobs Program (EJP) Marginal Rates

Line	Rate Class	Customer Type	Annual Marginal Demand Costs	Annual Marginal Customer Costs	Total Annual Marginal Costs	Monthly Customer Charge Proposed	Customers	Annual Customer Charge Revenue	Annual Marginal Costs Minus Customer Charge Revenue	Annual Deliveries Dth	Excelsior Rate Per Dth	Excelsior Rate Per therm
									Year 1			
1	SC-1 Residential	Residential	$97,644,889	$183,630,668	$281,275,557	$ 20.35	573,513	$140,051,773	$141,223,784	53,030,994	$2.66	$0.26630
2	SC-2 Small General	Commercial	$39,276,219	$39,179,165	$78,455,384	$ 24.27	47,167	$13,736,771	$64,718,612	21,623,880	$2.99	$0.29929
3	SC-3 Large General	Commercial	$1,199,488	$67,783	$1,267,272	$ 781.27	42	$390,635	$876,637	997,009	$0.88	$0.08793
4	SC-5 Firm Transport	Commercial	$8,947,705	$355,449	$9,303,153	$ 554.83	158	$1,051,958	$8,251,195	8,015,083	$1.03	$0.10295
5	SC-7 Small Firm Transport	Other	$10,983,169	$934,656	$11,917,826	$ 361.27	704	$3,050,564	$8,867,262	6,425,110	$1.38	$0.13801
6	SC-8 Standby Sales	Other	$21,292,293	$432,475	$21,724,768	$ 1,039.54	59	$735,994	$20,988,773	23,598,624	$0.89	$0.08894
7	SC-10 NGV	Other	$21,491	$2,575	$24,066		2	$0	$24,066	16,161	$1.49	$0.14892
8	SC-12-S/L DG NonRes	Other	$830,112	$57,254	$887,367	$ 1,401.27	18	$302,674	$584,692	1,428,188	$0.41	$0.04094
9	SC-13 DG Res	Other	$705	$882	$1,587	$ 27.56	3	$992	$595	362	$1.65	$0.16456
10	NYSEG	Other	$565,550	$2,284	$567,834	$ 895.02	1	$10,740	$557,094	287,923		
11	Total		$180,761,621	$224,663,191	$405,424,812		621,665	$159,332,102	$246,092,711	115,423,334		
12												
13									**Year 2**			
14	SC-1 Residential	Residential	$97,644,889	$183,630,668	$281,275,557	$ 20.35	578,263	$141,211,772	$140,063,784	53,030,994	$2.64	$0.26412
15	SC-2 Small General	Commercial	$39,276,219	$39,179,165	$78,455,384	$ 24.27	47,435	$13,815,075	$64,640,308	21,623,880	$2.99	$0.29893
16	SC-3 Large General	Commercial	$1,199,488	$67,783	$1,267,272	$ 781.27	40	$377,952	$889,320	997,009	$0.89	$0.08920
17	SC-5 Firm Transport	Commercial	$8,947,705	$355,449	$9,303,153	$ 587.29	158	$1,113,502	$8,189,651	8,015,083	$1.02	$0.10218
18	SC-7 Small Firm Transport	Other	$10,983,169	$934,656	$11,917,826	$ 361.27	707	$3,064,722	$8,853,104	6,425,110	$1.38	$0.13779
19	SC-8 Standby Sales	Other	$21,292,293	$432,475	$21,724,768	$ 1,155.03	60	$831,622	$20,893,146	23,598,624	$0.89	$0.08854
20	SC-10 NGV	Other	$21,491	$2,575	$24,066		2	$0	$24,066	16,161	$1.49	$0.14892
21	SC-12-S/L DG NonRes	Other	$830,112	$57,254	$887,367	$ 1,401.27	14	$235,413	$651,953	1,428,188	$0.46	$0.04565
22	SC-13 DG Res	Other	$705	$882	$1,587	$ 27.56	3	$992	$595	362	$1.65	$0.16456
23	NYSEG	Other	$565,550	$2,284	$567,834	$ 907.28	1	$10,887	$556,947	287,923		
24	Total		$180,761,621	$224,663,191	$405,424,812		626,683	$160,661,938	$244,762,874	115,423,334		
25												
26									**Year 3**			
27	SC-1 Residential	Residential	$97,644,889	$183,630,668	$281,275,557	$ 20.35	582,631	$142,278,511	$138,997,045	53,030,994	$2.62	$0.26211
28	SC-2 Small General	Commercial	$39,276,219	$39,179,165	$78,455,384	$ 24.27	47,540	$13,845,612	$64,609,772	21,623,880	$2.99	$0.29879
29	SC-3 Large General	Commercial	$1,199,488	$67,783	$1,267,272	$ 781.27	39	$364,947	$902,324	997,009	$0.91	$0.09050
30	SC-5 Firm Transport	Commercial	$8,947,705	$355,449	$9,303,153	$ 619.74	158	$1,175,027	$8,128,126	8,015,083	$1.01	$0.10141
31	SC-7 Small Firm Transport	Other	$10,983,169	$934,656	$11,917,826	$ 361.27	715	$3,100,642	$8,817,184	6,425,110	$1.37	$0.13723
32	SC-8 Standby Sales	Other	$21,292,293	$432,475	$21,724,768	$ 1,270.53	60	$914,782	$20,809,986	23,598,624	$0.88	$0.08818
33	SC-10 NGV	Other	$21,491	$2,575	$24,066		2	$0	$24,066	16,161	$1.49	$0.14892
34	SC-12-S/L DG NonRes	Other	$830,112	$57,254	$887,367	$ 1,401.27	14	$235,413	$651,953	1,428,188	$0.46	$0.04565
35	SC-13 DG Res	Other	$705	$882	$1,587	$ 27.56	3	$992	$595	362	$1.65	$0.16456
36	NYSEG	Other	$565,550	$2,284	$567,834	$ 930.32	1	$11,164	$556,670	287,923		
37	Total		$180,761,621	$224,663,191	$405,424,812		631,163	$161,927,090	$243,497,722	115,423,334		

Case 17-G-0239
Appendix 3
Schedule 11.1
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Development of Excelsior Jobs Program (EJP) Rates

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Phased in EJP rates (per therm)				
Service Classification	Current Marginal / EJP Rate (per therm)	Proposed Marginal Rate for RY3 (per therm)	RY1	RY2	RY3	RY4	RY5
SC2	$ 0.01400	$ 0.29879	$ 0.07096	$ 0.12792	$ 0.18487	$ 0.24183	$ 0.29879
SC3	$ 0.00240	$ 0.09050	$ 0.02002	$ 0.03764	$ 0.05526	$ 0.07288	$ 0.09050
SC5	$ 0.00540	$ 0.10141	$ 0.02460	$ 0.04380	$ 0.06301	$ 0.08221	$ 0.10141
SC7	$ 0.00550	$ 0.13723	$ 0.03185	$ 0.05819	$ 0.08454	$ 0.11088	$ 0.13723
SC8	$ 0.00550	$ 0.08818	$ 0.02204	$ 0.03857	$ 0.05511	$ 0.07164	$ 0.08818

(1) Current EJP rates
(2) As shown on Schedule 11.1
(3) (Column 2 - Column 1) / 5 + Column 1
(4) (Column 2 - Column 1) / 5 + Column 2
(5) (Column 2 - Column 1) / 5 + Column 3
(6) (Column 2 - Column 1) / 5 + Column 4
(7) (Column 2 - Column 1) / 5 + Column 5

Niagara Mohawk Power Corporation d/b/a National Grid
Illustrative example of ETIP Reconciliation

	ETIP Targets				Actual ETIP Revenue				
Service Classification	RY1	RY2	RY3	Total	RY1	RY2	RY3	Total	Variance
	(1)	(2)	(3)	(4) = (1+2+3)	(5)	(6)	(7)	(8)= (5+6+7)	(9) = (8-4)
SC3	$ 91,715	$ 92,014	$ 91,202	$ 274,931	$ 93,000	$ 95,000	$ 86,000	$ 274,000	$ (931)
SC5	$ 737,310	$ 745,438	$ 753,056	$ 2,235,804	$ 700,000	$ 750,000	$ 600,000	$ 2,050,000	$ (185,804)
SC8	$ 2,170,844	$ 2,198,305	$ 2,222,913	$ 6,592,062	$ 2,200,000	$ 2,500,000	$ 2,000,000	$ 6,700,000	$ 107,938

	ETIP Reconciliation		
Service Classification	Over/(Under) Recovery	Forecast Sales (12 months ended Apr '22)	ETIP Reconcilation Rate (per therm)
	(1)	(2)	(3) = (1 / 2)
SC3	$ (931)	9,920,000	$ (0.0001)
SC5	$ (185,804)	81,900,000	$ (0.0023)
SC8	$ 107,938	243,000,000	$ 0.0004

APPENDIX 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Earnings Review - Individual Years for Earnings Sharing
(Millions Dollars)

		Three Year Electric Settlement			Stay-Out Period
	Individual Years / Earnings Year:	Year 1 TME Mar 31, 2019	Year 2 TME Mar 31, 2020	Year 3 TME Mar 31, 2021	Year 4 Year End Mar 31, 2022 (Assumes new rates Eff Oct 1, 2022)
1	Rate Base	$ 5,260.7	$ 5,605.0	$ 5,951.8	$ 6,298.6
2					
3	Common Equity (Rate base * The imputed common equity ratio of 48%)	$ 2,525.1	$ 2,690.4	$ 2,856.9	$ 3,023.3
4					
5	ROE's filed in Earnings Reports to the PSC for each rate year	7.00%	9.80%	10.50%	5.41%
6	Subsequent minor revisions (see latest Earnings filing)	0.00%	0.00%	0.00%	0.00%
7	Actual ROE used in this filing	7.00%	9.80%	10.50%	5.41%
8					
9	Actual (calculated) Net Income for CE	$ 176.8	$ 263.7	$ 300.0	$ 163.6
10					
11	ROE Sharing threshold (per JP - Section 5.3)	9.50%	9.50%	9.50%	9.50%
12					
13					
14					
15	**Earnings Sharing Calculation:**				
16					
17					
18					Stay-Out - Period
19		Year 1	Year 2	Year 3	Year 4
20	Earnings Sharing Report is due by	8/31/19	8/31/20	8/31/21	8/31/22
21	Actual Net Income	$ 176.8	$ 263.7	$ 295.8	$ 144.7
22	Adjustment to exclude amounts previously in excess of Earnings threshold	$ -	$ -	$ 4.21	$ 18.87
23	Adjusted Net Income	$ 176.8	$ 263.7	$ 300.0	$ 163.6
24	Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period				$ 3,023.3
25	Operating Revenues Ratio (Apr-Sep)				50.48%
26	Common equity (after exclusion of Goodwill) at a 48% equity ratio	$ 2,525.1	$ 2,690.4	$ 2,856.9	$ 1,526.3
27	**Actual ROE (Net Income / Equity)**	**7.00%**	**9.80%**	**10.50%**	**10.72%**
28	ROE Threshold (weighted avg)	9.50%	9.50%	9.50%	9.50%
29	Difference	-2.50%	0.30%	1.00%	1.22%
30	Actual Common Equity	$ 2,525.1	$ 2,690.4	$ 2,856.9	$ 1,526.3
31	After-tax Earnings Between Threshold and 10.0%	$ -	$ 8.1	$ 14.3	$ 7.6
32	After-tax Earnings Between 10.0% and 10.5%	$ -	$ -	$ 14.3	$ 7.6
33	After-tax Earnings Over 10.5%	$ -	$ -	$ 0.0	$ 3.3
34	Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers	$ -	$ 4.1	$ 7.1	$ 3.8
35	Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers	$ -	$ -	$ 10.7	$ 5.7
36	Deferral of 90% of amount Over 10.5%	$ -	$ -	$ 0.0	$ 3.0
37	Total Deferral for benefit of Customers (after-tax $)	$ -	$ 4.06	$ 17.88	$ 12.55
38	Combined Federal & State Income Tax Rate	26.14%	26.14%	26.14%	26.14%
39	Deferral grossed up for income taxes (pre-tax $)	$ -	$ 5.5	$ 24.2	$ 17.0
40	Carrying costs	$ -	$ 0.15	$ 0.99	$ 2.19
41	Total Deferral Including Carrying Costs	$ -	$ 5.64	$ 25.19	$ 19.19
42	Cumulative Deferral	$ -	$ 5.64	$ 30.83	$ 50.02

Line Notes

3	Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1
5	Original ROE's in annual Electric earnings filings for respective periods
6	Impacts of ROE revisions shown in filing support (discovered after original filings)
7	Actual ROE used in the earnings sharing calculation
9	Line 7 x Line 3 (ROE x CE)
11	JP - Section 5.3
21	Appropriate years line 9
22	Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + line 40) Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed
23	Line 21 + Line 22
24	Common Equity Ratio for Stub Period
25	Operating Income Ratio for Stub Period (Apr-Sep)
26	Appropriate years line 3 (Line 24 * Line 25 for stub period)
27	Line 23 / Line 26
28	weighted average of line 11
29	line 27 - line 28
30	Appropriate years line 3 (Line 24 * Line 25 for stub period)
31	Line 27 Between Cap and 10.5% * Line 30
32	Line 27 Between 10.0% and 10.5% * Line 30
33	Line 27 Greater than 10.5% * Line 30
34	Line 31 * 50%
35	Line 32 * 75%
36	Line 33 * 90%
37	Line 34 + Line 35 + Line 36
38	Federal rate 21.0% and NYS 6.5%
39	Line 37 / (1- Line 38)
40	Carrying Costs at the Pre-Tax Weighted Cost of Capital on the Deferral Balance Net of Deferred Taxes

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Earnings Review - Individual Years for Earnings Sharing
(Millions Dollars)

		Three Year Gas Settlement			Stay-Out Period
	Individual Years / Earnings Year:	Year 1 TME Mar 31, 2019	Year 2 TME Mar 31, 2020	Year 3 TME Mar 31, 2021	Year 4 Year End Mar 31, 2022 (Assumes new rates Eff Oct 1, 2022)
1	Rate Base	$ 1,231.8	$ 1,323.2	$ 1,431.8	$ 1,540.5
2					
3	Common Equity (Rate base * The imputed common equity ratio of 48%)	$ 591.3	$ 635.1	$ 687.3	$ 739.4
4					
5	ROE's filed in Earnings Reports to the PSC for each rate year	7.00%	9.80%	10.50%	4.02%
6	Subsequent minor revisions (see latest Earnings filing)	0.00%	0.00%	0.00%	0.00%
7	Actual ROE used in this filing	7.00%	9.80%	10.50%	4.02%
8					
9	Actual (calculated) Net Income for CE	$ 41.4	$ 62.2	$ 72.2	$ 29.7
10					
11	ROE Sharing threshold (per JP - Section 5.3)	9.50%	9.50%	9.50%	9.50%
12					
13					
14					
15	**Earnings Sharing Calculation:**				
16					
17					
18					Stay-Out - Period
19		Year 1	Year 2	Year 3	Year 4
20	Earnings Sharing Report is due by	8/31/19	8/31/20	8/31/21	8/31/22
21	Actual Net Income	$ 41.4	$ 62.2	$ 71.2	$ 25.1
22	Adjustment to exclude amounts previously in excess of Earnings threshold	$ -	$ -	$ 0.96	$ 4.56
23	Adjusted Net Income	$ 41.4	$ 62.2	$ 72.2	$ 29.7
24	Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period				$ 739.4
25	Operating Revenues Ratio (Apr-Sep)				37.71%
26	Common equity (after exclusion of Goodwill) at a 48% equity ratio	$ 591.3	$ 635.1	$ 687.3	$ 278.9
27	**Actual ROE (Net Income / Equity)**	**7.00%**	**9.79%**	**10.51%**	**10.65%**
28	ROE Threshold (weighted avg)	9.50%	9.50%	9.50%	9.50%
29	Difference	-2.50%	0.29%	1.01%	1.15%
30	Actual Common Equity	$ 591.3	$ 635.1	$ 687.3	$ 278.9
31	After-tax Earnings Between Threshold and 10.0%	$ -	$ 1.9	$ 3.4	$ 1.4
32	After-tax Earnings Between 10.0% and 10.5%	$ -	$ -	$ 3.4	$ 1.4
33	After-tax Earnings Over 10.5%	$ -	$ -	$ 0.0	$ 0.4
34	Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers	$ -	$ 0.9	$ 1.7	$ 0.7
35	Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers	$ -	$ -	$ 2.6	$ 1.0
36	Deferral of 90% of amount Over 10.5%	$ -	$ -	$ 0.0	$ 0.4
37	Total Deferral for benefit of Customers (after-tax $)	$ -	$ 0.93	$ 4.33	$ 2.12
38	Combined Federal & State Income Tax Rate	26.14%	26.14%	26.14%	26.14%
39	Deferral grossed up for income taxes (pre-tax $)	$ -	$ 1.3	$ 5.9	$ 2.9
40	Carrying costs	$ -	$ 0.04	$ 0.24	$ 0.49
41	Total Deferral Including Carrying Costs	$ -	$ 1.29	$ 6.14	$ 3.39
42	Cumulative Deferral	$ -	$ 1.29	$ 7.43	$ 10.82

Line Notes

3	Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1
5	Original ROE's in annual Gas earnings filings for respective periods
6	Impacts of ROE revisions shown in filing support (discovered after original filings)
7	Actual ROE used in the earnings sharing calculation
9	Line 7 x Line 3 (ROE x CE)
11	JP - Section 5.3
21	Appropriate years line 9
22	Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40) Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed
23	Line 21 + Line 22
24	Common Equity Ratio for Stub Period
25	Operating Income Ratio for Stub Period (Apr-Sep)
26	Appropriate years line 3 (Line 24 * Line 25 for stub period)
27	Line 23 / Line 26
28	weighted average of line 11
29	line 27 - line 28
30	Appropriate years line 3 (Line 24 * Line 25 for stub period)
31	Line 27 Between Cap and 10.5% * Line 30
32	Line 27 Between 10.0% and 10.5% * Line 30
33	Line 27 Greater than 10.5% * Line 30
34	Line 31 * 50%
35	Line 32 * 75%
36	Line 33 * 90%
37	Line 34 + Line 35 + Line 36
38	Federal rate 21.0% and NYS 6.5%
39	Line 37 / (1- Line 38)
40	Carrying Costs at the Pre-Tax Weighted Cost of Capital on the Deferral Balance Net of Deferred Taxes

APPENDIX 5

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Forecast Balances of Electric Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending March 31, 2019
($000's)

Activity	Description	Avg Bal HYE 12/31/2016	Actual Balance at 12/31/2016	Forecast Balance at 3/31/2018	Mechanism Ongoing/ Discontinued/ Proposed	Carrying Charges
Regulatory Assets & Liabilities with Proposed Surcharge with No Interest EXCLUDED from Rate Base						
2540583	Pens Exp Defrd-El	$ 10,133	$ 16,362	$ 34,178	Ongoing	None
2540584	OPEB Exp Defrd-El	(76,148)	(69,792)	(54,976)	Ongoing	None
Total of Accounts w/ Recovery but NOT in Rate Base		$ (66,016)	$ (53,430)	$ (20,798)		
Regulatory Assets & Liabilities with Proposed Surcharge with Interest EXCLUDED in Rate Base						
1823006	Storm Fund - Deficit	$ 96,143	$ 95,189	$ 95,189	Ongoing	Yes - Pre-Tax WACC
1823012	Revenue Decoupling	8,479	-	-	Ongoing	Yes - Pre-Tax WACC
1823192	Def Sum 10-E-0050	3,149	3,149	3,149	Discontinued	Yes - Pre-Tax WACC
1823194	MFC-Merch Func Charg	574	302	302	Ongoing	Yes - Pre-Tax WACC
1823291	Leg Trans Charge	768	-	-	Ongoing	Yes - Pre-Tax WACC
1823292	Elec Supp Rec Mech	1,680	1,472	1,472	Ongoing	Yes - Pre-Tax WACC
1823574	Vegetation Mgmt Def	16,177	16,159	16,159	Discontinued	Yes - Pre-Tax WACC
1823599	DunkirkII Def-Excess	281	-	-	Discontinued	N/A
1823601	Dunkirk Settl Def	57,000	57,000	57,000	Discontinued	Yes - Pre-Tax WACC
1823610	Demand Response Prog	288	968	968	Ongoing	Yes - Pre-Tax WACC
2540075	Temp Assessmnt 18-A	(3,604)	(2,937)	(2,937)	Discontinued	Yes - Pre-Tax WACC
2540161	EE Surcharge-Elec	(4,731)	(4,821)	(4,821)	Ongoing	Yes - Pre-Tax WACC
2540170	OBR EE Fund Oblig	(8,071)	(8,261)	(8,261)	Ongoing	Yes - Pre-Tax WACC
2540195	RDM-Electric	(1,034)	570	570	Ongoing	Yes - Pre-Tax WACC
2540232	Cap Tracker-Gas	(6,077)	-	-	Ongoing	Yes - Pre-Tax WACC
2540240	Affordability Progrm	(1,982)	(2,287)	(3,245)	Discontinued[1]	Yes - Pre-Tax WACC
2540260	Gen Stranded Cst Adj	(2,526)	(2,759)	(2,759)	Ongoing	Yes - Pre-Tax WACC
2540292	Elec Sup Rec Mech	(2,084)	-	-	Ongoing	Yes - Pre-Tax WACC
2540314	Excess Storm Reserve	(126,639)	(141,139)	(141,139)	Ongoing	Yes - Pre-Tax WACC
2540319	Cap Tracker-Electric	(11,025)	(19,182)	(16,682)	Ongoing	Yes - Pre-Tax WACC
2540488	Debt True up-Elect	(38,061)	(45,909)	(58,617)	Ongoing	Yes - Pre-Tax WACC
2540490	Consumr Serv Advocat	(90)	(90)	(90)	Discontinued	Yes - Pre-Tax WACC
2540493	Def Chrg 10-E-0050	(11,783)	(20,966)	(32,849)	Ongoing	Yes - Pre-Tax WACC
2540500	Sale of Allow-Albany	(1,718)	(1,770)	(1,770)	Discontinued	Yes - Pre-Tax WACC
2540501	Cln Air Auctn Procds	(162)	(167)	(167)	Discontinued	Yes - Pre-Tax WACC
2540513	NIMO-El CUSTOMER Srv	(10,495)	(13,329)	(13,329)	Ongoing	Yes - Pre-Tax WACC
2540521	NIMO-SBC Prg Cost	(2,766)	-	-	Ongoing	N/A
2540531	NIMO-DIANA-DOLGEVILL	(3,500)	(3,500)	(3,500)	Discontinued	Yes - Pre-Tax WACC
2540541	NIMO-Trnsm Rev AdjCl	(85,201)	(82,201)	(77,319)	Ongoing	Yes - Pre-Tax WACC
2540547	NYS Sales Tax Refund	(864)	(864)	(864)	Discontinued	Yes - Pre-Tax WACC
2540548	Economic Development	(67,767)	(75,773)	(94,167)	Ongoing	Yes - Pre-Tax WACC
2540556	Bonus Depr Adj Elec	(464)	(3,070)	(9,699)	Discontinued	Yes - Pre-Tax WACC
2540559	Bonus Dep Adj Gas	(159)	-	-	Discontinued	Yes - Pre-Tax WACC
2540560	Int Reserve CarryChg	(50,829)	(50,829)	(50,829)	Ongoing	N/A
2540578	Curtailment	(293)	(293)	(293)	Discontinued	Yes - Pre-Tax WACC
2540579	Oswego PPA Reg Liab	(7,312)	(6,740)	(6,740)	Ongoing	Yes - Pre-Tax WACC
2540585	Low Inc Allow Disc	(5,431)	(6,655)	(9,365)	Ongoing	Yes - Pre-Tax WACC
2540586	SIR Expd Dfrd Elec	(39,174)	(45,882)	(64,412)	Ongoing	Yes - Pre-Tax WACC
2540591	Legacy Trans Charge	(1,043)	(2,406)	(2,406)	Ongoing	Yes - Pre-Tax WACC
2540599	DunkirkII Def-Excess	(1,277)	(1,329)	(1,329)	Discontinued	Yes - Pre-Tax WACC
2540602	NYPA Repl PowAndExp	(4,928)	(4,928)	(4,928)	Ongoing	Yes - Pre-Tax WACC
2540604	Hydro One Network	(2,049)	(2,020)	(2,020)	Discontinued	Yes - Pre-Tax WACC
2540610	Demand Response Prog	(7)	-	-	Ongoing	N/A
2540614	NUPD-Mec-E-15-M-0744	7,953	31,863	114,836	Ongoing	Yes - Pre-Tax WACC
2540705	Economic Develop Gra	(3,826)	(2,981)	(3,731)	Ongoing	Yes - Pre-Tax WACC
2540709	Property Tax Exp Def	(7,345)	(5,506)	5,751	Ongoing	Yes - Pre-Tax WACC
2540713	NYPA Discount Rec De	(792)	(1,401)	(1,401)	Ongoing	Yes - Pre-Tax WACC
2540714	Trans Tower Painting	(507)	(20)	(32)	Discontinued	Yes - Pre-Tax WACC
2540715	Sub-Trans Tower Pain	(1,215)	(1,257)	(1,188)	Discontinued	Yes - Pre-Tax WACC
2540716	Trans Footer Insp Ex	(570)	(390)	(400)	Discontinued	Yes - Pre-Tax WACC
2540717	Sub-Trans Footer Ins	(128)	(114)	(114)	Discontinued	Yes - Pre-Tax WACC
2540727	Bonus Dep Adjustment	(4)	-	-	Discontinued	N/A
2540732	Excess Voltage Test	(8,685)	(11,706)	(15,288)	Discontinued	Yes - Pre-Tax WACC
2540737	CEF Def-Elec	(112,250)	(197,107)	(197,107)	Ongoing	Yes - Pre-Tax WACC
1823312	REV Demo Recov-OAn	32	274	3,283	Ongoing	Yes - Pre-Tax WACC
No Number 1	LED Streetlighting	-	-	3,192	Proposed	N/A
No Number 2	Emerald Ash Borer Tree Removal	-	-	11,667	Proposed	N/A
Total of Accounts w/ Recovery but NOT in Rate Base		$ (445,945)	$ (563,641)	$ (520,256)		
Total Accounts included in Surcharge				$ (541,054)		

* - The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

[1]The program is closed to new customers and is gradually being phased out for existing customers. As set forth in Section 13.1 of the Joint Proposal, the Company will continue to defer costs associated with the Affordability program until existing customers complete, default, or voluntarily remove themselves from the program.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Forecast Balances of Electric Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending March 31, 2019
($000's)

Activity	Description	Avg Bal HYE 12/31/2016	Actual Balance at 12/31/2016	Forecast Balance at 3/31/2018	Mechanism Ongoing/ Discontinued/ Proposed	Carrying Charges
Other Regulatory Assets & Liabilities Included in Rate Base						
1823024	Enhanced Svrnce Plan	$ (0)	$ -	$ -		None
1823204	Exc AFDC-Elec Plant	119	110	88	Discontinued	None
1823214	Excs AFUDC-Elec Plnt	429	420	395	Discontinued	None
1823251	Mergr Emp Sepn costs	0	0	0	Discontinued	None
1823707	Rate Case Exp 17-E-0	21	-	2,241	Ongoing	None
2540095	RPS Progm Cost Def	(1,612)	-	-	Discontinued	None
2540504	Gain on Redemp-8.35	2	-	-	Discontinued	None
2540538	NIMO-Enhanced SBC Pr	(7,104)	-	-	Discontinued	None
2540572	Voltage Migration Fe	(10)	(9)	(11)	Ongoing	None
2540707	Rate Case Exp 12-E-0	(46)	-	-	Discontinued	None
1823XXX	Management Audit Amort	-	-	336	Ongoing	None
Subtotal Other Reg. Assets in Rate Base		$ (8,201)	$ 521	$ 3,050		
Other Regulatory Assets & Liabilities Excluded from Rate Base						
1823005	Envir SIR Res Offset	$ 313,180	$ 314,704	$ 314,704	Ongoing	N/A
1823043	Asset Ret Obligation	5,724	6,251	6,251	Ongoing	N/A
1823070	Gas Futures-Supply	(1,169)	(1,440)	(1,440)	Ongoing	N/A
1823071	Elec Swaps-Supply	73,991	47,225	47,225	Ongoing	N/A
1823089	Commodity Timing Impact	4,241	12,566	12,566	Ongoing	N/A
1823158	FAS158-Pension	217,556	202,476	202,476	Ongoing	N/A
1823159	FAS158-OPEB	307,797	279,849	279,849	Ongoing	N/A
1823250	Pen/FAS106 Purch	(0)	-	-	Discontinued	N/A
2540089	Commodity Timing Impact	(1,481)	-	-	Ongoing	N/A
2540569	Gas Futures-Gas Sply	30	38	38	Ongoing	N/A
2540571	Elec Swaps-Elec Sply	(10,656)	(3,318)	(3,318)	Ongoing	N/A
Total of Other Reg. Assets Excluded from Rate Base		$ 909,214	$ 858,351	$ 858,351		
Other Assets & Liabilities Included in Rate Base						
1730000	Unbilled Revenu Elec	$ 95,754	$ 97,592	$ 97,592	Ongoing	None
1810000	Unamortized Debt Exp	17,097	16,222	14,012	Ongoing	None
1890000	UnamorLoss Rac Debt	10,220	9,472	7,867	Ongoing	None
2420180	TCC Auction Rev	(57,479)	(77,987)	(40,378)	Ongoing	None
2530250	NIMO-Nuclear Fuel Di	(168,111)	(168,348)	(169,480)	Ongoing	None
1823270	NYPA Hydro Benefit	238	118	118	Ongoing	None
2540580	Hydropower Benefit	(13)	-	-	Discontinued	None
x	Transmission Development Costs	-	-	4,615	Proposed	None
Subtotal Other Reg. Liabilities in Rate Base		$ (102,293)	$ (122,930)	$ (85,653)		
Net Reg Assets & Liabilities Included in Rate Base		$ (110,495)	$ (122,409)	$ (82,603)		

* - The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

Niagara Mohawk Power Corporation (d/b/a National Grid)
PSC Case 17-E-0238 & 17-G-0239
Example of Carrying Charges on Deferrals
($000's)

ELECTRIC EXAMPLE

	(a)	(b)	(c)	(d)	(e)
Month	**Beginning Balance**	**Spending in Excess of Threshold**	**Interest Rate**	**Interest**	**Ending Balance**
			8.07%		
Apr-18	-	(500,000.00)	0.67%	(1,241.18)	(500,000.00)
May-18	(500,000.00)	(375,000.00)	0.67%	(3,413.23)	(875,000.00)
Jun-18	(875,000.00)	(600,000.00)	0.67%	(5,833.53)	(1,475,000.00)
Jul-18	(1,475,000.00)	(400,000.00)	0.67%	(8,315.88)	(1,875,000.00)
Aug-18	(1,875,000.00)	(350,000.00)	0.67%	(10,177.64)	(2,225,000.00)
Sep-18	(2,225,000.00)	(275,000.00)	0.67%	(11,729.11)	(2,500,000.00)
Oct-18	(2,500,000.00)	150,000.00	0.67%	(12,039.40)	(2,350,000.00)
Nov-18	(2,350,000.00)	450,000.00	0.67%	(10,549.99)	(1,900,000.00)
Dec-18	(1,900,000.00)	450,000.00	0.67%	(8,315.88)	(1,450,000.00)
Jan-19	(1,450,000.00)	350,000.00	0.67%	(6,330.00)	(1,100,000.00)
Feb-19	(1,100,000.00)	300,000.00	0.67%	(4,716.47)	(800,000.00)
Mar-19	(800,000.00)	175,000.00	0.67%	(3,537.35)	(625,000.00)
				(86,199.65)	

Column Notes:

Column (a)	Prior month Column (e)
Column (b)	Actual monthly deferred spending
Column (c)	Pre-Tax WACC divided by 12
Column (d)	Column (c) times (Column (a) + Column (b) / 2) * 73.8650%
Column (e)	Column (a) + Column (b) - NOTE interest will be booked it a separate deferral account with interest

Note: This example calculation is for a deferral that carrying charges can be calculated monthly. Some carrying charges will be applied on an annual basis and would use the annual carrying charge rate.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Pension and OPEB Expense
($000's)

Electric PENSION EXAMPLE

		Electric Pension Rate Year One	Electric Pension Rate Year Two	Electric Pension Rate Year Three
1	Actual Expense	$ 39,000	$ 8,000	$ 1,000
2	Rate Allowance	$ 33,185	$ 8,852	$ 744
3	Amount Deferred to (from) customers	$ (5,815)	$ 852	$ (256)

Notes (by line number)

1 Actual expense calculated in accordance with Appendix 9
2 Forecasted Rate Year expense. See Page 2 of 2, Line 5
3 Line 2 less Line 1

Electric OPEB EXAMPLE

		Electric OPEB Rate Year One	Electric OPEB Rate Year Two	Electric OPEB Rate Year Three
4	Actual Expense	$ 17,000	$ 15,000	$ 5,000
5	Rate Allowance	$ 17,591	$ 11,167	$ 2,178
6	Amount Deferred to (from) customers	$ 591	$ (3,833)	$ (2,822)

Notes (by line number)

4 Actual expense calculated in accordance with Appendix 9
5 Forecasted Rate Year expense. See Page 2 of 2, Line 11
6 Line 5 less Line 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Pension & OPEB Expense
Final Settlement
($000's)

		Rate Year Ending March 31, 2019			Data Year Ending March 31, 2020			Data Year Ending March 31, 2021		
		Total	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**
1	**Pension**									
2	Term Sheet (Sched 16)	38,688.44	32,498.3	6,190.2	9,690.8	8,140.2	1,550.5	-	-	-
3	Other Initiatives (Sched 27)	580.87	388.5	192.4	864.7	563.5	301.2	978.5	667.6	310.9
4	OPEX Assoc with CAPEX (Sched 27)	298.07	298.1	-	147.9	147.9	-	76.7	76.7	-
5	Total	39,567.4	33,184.8	6,382.5	10,703.3	8,851.6	1,851.7	1,055.2	744.3	310.9
6										
7	**OPEB**									
8	Term Sheet (Sched 11)	19,860.2	16,682.5	3,177.6	12,180.6	10,231.7	1,948.9	1,451.3	1,219.1	232.2
9	Other Initiatives (Sched 27)	744.2	497.7	246.5	1,107.7	721.9	385.8	1,253.6	855.3	398.3
10	OPEX Assoc with CAPEX (Sched 27)	410.3	410.3	-	213.7	213.7	-	103.4	103.4	-
11	Total	21,014.7	17,590.6	3,424.1	13,502.1	11,167.3	2,334.7	2,808.3	2,177.8	630.5

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 3
Page 2 of 2

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Energy Affordability Discount Program
($000's)

ELECTRIC EXAMPLE 1

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Discounts Provided	$ 57,300	$ 55,900	$ 56,800
2	Amount of Discounts in Rate Allowance	$ 56,594	$ 56,594	$ 56,594
3	Difference	$ (706)	$ 694	$ (206)
4	3 Year Cumulative Actual Discounts Provided	$ 170,000		
5	3 Year Cumulative Rate Allowance	$ 169,783		
6	Difference - underspend / (overspend)	$ (217)		
7	**Deferral for future recovery from Customers**	**$ (217)**		

ELECTRIC EXAMPLE 2

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Discounts Provided	$ 55,800	$ 56,500	$ 56,900
2	Amount of Discounts in Rate Allowance	$ 56,594	$ 56,594	$ 56,594
3	Difference	$ 794	$ 94	$ (306)
4	3 Year Cumulative Actual Discounts Provided	$ 169,200		
5	3 Year Cumulative Rate Allowance	$ 169,783		
6	Difference - underspend / (overspend)	$ 583		
7	**Deferral for future use in a Low Income Program**	**$ 583**		

Notes (by line number)

1 Input - Actual Discounts provided to customers
2 Rate Year expense per Case No. 14-M-0565
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual discounts for Rate Years 1-3 are less than cumulative rate allowances for same period, then amount is deferred for furture use in a Low Income Program. If actual discounts exceed the cumulative rate allowance for Rate Years 1-3, the amount will be deferred for future recovery from customers.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Economic Development Discount Programs
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Discounts Provided	$ 2,250	$ 2,000	$ 1,800
2	Amount of Discounts in Rate Allowance:			
3	SC12 Discounts	$ (177)	$ 70	$ 70
4	Empire Zone Rider (EZR) Discount	$ 2,000	$ 1,600	$ 1,100
5	Excelsior Job Programs (EJP) Discount	$ 370	$ 450	$ 551
6	Total forecasted SC12, EZR, and EJP Discounts	$ 2,193	$ 2,120	$ 1,721
7	Amount Deferred to customers / (due from customers)	$ (57)	$ 120	$ (80)

Notes (by line number)

1 Input - Actual Customer EZR, EJP, & SC12 Discounts provided
3 Forecasted SC12 Rate Year Discounts. See Page 2 of 2, Line 1
4 Forecasted EZR Rate Year Discounts. See Page 2 of 2, Line 2
5 Forecasted EJP Rate Year Discounts. See Page 2 of 2, Line 3
6 Line 3 + Line 4 + Line 5
7 Line 6 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Economic Development Discount Program
Whole Dollars

ELECTRIC

Lines		Fiscal Year 2019	Fiscal Year 2020	Fiscal Year 2021
	Annual Discounts			
1	SC12 Discounts	($176,667)	$69,722	$69,722
2	Empire Zone Rider (EZR) Discount	$2,000,000	$1,600,000	$1,100,000
3	Excelsior Job Program (EJP) Discount	$370,000	$450,000	$550,800
4	Total SC12, EZR, and EJP Discounts - Annual	$2,193,333	$2,119,722	$1,720,522
	Monthly Discount Target			
5	SC12 Discounts	($14,722)	$5,810	$5,810
6	Empire Zone Rider (EZR) Discount	$166,667	$133,333	$91,667
7	Excelsior Job Program (EJP) Discount	$30,833	$37,500	$45,900
8	Total SC12, EZR, and EJP Discounts - Monthly	$182,778	$176,644	$143,377

Line 1: Customers' Contract Costs - Customers' Delivery Charges at Standard Tariff Rates
Line 2: Historic actual EZR discounts adjusted for newly certified EZR estimated load
Line 3: Forecasted EJP discounts
Line 4: Line 1 + Line 2 + Line 3
Line 5: Line 1 / 12 Months
Line 6: Line 2 / 12 Months
Line 7: Line 3 / 12 Months
Line 8: Line 5 + Line 6 + Line 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Economic Development Grant Program
($000's)

ELECTRIC EXAMPLE 1

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 12,000	$ 10,000	$ 11,500
2	Rate Allowance	$ 11,000	$ 11,000	$ 11,000
3	Difference	$ (1,000)	$ 1,000	$ (500)
4	3 Year Cumulative Actuals	$ 33,500		
5	3 Year Cumulative Rate Allowance	$ 33,000		
6	Difference - underspend / (overspend)	$ (500)		
7	**Deferral**	**$ -**		

ELECTRIC EXAMPLE 2

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 10,500	$ 11,200	$ 11,200
2	Rate Allowance	$ 11,000	$ 11,000	$ 11,000
3	Difference	$ 500	$ (200)	$ (200)
4	3 Year Cumulative Actuals	$ 32,900		
5	3 Year Cumulative Rate Allowance	$ 33,000		
6	Difference - underspend / (overspend)	$ 100		
7	**Deferral - Due to Customers**	**$ 100**		

Notes (by line number)

1 Inputs - Actual Costs
2 Rate Allowance - See Schedule 39
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed cumulative rate allowance for Rate Years 1-3, there will be no Deferral.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Auction Debt True-up
($000's)

ELECTRIC EXAMPLE

			Electric Rate Year One
1	Actual Interest Expense	$	17,000
2	Annual Rate Allowance	$	17,257
3	Amount Deferred to (from) customers	$	257

Notes (by line number)

1 Input - Hypothetical Actual Interest Costs
2 Forecasted Rate Year interest expense. See Page 2 of 2
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Debt Rates
Weighted Average Cost of Auction Debt (Electric)
($000's)

LONG-TERM DEBT	Maturity Date	Principal Amount	Test Year Effective Rate	Change in Variable Rate	Rate Year 1 Effective Rate	Rate Year 1 Interest
1988 Series A Pollution Control Revenue Bonds	12/1/2023	69,800	1.69%	3.31%	4.99%	3,485
1985 Series B Pollution Control Revenue Bonds	12/1/2025	75,000	1.55%	3.29%	4.84%	3,630
1986 Series A Pollution Control Revenue Bonds	12/1/2026	50,000	1.62%	3.33%	4.95%	2,476
1987 Series A Pollution Control Revenue Bonds	3/1/2027	25,760	1.47%	3.33%	4.80%	1,236
1987 Series B Pollution Control Revenue Bonds	7/1/2027	93,200	1.62%	3.33%	4.95%	4,614
2004 Series A Pollution Control Revenue Bonds	7/1/2029	115,705	1.76%	3.31%	5.06%	5,857
		$429,465	1.65%		4.96%	21,298
Electric Rate Base						5,260,727
Total Rate Base						6,492,510
Electric Allocation						81.03%
Electric Interest						17,257

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Long-Term Debt True-up
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Long Term Debt Capitalization Ratios	NA	51.06%	51.06%
2	Electric Rate Base for Ratesetting	NA	5,605,040	5,951,806
3	Actual Electric Rate Base	NA	5,400,000	5,900,000
4	Rate Base for True-up	NA	5,400,000	5,900,000
5	Weighted Average Cost of Debt for Ratesetting	NA	4.19%	4.13%
6	Actual Weighted Average Cost of Debt	NA	4.15%	4.16%
7	Annual Rate Allowance	NA	$ 119,999	$ 125,481
8	Actual Cost of Debt	NA	$ 114,425	$ 125,322
9	Amount Deferred to (from) customers	NA	$ 5,574	$ 159

Notes (by line number)

1 As specified in Joint Proposal
2 As specified in Joint Proposal
3 Input - Hypothetical Actual Electric Rate Base
4 Lesser of Lines 3 and 4
5 As specified in Joint Proposal, Forecasted Rate Year Cost of Long Term Debt. See Page 2 of 2
6 Input - Hypothetical Actual Cost of Long Term Debt
7 Line 1 x Line 2 x Line 5
8 Line 1 x Line 4 x Line 6
9 Line 7 less Line 8

Niagara Mohawk Power Corporation d/b/a National Grid
Case 17-E-0238 & 17-G-0239
Debt Rates
Weighted Average Cost of Long-Term Debt
($000's)

LONG-TERM DEBT	Rate %	Maturity Date	Principal Amount	Rate Year 1 Effective Rate	Rate Year 1 Interest & Expenses	Rate Year 2 Effective Rate	Rate Year 2 Interest & Expenses	Rate Year 3 Effective Rate	Rate Year 3 Interest & Expenses
1988 Series A Pollution Control Revenue Bonds	1.240%	12/1/2023	69,800	4.99%	3,485	5.87%	4,100	6.42%	4,484
1985 Series B Pollution Control Revenue Bonds	1.259%	12/1/2025	75,000	4.84%	3,630	5.72%	4,291	6.27%	4,704
1986 Series A Pollution Control Revenue Bonds	1.216%	12/1/2026	50,000	4.95%	2,476	5.83%	2,916	6.38%	3,191
1987 Series A Pollution Control Revenue Bonds	1.219%	3/1/2027	25,760	4.80%	1,236	5.68%	1,463	6.23%	1,604
1987 Series B Pollution Control Revenue Bonds	1.217%	7/1/2027	93,200	4.95%	4,614	5.83%	5,435	6.38%	5,948
2004 Series A Pollution Control Revenue Bonds	1.241%	7/1/2029	115,705	5.06%	5,857	5.94%	6,876	6.49%	7,513
4.881% Senior Notes	4.881%	8/15/2019	750,000	4.93%	36,996	4.93%	13,747	0.00%	-
4.119% Senior Notes	4.119%	11/28/2042	400,000	4.14%	16,573	4.14%	16,573	4.14%	16,573
2.721% Senior Notes	2.721%	11/28/2022	300,000	2.76%	8,277	2.76%	8,277	2.76%	8,277
3.508% Senior Notes	3.508%	10/1/2024	500,000	3.55%	17,755	3.55%	17,755	3.55%	17,755
4.278% Senior Notes	4.278%	10/1/2034	400,000	4.32%	17,269	4.32%	17,269	4.32%	17,269
4.05% $400 million 30-Year Senior Notes Issued July 2018	4.050%	7/15/2048	400,000	4.08%	11,629	4.08%	16,325	4.08%	16,325
4.00% $450 million 30-Year Senior Notes Issued July 2019	4.000%	7/15/2049	450,000			4.03%	12,936	4.03%	18,140
3.30% $450 million 10-Year Senior Notes Issued July 2019	3.300%	7/15/2029	450,000			3.39%	10,890	3.39%	15,271
4.00% $200 million 30-Year Senior Notes Issued July 2020	4.000%	7/15/2050	200,000					4.03%	5,743
3.30% $200 million 10-Year Senior Notes Issued July 2020	3.300%	7/15/2030	200,000					3.39%	4,835
Amortization of Reacquired Debt Call Premiums & DD&E					1,608		1,608		1,608
			$4,479,465	4.29%	131,404	4.19%	140,462	4.13%	149,240

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Net Utility Plant and Depreciation Expense Reconciliation
($000's)

Rate Year Ending March 31, 2019

	Total Electric Revenue Requirement Target	Total Electric Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility Plant in Service (d)	Electric Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		$ 9,862,752	$ 72,920	$ (2,965,985)	$ 6,969,687	$ 231,655
Pre-Tax WACC					8.07%	
Total Revenue Requirement Target	$ 793,801				$ 562,146	$ 231,655
Estimate Actual Results		$ 9,860,905	$ 74,240	$ (2,966,070)	$ 6,969,076	$ 232,676
Pre-Tax WACC					8.07%	
Total Revenue Requirement Actuals	$ 794,773				$ 562,097	$ 232,676
Actuals higher/(lower) than Target	$ 971					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2020

	Total Electric Revenue Requirement Target	Total Electric Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility Plant in Service (d)	Electric Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		$ 10,357,660	$ 73,015	$ (3,083,513)	$ 7,347,162	$ 242,952
Pre-Tax WACC					8.02%	
Total Revenue Requirement Target	$ 831,870				$ 588,918	$ 242,952
Estimate Actual Results		$ 10,309,954	$ 70,704	$ (3,054,818)	$ 7,325,839	$ 242,932
Pre-Tax WACC					8.02%	
Total Revenue Requirement Actuals	$ 830,141				$ 587,209	$ 242,932
Actuals higher/(lower) than Target	$ (1,729)					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2021

	Total Electric Revenue Requirement Target	Total Electric Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility Plant in Service (d)	Electric Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		$ 10,855,753	$ 76,521	$ (3,203,269)	$ 7,729,005	$ 254,022
Pre-Tax WACC					7.99%	
Total Revenue Requirement Target	$ 871,228				$ 617,206	$ 254,022
Estimate Actual Results		$ 10,860,495	$ 76,499	$ (3,200,298)	$ 7,736,696	$ 254,022
Pre-Tax WACC					7.99%	
Total Revenue Requirement Actuals	$ 871,842				$ 617,820	$ 254,022
Actuals higher/(lower) than Target	$ 614					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

3 Year Cumulative Revenue Requirement Actuals	$ 2,496,756
3 Year Cumulative Revenue Requirement Target	$ 2,496,900
3 Year Cumulative Actuals higher/lower than Target	$ (144)

Note: Downward only reconciliation - no amounts due from customers if actuals are higher than target

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Non Wire Alternative
Example of Revenue Requirement Impact (Carrying Charge) of NWA Displaced Capital Project
($000s)

Assumptions in Rate Allowance:	Closing Rules (months)	Composite Depreciation Rate
Tran Substations	12	2.55%
Dist Substations	12	2.04%
Tran lines	8	1.94%
Dist lines	5	2.03%
Dist line transformers	1	2.90%
Dist meters	1	5.87%

Example of Displaced Distribution Line Capital Project included in Rate Allowance:

	Capex Forecast
FY 2019	$ 500
FY 2020	$ 700
FY 2021	$ -
	$1,200

Summary of Revenue Requirement Impact (Carrying Charge) of NWA Displaced Capital Project

FY 2019	$ 8
FY 2020	$ 55
FY 2021	$ 111
Total Revenue Requirement Impact (Carrying Charge)	$174

Rate Allowance

FY 2019	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital Expend. Cash flows To Construction Work in Progress (Note 2) (a)	Capital Expend. Closes To Plant In-Service (Note 3) (a)	Plant Balance (b)	Depreciation Expense 2.03% (Note 4) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.07% (Note 5) (f)	Total Revenue Require-ment (g) (c)+(f))
Mar-2018				$ -		$ -	$ -		
Apr-2018	6.35%	$ 32	$ -	$ -	$ -	$ -	$ -	$ -	
May-2018	6.72%	$ 34	$ -	$ -	$ -	$ -	$ -	$ -	
Jun-2018	8.82%	$ 44	$ -	$ -	$ -	$ -	$ -	$ -	
Jul-2018	8.46%	$ 42	$ -	$ -	$ -	$ -	$ -	$ -	
Aug-2018	8.60%	$ 43	$ -	$ -	$ -	$ -	$ -	$ -	
Sep-2018	7.21%	$ 36	$ 32	$ 32	$ -	$ -	$ 32	$ 0	
Oct-2018	9.97%	$ 50	$ 34	$ 65	$ 0	$ (0)	$ 65	$ 0	
Nov-2018	7.51%	$ 38	$ 44	$ 109	$ 0	$ (0)	$ 109	$ 1	
Dec-2018	8.12%	$ 41	$ 42	$ 152	$ 0	$ (0)	$ 151	$ 1	
Jan-2019	6.93%	$ 35	$ 43	$ 195	$ 0	$ (1)	$ 194	$ 1	
Feb-2019	8.08%	$ 40	$ 36	$ 231	$ 0	$ (1)	$ 230	$ 2	
Mar-2019	13.22%	$ 66	$ 50	$ 281	$ 0	$ (1)	$ 279	$ 1	
	100.00%	$500	$281	$77	$1	$ (0)	$77	$6	$8

Rate Allowance

FY 2020	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital Expend. Cash flows To Construction Work in Progress (Note 2) (a)	Capital Expend. Closes To Plant In-Service (Note 3) (a)	Plant Balance (b)	Depreciation Expense 2.03% (Note 4) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.02% (Note 5) (f)	Total Revenue Require-ment (g) (c)+(f))
Mar-2019				$ 281		$ (1)	$ 279	$ 1	
Apr-2019	6.35%	$ 44	$ 38	$ 318	$ 0	$ (2)	$ 316	$ 2	
May-2019	6.72%	$ 47	$ 41	$ 359	$ 1	$ (2)	$ 357	$ 2	
Jun-2019	8.82%	$ 62	$ 35	$ 394	$ 1	$ (3)	$ 391	$ 3	
Jul-2019	8.46%	$ 59	$ 40	$ 434	$ 1	$ (4)	$ 430	$ 3	
Aug-2019	8.60%	$ 60	$ 66	$ 500	$ 1	$ (4)	$ 496	$ 3	
Sep-2019	7.21%	$ 50	$ 44	$ 544	$ 1	$ (5)	$ 539	$ 4	
Oct-2019	9.97%	$ 70	$ 47	$ 592	$ 1	$ (6)	$ 585	$ 4	
Nov-2019	7.51%	$ 53	$ 62	$ 653	$ 1	$ (7)	$ 646	$ 4	
Dec-2019	8.12%	$ 57	$ 59	$ 712	$ 1	$ (8)	$ 704	$ 5	
Jan-2020	6.93%	$ 48	$ 60	$ 773	$ 1	$ (9)	$ 763	$ 5	
Feb-2020	8.08%	$ 57	$ 50	$ 823	$ 1	$ (11)	$ 812	$ 5	
Mar-2020	13.22%	$ 93	$ 70	$ 893	$ 1	$ (12)	$ 881	$ 3	
	100.00%	$700	$612	$557	$11	$ (6)	$552	$44	$55

Rate Allowance

FY 2021	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital Expend. Cash flows To Construction Work in Progress (Note 2) (a)	Capital Expend. Closes To Plant In-Service (Note 3) (a)	Plant Balance (b)	Depreciation Expense 2.03% (Note 4) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 7.99% (Note 5) (f)	Total Revenue Require-ment (g) (c)+(f))
Mar-2020				$ 893		$ (12)	$ 881	$ 3	
Apr-2020	6.35%	$ -	$ 53	$ 946	$ 2	$ (14)	$ 932	$ 6	
May-2020	6.72%	$ -	$ 57	$ 1,002	$ 2	$ (15)	$ 987	$ 7	
Jun-2020	8.82%	$ -	$ 48	$ 1,051	$ 2	$ (17)	$ 1,034	$ 7	
Jul-2020	8.46%	$ -	$ 57	$ 1,107	$ 2	$ (19)	$ 1,089	$ 7	
Aug-2020	8.60%	$ -	$ 93	$ 1,200	$ 2	$ (21)	$ 1,179	$ 8	
Sep-2020	7.21%	$ -	$ -	$ 1,200	$ 2	$ (23)	$ 1,177	$ 8	
Oct-2020	9.97%	$ -	$ -	$ 1,200	$ 2	$ (25)	$ 1,175	$ 8	
Nov-2020	7.51%	$ -	$ -	$ 1,200	$ 2	$ (27)	$ 1,173	$ 8	
Dec-2020	8.12%	$ -	$ -	$ 1,200	$ 2	$ (29)	$ 1,171	$ 8	
Jan-2021	6.93%	$ -	$ -	$ 1,200	$ 2	$ (31)	$ 1,169	$ 8	
Feb-2021	8.08%	$ -	$ -	$ 1,200	$ 2	$ (33)	$ 1,167	$ 8	
Mar-2021	13.22%	$ -	$ -	$ 1,200	$ 2	$ (35)	$ 1,165	$ 4	
	100.00%	$0	$307	$1,129	$23	$ (23)	$1,107	$88	$111

Notes and Assumptions:
1) Monthly cash flow percentages in Rate Allowance based on two year average of 2015 and 2016 percentages
2) Allocate fiscal year total capex forecast based on monthly cash flow percentages
3) Close monthly capital expenditures to plant based on project's associated closing rule utilized in rate allowance
If displaced project was a transmission major project with a specific in service date utilized in rate allowance, use the specific in service dates on page 3
4) Depreciation is based on the approved composite depreciation rate for the associated project type
5) Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
6) The FY 2019 balances will be rolled forward to FY 2020 and FY 2021, calculating a return on the net plant investment and associated depreciation expense.
7) The FY 2020 balances will be rolled forward to FY 2021, calculating a return on the net plant investment and associated depreciation expense.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Non Wire Alternative
Estimated In Service Dates included in Rate Allowance for Major Projects

Gard-Dun 141-142 T1260-T1270 ACR	Jan-2022
Lockport-Batavia 112 T1510 ACR	Mar-2023
Gardenville-Rebuild Line Relocation	Mar-19 and Oct-19
Pannell-Geneva 4-4A T1860 ACR	Mar-2022
Mohican Battenkill#15 Rebuild Reconductor	May-2017
Ticonderoga 2-3 T5810-T5830 ACR	Aug-2021
Clay-Teall#10,Clay-Dewitt#3 Reconductor	Oct-2019
Rotterdam - Curry #11 Reconductor	Dec-2019
Huntley-Lockport 36 37 ACR	Mar-2020
Dunkirk Rebuild	Dec-2021
Gardenville Rebuild	Nov-2018
Rotterdam 115kV Sub Rebuild	Apr-2023
Porter 230kV-Upgrade Brks/Disc/PT's	Dec-2021
Rebuild Huntley Station Asset Separation	Mar-18 & Jun-20
Schaghticoke Switching Station	Mar-2020
Lasher Road Substation	Jul-2019
Edic-MVEdge Customer Connection with Reimb	Jan-2018
Ohio St Substation	Jun-2019

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Major Storm Expense
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 25,716	$ 25,000	$ 21,000
2	Rate Allowance	$ 23,000	$ 23,000	$ 23,000
3	Amount Deferred to (from) customers	$ (2,716)	$ (2,000)	$ 2,000

Notes (by line number)

1 Hypothetical storm costs (see Appendix 14, Attachment A)
2 Forecasted Rate Year expense. See Joint Proposal, Appendix 1, Schedule 1, Section 10.1.15 and Appendix 14
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Site Investigation and Remediation (SIR) Expense
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 28,000	$ 26,000	$ 30,000
2	Rate Allowance	$ 27,321	$ 27,321	$ 27,321
3	Amount Deferred to (from) customers	$ (679)	$ 1,321	$ (2,679)

Notes (by line number)

1 Hypothetical Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.6
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
General Principles of the SIR Deferrral Mechanism

Established pursuant to the Financial Recovery Agreement (the "FRA"; Clause 16), approved by the Public Service Commission in Opinion No. 89-37(D); first applied in 1990 and continued to date applies to Site Investigation and Remediation (SIR) program sites, including:

- Former manufactured gas plant (MGP) sites
- Other Operating sites (previously designated by NM as "Industrial Waste Sites" and "Corrective Action Sites"; they include service centers, electric substations, and company properties)
- Potentially Responsible Party (PRP) sites (not owned by NM but pose alleged liabilities pursuant to Federal/State Superfund and other NYS Environmental Conservation Law-related regulations)

Allowable costs include:

- Consultant and contractor costs for site investigation and remediation efforts
- SIR activities that develop or implement remediation approaches to reduce the volume, mobility, or toxicity pre-existing contamination (caused or alleged to be caused by past practices or operations)
- Incremental external costs, including insurance premiums and legal costs, incurred to seek recovery from third parties or to otherwise seek to mitigate the cost or liability of the Company associated with the SIR program

Allowable costs shall be offset by:

- Net gains recognized from the sale or transfer to Non-utility Property of NM land and buildings included in rate base[1] or from the sale of stone, gravel, sand, or timber from such land, or
- Any net gains recognized from the leasing of such land or from the sale or lease of mining or drilling rights to such land, and
- Net insurance proceeds and net recoveries from third parties.

Department of Public Service Staff reserves the right to review for ultimate Commission determination the reasonableness of the actual deferred costs, which shall depend, inter alia, on the adequacy of the Company's efforts to seek contribution for those costs from other responsible parties.

[1] For land and buildings which have been removed from rate base prior to date that this policy became effective, Niagara Mohawk shall propose the appropriate sharing of net gains in a filing that is subject to the approval of the Commission.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Property Tax Expense
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 180,000	$ 190,000	$ 200,000
2	Rate Allowance	$ 183,024	$ 189,211	$ 195,164
3	Under (over) spending	$ 3,024	$ (789)	$ (4,836)
4	Customer share of under (over) spending	80%	80%	80%
5	Amount Deferred to (from) Customers	$ 2,419	$ (631)	$ (3,869)

Notes (by line number)

1 Input - Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.7
3 Line 2 less Line 1 (Difference between actual expense and rate allowance)
4 Deferral for under (over) spending will be based on 80% customer and 20% company basis
5 Line 3 times Line 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Variable Pay Expense
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 18,000	$ 16,000	$ 19,000
2	Rate Allowance	$ 17,848	$ 18,390	$ 18,910
3	Amount Deferred to Customers	$ -	$ 2,390	$ -

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

Notes (by line number)

1 Input Actual costs - Under the Company's variable pay program (APP) the evaluation period is on a fiscal year basis ending March Variable pay expense is accrued monthly, with the final accrual in March reconciling the annual variable pay total to the expecte pay out in June.
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.12
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Transmission Revenue Adjustment Clause
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 186,000	$ 182,000	$ 189,000
2	Rate Allowance	$ 185,696	$ 185,696	$ 185,696
3	Amount Deferred to (from) customers	$ (304)	$ 3,696	$ (3,304)

Notes (by line number)

1 Input - Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.19
Year 1 - See Page 2 of 4, Line 12
Year 2 - See Page 3 of 4, Line 12
Year 3 - See Page 4 of 4, Line 12
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Wholesale Revenue Rate Year
(Whole $)
For Rate Ending March 31, 2019

Lines	Rate Schedule	Transmission Service	Rate Year Total	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19
1	R.S. 134	NYPA - St. Lawrence Municipals	21,000	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
2	R.S. 58	Rochester Gas & Electric Corp ST-123	319,896	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658
3	R.S. 55	Central Hudson	195,300	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275
4	R.S. 141	Central Hudson	2,175,360	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	281,600	281,600	281,600	281,600	281,600	281,600	218,240	218,240
6	R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560
7	R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520
8	R.S. 175	Indeck Corinth	-	-	-	-	-	-	-	-	-	-	-	-	-
9	R.S. 171	Selkirk	-	-	-	-	-	-	-	-	-	-	-	-	-
10	R.S. 178	Sithe Independence	-	-	-	-	-	-	-	-	-	-	-	-	-
8	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667
9	ISO OATT-TSC	Regional transmission service	24,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
10	N/A	TCC auction revenue	173,400,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000
11	N/A	Congestion balancing settlement	(31,200,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	600,000)
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	185,695,556	15,442,950	15,442,950	15,442,950	15,442,950	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,442,950	15,442,950

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 14
Page 2 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Wholesale Revenue Rate Year
(Whole $)
For Data Year Ending March 31, 2020

Lines	Rate Schedule	Transmission Service	Data Year Total	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1	R.S. 134	NYPA - St. Lawrence Municipals	21,000	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
2	R.S. 58	Rochester Gas & Electric Corp ST-123	319,896	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658
3	R.S. 55	Central Hudson	195,300	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275
4	R.S. 141	Central Hudson	2,175,360	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	281,600	281,600	281,600	281,600	281,600	281,600	218,240	218,240
6	R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560
7	R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520
8	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667
9	ISO OATT - TSC	Regional transmission service	24,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
10	N/A	TCC auction revenue	173,400,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000
11	N/A	Congestion balancing settlement	(31,200,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)
			-												
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	185,695,556	15,442,950	15,442,950	15,442,950	15,442,950	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,442,950	15,442,950
			-												

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 14
Page 3 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Wholesale Revenue Rate Year
(Whole $)
For Data Year Ending March 31, 2021

Lines	Rate Schedule	Transmission Service	Total	Data Year Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1	R.S. 134	NYPA - St. Lawrence Municipals	21,000	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
2	R.S. 58	Rochester Gas & Electric Corp ST-123	319,896	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658
3	R.S. 55	Central Hudson	195,300	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275
4	R.S. 141	Central Hudson	2,175,360	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	281,600	281,600	281,600	281,600	281,600	281,600	218,240	218,240
6	R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560
7	R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520
8	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667
9	ISO OATT - TSC	Regional transmission service	24,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
10	N/A	TCC auction revenue	173,400,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000
11	N/A	Congestion balancing settlement	(31,200,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	2,600,000)
			-												
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	185,695,556	15,442,950	15,442,950	15,442,950	15,442,950	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,442,950	15,442,950

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 14
Page 4 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Light Emitting Diode (LED) Deferral
Example of LED Revenue Requirement Compared to Rate Allowance
($000s)

	Rate Allowance							Example of Annual Spend Under Rate Allowance							
FY 2019	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 5.20% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.07% (Note 3) (f)	Total Revenue Require-ment (g) (c)+(f))	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 5.20% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l) (i) + (k)	Pre - Tax WACC 8.07% (Note 3) (m)	Total Revenue Require-ment (n) (j)+(m)	Amount Subject to Deferral Asset / (Liability) (o) (n) - (g)
Mar-2018		0		0	0				0		0	0			
Apr-2018	492	492	0	0	492	3		318	318	0	0	318	2		
May-2018	520	1,013	2	(2)	1,011	7		336	654	1	(1)	652	4		
Jun-2018	683	1,696	4	(7)	1,690	11		441	1,095	3	(4)	1,091	7		
Jul-2018	655	2,351	7	(14)	2,337	16		423	1,518	5	(9)	1,509	10		
Aug-2018	666	3,017	10	(24)	2,993	20		430	1,948	7	(16)	1,932	13		
Sep-2018	559	3,576	13	(37)	3,539	24		361	2,308	8	(24)	2,285	15		
Oct-2018	773	4,348	15	(53)	4,296	29		499	2,807	10	(34)	2,773	19		
Nov-2018	582	4,930	19	(71)	4,859	33		376	3,183	12	(46)	3,137	21		
Dec-2018	629	5,559	21	(93)	5,466	37		406	3,589	14	(60)	3,529	24		
Jan-2019	536	6,096	24	(117)	5,979	40		346	3,935	16	(75)	3,860	26		
Feb-2019	626	6,721	26	(143)	6,578	44		404	4,339	17	(93)	4,247	29		
Mar-2019	1,024	7,745	29	(172)	7,573	25		661	5,000	19	(111)	4,889	16		
	7,745	3,639	172	(54)	3,585	289	462	5,000	2,350	111	(35)	2,315	187	298	(164)

	Rate Allowance							Ex. of Annual Spend Over Rate Allowance, Cumulative Spend Under Rate Allowance							
FY 2020	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 5.20% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.02% (Note 3) (f)	Total Revenue Require-ment (g) (c)+(f))	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 5.20% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l) (i) + (k)	Pre - Tax WACC 8.02% (Note 3) (m)	Total Revenue Require-ment (n) (j)+(m)	Amount Subject to Deferral Asset / (Liability) (o) (n) - (g)
Mar-2019		7,745		(172)	7,573	25			5,000		(111)	4,889	16		
Apr-2019	492	8,237	34	(206)	8,031	54		635	5,635	22	(133)	5,502	37		
May-2019	520	8,758	36	(242)	8,516	57		672	6,307	24	(24)	6,283	42		
Jun-2019	683	9,441	38	(280)	9,161	61		882	7,190	27	(52)	7,138	48		
Jul-2019	655	10,096	41	(321)	9,775	65		846	8,035	31	(83)	7,953	53		
Aug-2019	666	10,762	44	(364)	10,398	69		860	8,896	35	(118)	8,778	59		
Sep-2019	559	11,321	47	(411)	10,910	73		721	9,617	39	(156)	9,461	63		
Oct-2019	773	12,093	49	(460)	11,633	78		997	10,614	42	(198)	10,417	70		
Nov-2019	582	12,675	52	(512)	12,163	81		751	11,366	46	(244)	11,122	74		
Dec-2019	629	13,304	55	(567)	12,737	85		812	12,178	49	(293)	11,885	79		
Jan-2020	536	13,841	58	(625)	13,216	88		693	12,871	53	(346)	12,525	84		
Feb-2020	626	14,466	60	(685)	13,781	92		808	13,678	56	(402)	13,277	89		
Mar-2020	1,024	15,490	63	(748)	14,742	49		1,322	15,000	59	(461)	14,539	49		
	7,745	11,384	575	(428)	10,957	878	1,454	10,000	9,699	483	(195)	9,504	762	1,245	(209)

	Rate Allowance							Example of Both Annual and Cumulative Spend Over Rate Allowance							
FY 2021	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 5.20% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 7.99% (Note 3) (f)	Total Revenue Require-ment (g) (c)+(f))	Capital Expend. Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 5.20% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l) (i) + (k)	Pre - Tax WACC 7.99% (Note 3) (m)	Total Revenue Require-ment (n) (j)+(m)	Amount Subject to Deferral Asset / (Liability) (o) (n) - (g)
Mar-2020		15,490		(748)	14,742	49			15,000		(461)	14,539	49		
Apr-2020	492	15,982	67	(815)	15,167	101		953	15,953	65	(526)	15,427	103		
May-2020	520	16,503	69	(884)	15,619	104		1,008	16,961	69	(69)	16,892	112		
Jun-2020	683	17,186	72	(956)	16,231	108		1,324	18,285	73	(143)	18,142	121		
Jul-2020	655	17,841	74	(1,030)	16,811	112		1,268	19,553	79	(222)	19,331	129		
Aug-2020	666	18,507	77	(1,107)	17,400	116		1,290	20,843	85	(307)	20,537	137		
Sep-2020	559	19,066	80	(1,188)	17,878	119		1,082	21,925	90	(397)	21,529	143		
Oct-2020	773	19,838	83	(1,270)	18,568	124		1,496	23,422	95	(492)	22,930	153		
Nov-2020	582	20,420	86	(1,356)	19,064	127		1,127	24,549	101	(593)	23,955	159		
Dec-2020	629	21,049	88	(1,445)	19,605	130		1,218	25,767	106	(700)	25,067	167		
Jan-2021	536	21,586	91	(1,536)	20,050	133		1,039	26,806	112	(811)	25,994	173		
Feb-2021	626	22,211	94	(1,629)	20,582	137		1,212	28,018	116	(928)	27,090	180		
Mar-2021	1,024	23,235	96	(1,726)	21,509	72		1,982	30,000	121	(1,049)	28,951	96		
	7,745	19,129	978	(1,204)	17,925	1,432	2,410	15,000	22,049	1,114	(495)	21,553	1,721	2,835	426

Notes and Assumptions:
1) LED capital expenditures in base rates total $7.745 million annually in FY 2019 - FY 2021.
Revenue requirement assumes capital expenditures are placed in-service in the month spent.
2) Depreciation is based on the approved composite depreciation rate for LED luminaires.
3) Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
4) The FY 2019 balances will be rolled forward to FY 2020 and FY 2021, calculating a return on the net plant investment and associated depreciation expense.
5) The FY 2020 balances will be rolled forward to FY 2021, calculating a return on the net plant investment and associated depreciation expense.
6) Tracker is capped at an annual 20 percent LED conversion rate.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 1

Net Plant/Depreciation Tracker	Under	1) No Net Utility Plant Regulatory Liability Required - 100% Related to LED
LED Net Plant/Depreciation Tracker	Under	2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results match forecast allowed in rates exactly, except for LED actual cost is lower than forecast. Regulatory liability is generated from the LED tracker only:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$6,969,686,893	$7,347,161,806	$7,729,004,989	$6,968,686,893	$7,345,161,806	$7,726,004,989	($1,000,000)	($2,000,000)	($3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$562,145,939	$588,917,914	$617,206,173	$562,065,284	$588,757,602	$616,966,605	($80,656)	($160,312)	($239,568)
Depreciation	$231,655,210	$242,952,026	$254,022,252	$231,631,810	$242,905,226	$253,952,052	($23,400)	($46,800)	($70,200)
Total Net Plant/Depreciation Revenue Requirement	$793,801,150	$831,869,941	$871,228,425	$793,697,094	$831,662,829	$870,918,658	($104,056)	($207,112)	($309,768)

2) LED net plant/depreciation will be booked as a regulatory liability:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
LED Average Net Plant	$3,585,447	$10,956,610	$17,925,034	$2,585,447	$8,956,610	$14,925,034	($1,000,000)	($2,000,000)	($3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$289,187	$878,236	$1,431,419	$208,531	$717,925	$1,191,851	($80,656)	($160,312)	($239,568)
LED Depreciation	$172,467	$575,207	$977,947	$149,067	$528,407	$907,747	($23,400)	($46,800)	($70,200)
LED Net Plant/Depreciation Revenue Requirement	$461,654	$1,453,443	$2,409,365	$357,598	$1,246,331	$2,099,598	($104,056)	($207,112)	($309,768)

3) Net the LED Tracker with the Total Net Plant Tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	$6,966,101,446	$7,336,205,195	$7,711,079,955	$6,966,101,446	$7,336,205,195	$7,711,079,955	$0	$0	$0
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	$561,856,752	$588,039,678	$615,774,754	$561,856,752	$588,039,678	$615,774,754	$0	$0	$0
Depreciation (Net LED Tracker from Total Net Plant Tracker)	$231,482,744	$242,376,820	$253,044,305	$231,482,744	$242,376,820	$253,044,305	$0	$0	$0
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	$793,339,496	$830,416,497	$868,819,060	$793,339,496	$830,416,497	$868,819,060	$0	$0	$0

LED Regulatory Liability	($104,056)	($207,112)	($309,768)
Net Plant Tracker Regulatory Liability (excluding LED)	$0	$0	$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	($104,056)	($207,112)	($309,768)

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 2 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 2

Net Plant/Depreciation Tracker	Under	1) Record Net Utility Plant Regulatory Liability Net of LED Tracker
LED Net Plant/Depreciation Tracker	Under	2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results are under what's allowed in rates, in addition to LED actual costs being lower than forecast. Regulatory liability is generated from the net plant tracker and LED tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$6,969,686,893	$7,347,161,806	$7,729,004,989	$6,963,686,893	$7,338,161,806	$7,717,004,989	($6,000,000)	($9,000,000)	($12,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$562,145,939	$588,917,914	$617,206,173	$561,662,004	$588,196,512	$616,247,903	($483,935)	($721,403)	($958,270)
Depreciation	$231,655,210	$242,952,026	$254,022,252	$231,514,810	$242,741,426	$253,741,452	($140,400)	($210,600)	($280,800)
Total Net Plant/Depreciation Revenue Requirement	$793,801,150	$831,869,941	$871,228,425	$793,176,815	$830,937,938	$869,989,355	($624,335)	($932,003)	($1,239,070)

2) LED net plant/depreciation will be booked as a regulatory liability:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
LED Average Net Plant	$3,585,447	$10,956,610	$17,925,034	$2,585,447	$8,956,610	$14,925,034	($1,000,000)	($2,000,000)	($3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$289,187	$878,236	$1,431,419	$208,531	$717,925	$1,191,851	($80,656)	($160,312)	($239,568)
LED Depreciation	$172,467	$575,207	$977,947	$149,067	$528,407	$907,747	($23,400)	($46,800)	($70,200)
LED Net Plant/Depreciation Revenue Requirement	$461,654	$1,453,443	$2,409,365	$357,598	$1,246,331	$2,099,598	($104,056)	($207,112)	($309,768)

3) Net the LED Tracker with the Total Net Plant Tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	$6,966,101,446	$7,336,205,195	$7,711,079,955	$6,961,101,446	$7,329,205,195	$7,702,079,955	($5,000,000)	($7,000,000)	($9,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	$561,856,752	$588,039,678	$615,774,754	$561,453,473	$587,478,587	$615,056,052	($403,279)	($561,091)	($718,703)
Depreciation (Net LED Tracker from Total Net Plant Tracker)	$231,482,744	$242,376,820	$253,044,305	$231,365,744	$242,213,020	$252,833,705	($117,000)	($163,800)	($210,600)
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	$793,339,496	$830,416,497	$868,819,060	$792,819,217	$829,691,607	$867,889,757	($520,279)	($724,891)	($929,303)

LED Regulatory Liability	($104,056)	($207,112)	($309,768)
Net Plant Tracker Regulatory Liability (excluding LED)	($520,279)	($724,891)	($929,303)
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	($624,335)	($932,003)	($1,239,070)

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 3 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 3

Net Plant/Depreciation Tracker	Under	1) Record Net Utility Plant Regulatory Liability Net of LED Tracker
LED Net Plant/Depreciation Tracker	Over	2) Record LED Revenue Requirement Net Plant Excess as a Regulatory Asset

1) Assume all other components of net plant forecast results are under what's allowed in rates, except for LED actual costs being higher than forecast. Regulatory liability is generated from the net plant tracker and regulatory asset from LED tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$6,969,686,893	$7,347,161,806	$7,729,004,989	$6,965,686,893	$7,342,161,806	$7,723,004,989	($4,000,000)	($5,000,000)	($6,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$562,145,939	$588,917,914	$617,206,173	$561,823,316	$588,517,135	$616,727,038	($322,623)	($400,779)	($479,135)
Depreciation	$231,655,210	$242,952,026	$254,022,252	$231,561,610	$242,835,026	$253,881,852	($93,600)	($117,000)	($140,400)
Total Net Plant/Depreciation Revenue Requirement	$793,801,150	$831,869,941	$871,228,425	$793,384,927	$831,352,161	$870,608,890	($416,223)	($517,779)	($619,535)

2) LED net plant/depreciation will be booked as a regulatory asset:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
LED Average Net Plant	$3,585,447	$10,956,610	$17,925,034	$4,585,447	$12,956,610	$20,925,034	$1,000,000	$2,000,000	$3,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$289,187	$878,236	$1,431,419	$369,843	$1,038,548	$1,670,986	$80,656	$160,312	$239,568
LED Depreciation	$172,467	$575,207	$977,947	$195,867	$622,007	$1,048,147	$23,400	$46,800	$70,200
LED Net Plant/Depreciation Revenue Requirement	$461,654	$1,453,443	$2,409,365	$565,710	$1,660,555	$2,719,133	$104,056	$207,112	$309,768

3) Net the LED Tracker with the Total Net Plant Tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	$6,966,101,446	$7,336,205,195	$7,711,079,955	$6,961,101,446	$7,329,205,195	$7,702,079,955	($5,000,000)	($7,000,000)	($9,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	$561,856,752	$588,039,678	$615,774,754	$561,453,473	$587,478,587	$615,056,052	($403,279)	($561,091)	($718,703)
Depreciation (Net LED Tracker from Total Net Plant Tracker)	$231,482,744	$242,376,820	$253,044,305	$231,365,744	$242,213,020	$252,833,705	($117,000)	($163,800)	($210,600)
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	$793,339,496	$830,416,497	$868,819,060	$792,819,217	$829,691,607	$867,889,757	($520,279)	($724,891)	($929,303)

LED Regulatory Asset	$104,056	$207,112	$309,768
Net Plant Tracker Regulatory Liability (excluding LED)	($520,279)	($724,891)	($929,303)
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	($416,223)	($517,779)	($619,535)

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 4 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 4

Net Plant/Depreciation Tracker	Under	1) Do Not Record Net Utility Plant Regulatory Asset, since total Net Utility Plant is Under, but non-LED is Over Rate Allowance
LED Net Plant/Depreciation Tracker	Under	2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results are higher than what's allowed in rates, and LED actual costs being lower than forecast in excess of total plant underage. Regulatory liability is generated from the LED tracker only:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$6,969,686,893	$7,347,161,806	$7,729,004,989	$6,968,686,893	$7,345,161,806	$7,726,004,989	($1,000,000)	($2,000,000)	($3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$562,145,939	$588,917,914	$617,206,173	$562,065,284	$588,757,602	$616,966,605	($80,656)	($160,312)	($239,568)
Depreciation	$231,655,210	$242,952,026	$254,022,252	$231,631,810	$242,905,226	$253,952,052	($23,400)	($46,800)	($70,200)
Total Net Plant/Depreciation Revenue Requirement	$793,801,150	$831,869,941	$871,228,425	$793,697,094	$831,662,829	$870,918,658	($104,056)	($207,112)	($309,768)

2) LED net plant/depreciation will be booked as a regulatory liability:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
LED Average Net Plant	$3,585,447	$10,956,610	$17,925,034	$1,585,447	$6,956,610	$11,925,034	($2,000,000)	($4,000,000)	($6,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$289,187	$878,236	$1,431,419	$127,876	$557,613	$952,284	($161,312)	($320,623)	($479,135)
LED Depreciation	$172,467	$575,207	$977,947	$125,667	$481,607	$837,547	($46,800)	($93,600)	($140,400)
LED Net Plant/Depreciation Revenue Requirement	$461,654	$1,453,443	$2,409,365	$253,542	$1,039,220	$1,789,830	($208,112)	($414,223)	($619,535)

3) Net the LED Tracker with the Total Net Plant Tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	$6,966,101,446	$7,336,205,195	$7,711,079,955	$6,967,101,446	$7,338,205,195	$7,714,079,955	$1,000,000	$2,000,000	$3,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	$561,856,752	$588,039,678	$615,774,754	$561,937,408	$588,199,989	$616,014,322	$80,656	$160,312	$239,568
Depreciation (Net LED Tracker from Total Net Plant Tracker)	$231,482,744	$242,376,820	$253,044,305	$231,506,144	$242,423,620	$253,114,505	$23,400	$46,800	$70,200
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	$793,339,496	$830,416,497	$868,819,060	$793,443,552	$830,623,609	$869,128,827	$104,056	$207,112	$309,768

LED Regulatory Liability	($208,112)	($414,223)	($619,535)
Net Plant Tracker Regulatory Liability (excluding LED)	$0	$0	$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	($208,112)	($414,223)	($619,535)

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 5 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 5

Net Plant/Depreciation Tracker	Over	1) Do Not Record Net Utility Plant Regulatory Asset - One Way Downward Tracker
LED Net Plant/Depreciation Tracker	Under	2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results exceed forecast allowed in rates, although LED actual costs are lower than forecast. No regulatory asset is generated from the net plant tracker and regulatory liability from LED tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$6,969,686,893	$7,347,161,806	$7,729,004,989	$6,973,686,893	$7,352,161,806	$7,735,004,989	$4,000,000	$5,000,000	$6,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$562,145,939	$588,917,914	$617,206,173	$562,468,563	$589,318,693	$617,685,308	$322,623	$400,779	$479,135
Depreciation	$231,655,210	$242,952,026	$254,022,252	$231,748,810	$243,069,026	$254,162,652	$93,600	$117,000	$140,400
Total Net Plant/Depreciation Revenue Requirement	$793,801,150	$831,869,941	$871,228,425	$794,217,373	$832,387,720	$871,847,960	$416,223	$517,779	$619,535

2) LED net plant/depreciation will be booked as a regulatory liability:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
LED Average Net Plant	$3,585,447	$10,956,610	$17,925,034	$2,585,447	$8,956,610	$14,925,034	($1,000,000)	($2,000,000)	($3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$289,187	$878,236	$1,431,419	$208,531	$717,925	$1,191,851	($80,656)	($160,312)	($239,568)
LED Depreciation	$172,467	$575,207	$977,947	$149,067	$528,407	$907,747	($23,400)	($46,800)	($70,200)
LED Net Plant/Depreciation Revenue Requirement	$461,654	$1,453,443	$2,409,365	$357,598	$1,246,331	$2,099,598	($104,056)	($207,112)	($309,768)

3) Net the LED Tracker with the Total Net Plant Tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	$6,966,101,446	$7,336,205,195	$7,711,079,955	$6,971,101,446	$7,343,205,195	$7,720,079,955	$5,000,000	$7,000,000	$9,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	$561,856,752	$588,039,678	$615,774,754	$562,260,031	$588,600,769	$616,493,457	$403,279	$561,091	$718,703
Depreciation (Net LED Tracker from Total Net Plant Tracker)	$231,482,744	$242,376,820	$253,044,305	$231,599,744	$242,540,620	$253,254,905	$117,000	$163,800	$210,600
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	$793,339,496	$830,416,497	$868,819,060	$793,859,775	$831,141,388	$869,748,362	$520,279	$724,891	$929,303

LED Regulatory Liability	($104,056)	($207,112)	($309,768)
Net Plant Tracker Regulatory Liability (excluding LED)	$0	$0	$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	($104,056)	($207,112)	($309,768)

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 6 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 6

Net Plant/Depreciation Tracker	Over	1) Do Not Record Net Utility Plant Regulatory Asset - One Way Downward Tracker
LED Net Plant/Depreciation Tracker	Over	2) Record LED Revenue Requirement Net Plant Excess as a Regulatory Asset

1) Assume all other components of net plant forecast results are under what's allowed in rates, in addition to LED actual costs being lower than forecast. Regulatory liability is generated from the net plant tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$6,969,686,893	$7,347,161,806	$7,729,004,989	$6,975,686,893	$7,356,161,806	$7,741,004,989	$6,000,000	$9,000,000	$12,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$562,145,939	$588,917,914	$617,206,173	$562,629,874	$589,639,317	$618,164,443	$483,935	$721,403	$958,270
Depreciation	$231,655,210	$242,952,026	$254,022,252	$231,795,610	$243,162,626	$254,303,052	$140,400	$210,600	$280,800
Total Net Plant/Depreciation Revenue Requirement	$793,801,150	$831,869,941	$871,228,425	$794,425,485	$832,801,943	$872,467,495	$624,335	$932,003	$1,239,070

2) LED net plant/depreciation will be booked as a regulatory asset:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
LED Average Net Plant	$3,585,447	$10,956,610	$17,925,034	$4,585,447	$12,956,610	$20,925,034	$1,000,000	$2,000,000	$3,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$289,187	$878,236	$1,431,419	$369,843	$1,038,548	$1,670,986	$80,656	$160,312	$239,568
LED Depreciation	$172,467	$575,207	$977,947	$195,867	$622,007	$1,048,147	$23,400	$46,800	$70,200
LED Net Plant/Depreciation Revenue Requirement	$461,654	$1,453,443	$2,409,365	$565,710	$1,660,555	$2,719,133	$104,056	$207,112	$309,768

3) Net the LED Tracker with the Total Net Plant Tracker:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	$6,966,101,446	$7,336,205,195	$7,711,079,955	$6,971,101,446	$7,343,205,195	$7,720,079,955	$5,000,000	$7,000,000	$9,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	$561,856,752	$588,039,678	$615,774,754	$562,260,031	$588,600,769	$616,493,457	$403,279	$561,091	$718,703
Depreciation (Net LED Tracker from Total Net Plant Tracker)	$231,482,744	$242,376,820	$253,044,305	$231,599,744	$242,540,620	$253,254,905	$117,000	$163,800	$210,600
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	$793,339,496	$830,416,497	$868,819,060	$793,859,775	$831,141,388	$869,748,362	$520,279	$724,891	$929,303

LED Regulatory Asset	$104,056	$207,112	$309,768
Net Plant Tracker Regulatory Liability (excluding LED)	$0	$0	$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	$104,056	$207,112	$309,768

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 7 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Vegetation Management Program Costs
($000's)

ELECTRIC EXAMPLE 1

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 70,000	$ 74,000	$ 78,000
2	Rate Allowance	$ 71,844	$ 74,653	$ 76,220
3	Difference	$ 1,844	$ 653	$ (1,780)
4	3 Year Cumulative Actuals	$ 222,000		
5	3 Year Cumulative Rate Allowance	$ 222,717		
6	Difference - underspend / (overspend)	$ 717		
7	**Deferral - Credit to Customer**	**$ 717**		

ELECTRIC EXAMPLE 2

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 71,000	$ 75,000	$ 78,000
2	Rate Allowance	$ 71,844	$ 74,653	$ 76,220
3	Difference	$ 844	$ (347)	$ (1,780)
4	3 Year Cumulative Actuals	$ 224,000		
5	3 Year Cumulative Rate Allowance	$ 222,717		
6	Difference - underspend / (overspend)	$ (1,283)		
7	**Deferral**	**$ -**		

Notes (by line number)

1 Hypothetical Actual Costs
2 Rate Allowance - See Schedule 33
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for the same period, the Deferral Credit to Customers will be equal to the cumulative amount underspent. If actual costs exceed the cummulative rate allowance, there will be no deferral.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Walk-In Payment Transaction Fees
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 1,200	$ 1,000	$ 1,500
2	Rate Allowance	1,120	1,120	1,120
3	Amount Deferred to (from) customers	$ (80)	$ 120	$ (380)

Notes (by line number)

1 Input - Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.2.5
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Residential Solar Marketplace
($000's)

ELECTRIC EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Revenues	$ 200	$ 400	$ 600
2	Customer Share of Revenues	80%	80%	80%
3	Amount Deferred to Customers	$ 160	$ 320	$ 480

Notes (by line number)

1 Input - Actual Revenues
2 Customer Share - 80% ; See Joint Proposal Section 10.2.9
3 Line 1 multipled by Line 2

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism
Revenue Requirement Target
For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

Rate Year Ending March 31, 2019

	Total Revenue Requirement Target	Electric Revenue Requirement Return (a)	Electric Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		$ 7,558,287	$ 26,860,657
Total Revenue Requirement Target	$ 34,418,944	$ 7,558,287	$ 26,860,657
*Estimated Actual Results		$ 7,600,000	$ 27,107,089
Total Revenue Requirement Actuals	$ 34,707,089	$ 7,600,000	$ 27,107,089
Actuals higher/(lower) than Target	$ 288,145		

Rate Year Ending March 31, 2020

	Total Revenue Requirement Target	Electric Revenue Requirement Return (a)	Electric Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		$ 6,897,684	$ 29,826,436
Total Revenue Requirement Target	$ 36,724,119	$ 6,897,684	$ 29,826,436
*Estimated Actual Results		$ 6,780,000	$ 29,650,000
Total Revenue Requirement Actuals	$ 36,430,000	$ 6,780,000	$ 29,650,000
Actuals higher/(lower) than Target	$ (294,119)		

Rate Year Ending March 31, 2021

	Total Revenue Requirement Target	Electric Revenue Requirement Return (a)	Electric Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		$ 6,653,892	$ 31,978,195
Total Revenue Requirement Target	$ 38,632,087	$ 6,653,892	$ 31,978,195
*Estimated Actual Results		$ 6,620,000	$ 32,144,812
Total Revenue Requirement Actuals	$ 38,764,812	$ 6,620,000	$ 32,144,812
Actuals higher/(lower) than Target	$ 132,725		

3 Year Cumulative Revenue Requirement Actuals	$ 109,901,901
3 Year Cumulative Revenue Requirement Target	$ 109,775,150
3 Year Cumulative Actuals higher/(lower) than Target	$ 126,751

Note: Downward only reconciliation - no amounts due from customer if actuals are higher than target
*Actual Revenue Requirement results will be calculated using the SC Rent Model

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
										4/1/2018	3/31/2019		8.0710%	5210E			5210T		
1	Cloud Security	Cyber Security	3683	G020	$ 1,460,000	$ -	$ 1,460,000	3/31/2018	84	$1,460,000	$1,251,429	$1,355,714	8.0710%	17.76%	$ 14,124	$ 37,042	6.11%	$ 4,859	$ 12,744
2	Risk Based Authentication - 2FA token alternative	Cyber Security	3683	G020	$ -	$ 235,080	$ 235,080	6/1/2018	84	$0	$207,094	$103,547	8.0710%	17.76%	$ 618	$ 4,970	6.11%	$ 213	$ 1,710
3	INVP 3614D1 Ent Network Security	Cyber Security	3614D1	G020	$ 9,674,142	$ -	$ 9,674,142	11/30/2017	84	$9,213,469	$7,831,449	$8,522,459	8.0710%	17.76%	$ 88,787	$ 245,447	6.11%	$ 30,546	$ 84,441
4	Threat Behavior Modeling	Cyber Security	3683	G020	$ -	$ 800,000	$ 800,000	7/1/2018	84	$0	$714,286	$357,143	8.0710%	17.76%	$ 2,154	$ 15,223	6.11%	$ 741	$ 5,237
5	Identity & Access Management :Role Base Access Management (RBAC)	Cyber Security	3683	G020	$ -	$ 1,650,000	$ 1,650,000	6/1/2018	84	$0	$1,453,571	$726,786	8.0710%	17.76%	$ 4,341	$ 34,886	6.11%	$ 1,493	$ 12,002
6	Enhanced DLP Gateway and Endpoint	Cyber Security	3683	G020	$ -	$ 2,238,480	$ 2,238,480	10/1/2018	84	$0	$2,078,589	$1,039,294	8.0710%	17.76%	$ 6,444	$ 28,397	6.11%	$ 2,217	$ 9,769
7	INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020	$ 4,829,586	$ -	$ 4,829,586	12/31/2017	84	$4,657,101	$3,967,160	$4,312,130	8.0710%	17.76%	$ 44,924	$ 122,533	6.11%	$ 15,455	$ 42,155
8	INVP 3614E4 US CNI Security R&E	Cyber Security	3614E4	G020	$ 1,340,144	$ -	$ 1,340,144	12/31/2017	84	$1,292,282	$1,100,833	$1,196,557	8.0710%	17.76%	$ 12,466	$ 34,001	6.11%	$ 4,289	$ 11,698
9	US CNI Intrusion Detection/Prevention Phase 1	Cyber Security	3683	G020	$ 80,409	$ 469,591	$ 550,000	7/31/2018	84	$0	$497,619	$248,810	8.0710%	17.76%	$ 1,515	$ 9,303	6.11%	$ 521	$ 3,200
10	Identity & Access Management: Fine Grain Access Management	Cyber Security	3683	G020	$ 241,228	$ 1,408,772	$ 1,650,000	8/31/2018	84	$0	$1,512,500	$756,250	8.0710%	17.76%	$ 4,648	$ 24,420	6.11%	$ 1,599	$ 8,401
11	vStig Scaling Upgrades	Cyber Security	3683	G020	$ 146,199	$ 853,801	$ 1,000,000	8/1/2018	84	$0	$904,762	$452,381	8.0710%	17.76%	$ 2,755	$ 16,914	6.11%	$ 948	$ 5,819
12	IT/OT Discovery and Implementation Phase 1	Cyber Security	3683	G020	$ 482,456	$ 4,741,561	$ 5,224,017	6/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
13	Security Research Lab	Cyber Security	3683	G020	$ 47,515	$ 250,305	$ 297,820	6/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
14	US CNI Security Enhancements Phase 1	Cyber Security	3683	G020	$ 241,228	$ 1,270,780	$ 1,512,008	6/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
15	Identity & Access Management: Privileged Access Management	Cyber Security	3683	G020	$ -	$ 1,740,000	$ 1,740,000	3/31/2019	84	$0	$1,740,000	$870,000	8.0710%	17.76%	$ 5,657	$ -	6.11%	$ 1,946	$ -
16	Domain Based Security Phase 1	Cyber Security	3683	G020	$ -	$ 800,000	$ 800,000	3/31/2019	84	$0	$800,000	$400,000	8.0710%	17.76%	$ 2,601	$ -	6.11%	$ 895	$ -
17	Security Incident Event Management Phase 4	Cyber Security	3683	G020	$ -	$ 1,120,783	$ 1,120,783	5/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
18	Big Data Security Analytics Phase 1	Cyber Security	3683	G020	$ -	$ 4,090,466	$ 4,090,466	5/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
19	US CNI Intrusion Detection/Prevention Phase 2	Cyber Security	3683	G020	$ -	$ 269,465	$ 269,465	3/31/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
20	Identity & Access Management: Shared Area Access Management	Cyber Security	3683	G020	$ -	$ 586,086	$ 586,086	3/31/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
21	Security Incident Event Management Phase 5	Cyber Security	3683	G020	$ -	$ 246,948	$ 246,948	5/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
22	Domain Based Security Phase 2	Cyber Security	3683	G020	$ -	$ 1,400,000	$ 1,400,000	4/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
23	Security Incident Event Management (SIEM) 6	Cyber Security	3683	G020	$ -	$ 246,948	$ 246,948	5/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
24	Big Data Security Analytics - Phase 2	Cyber Security	3683	G020	$ -	$ 500,000	$ 500,000	5/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
25	IT/OT Discovery and Implementation: Phase 2	Cyber Security	3683	G020	$ -	$ -	$ -	10/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
26	US CNI Security Enhancements - Phase 2	Cyber Security	3683	G020	$ -	$ -	$ -	11/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
27	Data Visualization	Cyber Security	3683	G020	$ -	$ -	$ -	12/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
28	INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	G277	$ -	$ -	$ -	5/26/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
29	INVP 4045 Double Pole Mgmt DB	FY18 Plan	4045	G198	$ 432,455	$ -	$ 432,455	3/4/2017	84	$365,527	$303,748	$334,638	8.0710%	41.93%	$ 8,527	$ 25,904	0.00%	$ -	$ -
30	INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	G020	$ 259,667	$ -	$ 259,667	2/20/2017	84	$219,481	$182,385	$200,933	8.0710%	17.76%	$ 2,169	$ 6,588	6.11%	$ 746	$ 2,267
31	INVP 3955 EJ Ward Upgrade	FY18 Plan	3955	G235	$ -	$ -	$ -	3/7/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
32	INVP 4188 Aging System Stabilize	FY18 Plan	4188	G148	$ 854,204	$ -	$ 854,204	12/1/2017	84	$813,527	$691,498	$752,513	8.0710%	18.77%	$ 8,286	$ 22,905	6.43%	$ 2,838	$ 7,846
33	INVP 4280 US VSTIG Bandwidth Ph2	FY18 Plan	4280	G020	$ 2,256,401	$ -	$ 2,256,401	12/1/2017	84	$2,148,953	$1,826,610	$1,987,781	8.0710%	17.76%	$ 20,709	$ 57,248	6.11%	$ 7,124	$ 19,695
34	INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	G020	$ 13,464,281	$ -	$ 13,464,281	7/31/2017	84	$12,181,969	$10,258,500	$11,220,235	8.0710%	17.76%	$ 128,610	$ 341,608	6.11%	$ 44,246	$ 117,524
35	INVP 4364 Wireless Network	FY18 Plan	4364	G020	$ 2,303,959	$ -	$ 2,303,959	3/31/2018	84	$2,303,959	$1,974,822	$2,139,390	8.0710%	17.76%	$ 22,288	$ 58,455	6.11%	$ 7,668	$ 20,110
36	S005242 M112 Systemic Improvement	FY18 Plan		G020	$ 8,275,650	$ -	$ 8,275,650	12/1/2017	120	$7,999,795	$7,172,230	$7,586,012	8.0710%	17.76%	$ 79,031	$ 146,976	6.11%	$ 27,189	$ 50,564
37	INVP 4289 US Network Improvement	FY18 Plan	4289	G020	$ 1,336,479	$ -	$ 1,336,479	12/1/2017	84	$1,272,837	$1,081,912	$1,177,375	8.0710%	17.76%	$ 12,266	$ 33,908	6.11%	$ 4,220	$ 11,666
38	HANA License Costs	FY18 Plan	4649	G020	$ 3,826,068	$ -	$ 3,826,068	3/31/2017	84	$3,279,487	$2,732,906	$3,006,197	8.0710%	17.76%	$ 32,983	$ 97,073	6.11%	$ 11,347	$ 33,396
39	Microsoft ELA Renewal	FY18 Plan	4642	G020	$ 3,207,476	$ -	$ 3,207,476	3/31/2017	84	$2,749,265	$2,291,054	$2,520,159	8.0710%	17.76%	$ 27,651	$ 81,378	6.11%	$ 9,513	$ 27,997
40	Mobile Device Refresh - FY17	FY18 Plan	4671	G020	$ 4,138,561	$ -	$ 4,138,561	3/31/2017	84	$3,547,338	$2,956,115	$3,251,726	8.0710%	17.76%	$ 35,677	$ 105,001	6.11%	$ 12,274	$ 36,124
41	Zscaler	FY18 Plan	4681	G020	$ 1,100,000	$ 1,000,000	$ 2,100,000	4/1/2018	84	$2,100,000	$1,800,000	$1,950,000	8.0710%	17.76%	$ 20,315	$ 53,280	6.11%	$ 6,989	$ 18,330
42	INVP 2577C AutFM Software Upgrade	FY18 Plan	2577C	G112	$ -	$ -	$ -	4/10/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
43	INVP 4631 Box Enablement	FY18 Plan	4631	G020	$ 254,000	$ -	$ 254,000	3/31/2018	84	$254,000	$217,714	$235,857	8.0710%	17.76%	$ 2,457	$ 6,444	6.11%	$ 845	$ 2,217
44	INVP 4170 Time Transformation	FY18 Plan	4170	G020	$ 2,676,143	$ -	$ 2,676,143	4/30/2017	84	$2,325,695	$1,943,389	$2,134,542	8.0710%	17.76%	$ 24,567	$ 67,898	6.11%	$ 8,452	$ 23,359
45	INVP 4420 US CNI OMSFocalPoint Infrastructure Upgrade	FY18 Plan	4420	G198	$ 705,521	$ -	$ 705,521	5/23/2017	84	$621,530	$520,742	$571,136	8.0710%	41.93%	$ 15,497	$ 42,261	0.00%	$ -	$ -
46	INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G020	$ 608,000	$ -	$ 608,000	3/31/2018	84	$608,000	$521,143	$564,571	8.0710%	17.76%	$ 5,882	$ 15,426	6.11%	$ 2,024	$ 5,307
47	US Video Conferencing upgrade for RW	FY18 Plan	4632	G020	$ 1,702,730	$ -	$ 1,702,730	7/31/2017	84	$1,540,565	$1,297,318	$1,418,942	8.0710%	17.76%	$ 16,264	$ 43,201	6.11%	$ 5,595	$ 14,862
48	Hix D/C Improvement Server Refresh	FY18 Plan	4676	G020	$ 1,000,000	$ -	$ 1,000,000	3/31/2018	84	$1,000,000	$857,143	$928,571	8.0710%	17.76%	$ 9,674	$ 25,371	6.11%	$ 3,328	$ 8,729
49	INVP 4464 Data Visualization	FY18 Plan	4464	G020	$ 7,067,413	$ -	$ 7,067,413	11/30/2017	84	$6,730,870	$5,721,239	$6,226,055	8.0710%	17.76%	$ 64,863	$ 179,310	6.11%	$ 22,315	$ 61,688
50	Mobility - (MDM) Mobile Device	FY18 Plan	3430	G020	$ 1,162,000	$ -	$ 1,162,000	2/1/2018	84	$1,134,333	$968,333	$1,051,333	8.0710%	17.76%	$ 10,953	$ 29,482	6.11%	$ 3,768	$ 10,143
51	Changes to ACIS for PMCC Civil Vendor Billing	FY18 Plan	4487	G186	$ 382,000	$ -	$ 382,000	12/2/2017	84	$363,810	$309,238	$336,524	8.0710%	30.74%	$ 6,068	$ 16,775	10.99%	$ 2,169	$ 5,997
52	INVP 4461 Univ51 Interface Migration	FY18 Plan	4461	G020	$ 1,386,701	$ -	$ 1,386,701	3/1/2018	84	$1,370,193	$1,172,093	$1,271,143	8.0710%	17.76%	$ 13,243	$ 35,183	6.11%	$ 4,556	$ 12,104
53	INVP 4287 Active Directory Upgrade	FY18 Plan	4287	G020	$ 804,825	$ -	$ 804,825	1/30/2018	84	$785,663	$670,688	$728,175	8.0710%	17.76%	$ 7,586	$ 20,420	6.11%	$ 2,610	$ 7,025
54	US Control-Gas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480	G210	$ 79,240	$ 417,432	$ 496,672	5/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
55	Enterprise Labs	FY18 Plan	4693	G020	$ 668,000	$ -	$ 668,000	10/30/2017	84	$628,238	$532,810	$580,524	8.0710%	17.76%	$ 6,048	$ 16,948	6.11%	$ 2,081	$ 5,831
56	Cascade Electric Application Upgrade Project	FY18 Plan	3986	G198	$ 375,000	$ -	$ 375,000	10/31/2017	84	$352,679	$299,107	$325,893	8.0710%	41.93%	$ 8,016	$ 22,463	0.00%	$ -	$ -
57	INVP 4408 Doc Mgmt Systems Replacement Delivery	FY18 Plan	4408	G149	$ 3,855,044	$ -	$ 3,855,044	11/1/2017	84	$3,625,577	$3,074,856	$3,350,217	8.0710%	17.88%	$ 35,139	$ 98,469	6.15%	$ 12,086	$ 33,869
58	WIFI for Fleet Services Diagnostic Laptops	FY18 Plan	3956	G352	$ 838,000	$ -	$ 838,000	11/1/2017	84	$788,119	$668,405	$728,262	8.0710%	17.94%	$ 7,664	$ 21,477	6.17%	$ 2,636	$ 7,386
59	Gas Service Database - UNY	FY18 Plan	3949	5210G	$ 325,000	$ -	$ 325,000	12/1/2017	84	$309,524	$263,095	$286,310	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
60	Gas Service Database - DNY (LI and NYC)	FY18 Plan	3948	G225	$ -	$ -	$ -	12/4/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
61	Substation Monitoring-DobleARMS	FY18 Plan	3982	G381	$ -	$ -	$ -	1/1/2018	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
62	Gas Capital Investment Planning Tool	FY18 Plan	4466	G210	$ 83,626	$ 440,537	$ 524,163	9/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
63	Computapole Enhancements to Support Inspection Types	FY18 Plan	4462	G186	$ 65,789	$ 346,576	$ 412,366	9/1/2019	84	$0	$0	$0	8.0710%	30.74%	$ -	$ -	10.99%	$ -	$ -
64	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	G020	$ 180,117	$ 948,849	$ 1,128,966	9/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
65	Ageing System Stabilization/Upgrades - FY18	FY18 Plan	4389	G148	$ 219,298	$ 1,155,255	$ 1,374,553	6/30/2019	84	$0	$0	$0	8.0710%	18.77%	$ -	$ -	6.43%	$ -	$ -
66	INVP 3486 US MDS-Iron Enterprise Edition (IEE)	FY18 Plan	3486	G186	$ 758,544	$ -	$ 758,544	3/31/2018	84	$758,544	$650,180	$704,362	8.0710%	30.74%	$ 12,701	$ 33,311	10.99%	$ 4,541	$ 11,909
67	INVP 4390 Plastic Fusion II	FY18 Plan	4390	G210	$ 506,000	$ -	$ 506,000	3/31/2018	84	$506,000	$433,714	$469,857	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
68	INVP 4397 Ariba TLS and CI Update	FY18 Plan	4397	G020	$ 1,602,226	$ -	$ 1,602,226	3/31/2018	120	$1,602,226	$1,442,003	$1,522,114	8.0710%	17.76%	$ 15,857	$ 28,456	6.11%	$ 5,455	$ 9,790
69	US Mobile Device Refresh	FY18 Plan	4395	G020	$ 4,500,000	$ -	$ 4,500,000	3/31/2018	84	$4,500,000	$3,857,143	$4,178,571	8.0710%	17.76%	$ 59,896	$ 114,171	6.11%	$ 20,606	$ 39,279
70	US SAP: Infrastructure Landscape	FY18 Plan	4348	G020	$ 4,142,700	$ -	$ 4,142,700	3/31/2018	84	$4,142,700	$3,550,886	$3,846,793	8.0710%	17.76%	$ 40,076	$ 105,106	6.11%	$ 13,787	$ 36,160
71	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ 9,207,521	$ -	$ 9,207,521	3/31/2018	84	$9,207,521	$7,892,161	$8,549,841	8.0710%	30.74%	$ 154,172	$ 404,342	10.99%	$ 55,119	$ 144,558
72	US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	4568	U186	$ 3,213,537	$ -	$ 3,213,537	3/31/2018	84	$3,213,537	$2,754,461	$2,983,999	8.0710%	26.20%	$ 45,861	$ 120,278	35.42%	$ 62,000	$ 162,605
73	Network Transformation Completion - CEMS	FY18 Plan	4647	G020	$ 36,550	$ 167,542	$ 204,092	5/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
74	Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020	$ 675,000	$ -	$ 675,000	3/31/2018	84	$675,000	$578,571	$626,786	8.0710%	17.76%	$ 6,530	$ 17,126	6.11%	$ 2,246	$ 5,892
75	Aged Printer refresh	FY18 Plan	4689	G020	$ 45,000	$ -	$ 45,000	3/31/2018	84	$45,000	$38,571	$41,786	8.0710%	17.76%	$ 435	$ 1,142	6.11%	$ 150	$ 393

Case 17-E-0238
Appendix 5
Schedule 19
Page 2 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
76	RSA Token refresh	FY18 Plan	4683	G020	$ 536,718	$ -	$ 536,718	3/31/2017	84	$460,044	$383,370	$421,707	8.0710%	17.76%	$ 4,627	$ 13,617	6.11%	$ 1,592	$ 4,685
77	Load and DER Forecasting (Acquisition of Remote Sensing Data - Mass)	FY18 Plan	4670	C310	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
78	INVP4449 - EPA File	FY18 Plan	4449	C170	$ 630,000	$ -	$ 630,000	3/31/2018	84	$630,000	$540,000	$585,000	8.0710%	40.06%	$ 13,747	$ 36,054	0.00%	$ -	$ -
79	Informatica Upgrade/Microstrategy Replacement Program	FY18 Plan	4469	G020	$ 2,012,928	$ 1,151,472	$ 3,164,400	5/1/2018	84	$0	$2,750,014	$1,375,007	8.0710%	17.76%	$ 8,129	$ 73,595	6.11%	$ 2,797	$ 25,319
80	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	FY18 Plan	3932	C175	$ 13,292,340	$ 10,273,671	$ 23,566,011	8/31/2018	84	$0	$21,602,177	$10,801,088	8.0710%	23.28%	$ 87,012	$ 457,165	0.00%	$ -	$ -
81	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	FY18 Plan	4481	G186	$ -	$ 654,799	$ 654,799	5/1/2019	84	$0	$0	$0	8.0710%	30.74%	$ -	$ -	10.99%	$ -	$ -
82	INVP 4398 Storms/Ished Upgrade	FY18 Plan	4398	G160	$ 7,683,338	$ 1,276,942	$ 8,960,280	12/15/2018	84	$0	$8,640,270	$4,320,135	8.0710%	27.24%	$ 42,122	$ 87,171	9.63%	$ 14,891	$ 30,817
83	General Ledger Interface CRIS SAP	FY18 Plan	4486	C343	$ -	$ -	$ -	3/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
84	STORMS Capital Cost Estimates	FY18 Plan	4467	G148	$ -	$ 235,243	$ 235,243	5/1/2019	84	$0	$0	$0	8.0710%	18.77%	$ -	$ -	6.43%	$ -	$ -
85	CRIS Data Archival	FY18 Plan	4485	C343	$ -	$ -	$ -	4/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
86	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0710%	30.74%	$ -	$ -	10.99%	$ -	$ -
87	Inventory Management Handheld Devices	FY18 Plan		G020	$ 129,283	$ -	$ 129,283	3/31/2017	84	$110,814	$92,345	$101,580	8.0710%	17.76%	$ 1,115	$ 3,280	6.11%	$ 383	$ 1,128
88	Customer Bill Redesign	FY18 Plan	4704Q	H173	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0710%	19.12%	$ -	$ -	0.00%	$ -	$ -
89	INVP 3737 US CNI GMS SCADA Upgrade &	FY18 Plan	3737	C210	$ 16,808,477	$ 1,500,000	$ 18,308,477	3/31/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
90	Cisco Prime	FY18 Plan	4679	G020	$ -	$ 216,000	$ 216,000	5/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
91	Contractor Management Modernization	FY18 Plan	4151	G327	$ -	$ 300,000	$ 300,000	10/15/2022	84	$0	$0	$0	8.0710%	18.70%	$ -	$ -	6.41%	$ -	$ -
92	Risk Management (Tx Mains & Dx Mains)	GBE- Asset Management	4572	C210	$ 2,110,800	$ -	$ 1,899,720	12/1/2017	120	$1,836,396	$1,646,424	$1,741,410	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
93	AM Program Leadership-1	GBE- Asset Management	4572	C210	$ 277,124	$ -	$ 249,412	3/1/2018	120	$247,333	$222,392	$234,863	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
94	Enhancements	GBE- Asset Management	4572	C210	$ 2,059,930	$ 600,945	$ 2,394,788	12/1/2018	120	$0	$2,314,961	$1,157,481	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
95	Additional IM Modules	GBE- Asset Management	4572	C210	$ -	$ 604,233	$ 543,810	2/1/2019	120	$0	$534,746	$267,373	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
96	AM Program Leadership-2	GBE- Asset Management	4572	C210	$ -	$ 398,676	$ 358,808	3/1/2019	120	$0	$355,818	$177,909	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
97	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	GBE- Asset Management	4572	C210	$ 2,426,395	$ 5,983,122	$ 7,568,565	3/1/2019	120	$0	$7,505,494	$3,752,747	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
98	EAM-FIN Integration	GBE- Asset Management	4572	C210	$ -	$ 979,407	$ 881,466	6/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
99	Integrity Management Integrations	GBE- Asset Management	4572	C210	$ -	$ 371,868	$ 334,682	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
100	AM Program Leadership-3	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
101	Design (GWD), Estimating (CU), & Mobility	GBE- Asset Management	4572	C210	$ -	$ 1,729,295	$ 1,556,366	9/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
102	Asset Analytics Integration	GBE- Asset Management	4572	C210	$ -	$ -	$ -	12/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
103	GIS (GWD/CU) - PPM Integration	GBE- Asset Management	4572	C210	$ -	$ -	$ -	12/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
104	GIS-EAM Integration	GBE- Asset Management	4572	C210	$ -	$ 1,250,000	$ 1,125,000	12/2/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
105	AM Program Leadership-4	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
106	Use Case No.1 - Asset Risk	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
107	Complex Design (CAD) & Estimating (ESW)	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
108	Program Learning Management-1	GBE- Business Enablement	4572	C210	$ 117,297	$ -	$ 105,567	3/1/2018	120	$104,687	$94,131	$99,409	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
109	Program Transformational Change Office-1	GBE- Business Enablement	4572	C210	$ 689,043	$ -	$ 620,139	3/1/2018	120	$614,971	$552,957	$583,964	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
110	Program Business Sustainment-1	GBE- Business Enablement	4572	C210	$ -	$ 69,617	$ 62,655	3/1/2019	120	$0	$62,133	$31,067	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
111	Program Learning Management-2	GBE- Business Enablement	4572	C210	$ -	$ 130,211	$ 117,190	3/1/2019	120	$0	$116,213	$58,107	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
112	Program Transformational Change Office -2	GBE- Business Enablement	4572	C210	$ -	$ 1,516,310	$ 1,364,679	3/1/2019	120	$0	$1,353,306	$676,653	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
113	Program Learning Management-3	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
114	Program Transformational Change Office-3	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
115	Program Business Sustainment-2	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
116	Program Learning Management-4	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
117	Program Transformational Change Office-4	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
118	Customer Experience Program Leadership-1	GBE- Customer Engagement	4572	C210	$ -	$ 260,229	$ 234,206	3/1/2019	120	$0	$232,254	$116,127	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
119	CxT Portal & Channel Management	GBE- Customer Engagement	4572	C210	$ -	$ 6,679,688	$ 6,011,719	6/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
120	Customer Interaction - First Release	GBE- Customer Engagement	4572	C210	$ -	$ 1,780,471	$ 1,602,424	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
121	Employee Support Interaction - First Release	GBE- Customer Engagement	4572	C210	$ -	$ 3,871,396	$ 3,484,256	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
122	Customer Experience Program Leadership-2	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
123	CRM / Contact Center	GBE- Customer Engagement	4572	C210	$ -	$ 15,200,000	$ 13,680,000	6/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
124	Large Commercial & Landlord Interaction	GBE- Customer Engagement	4572	C210	$ -	$ 15,723	$ 14,150	7/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
125	Employee Support Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	7/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
126	Customer Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	1/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
127	Customer Experience Program Leadership-3	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
128	Data Management Implementation (Quality & Cleansing)	GBE- Data Management	4572	C210	$ 11,100,000	$ -	$ 9,990,000	12/1/2017	120	$9,657,000	$8,658,000	$9,157,500	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
129	Data Management & Governance Program Leadership-1	GBE- Data Management	4572	C210	$ 58,890	$ -	$ 53,001	3/1/2018	120	$52,559	$47,259	$49,909	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
130	Enable the Data Archive Process	GBE- Data Management	4572	C210	$ -	$ 2,111,916	$ 1,900,724	3/1/2019	120	$0	$1,884,885	$942,442	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
131	Data Management & Governance Program Leadership-2	GBE- Data Management	4572	C210	$ -	$ 87,954	$ 79,159	3/1/2019	120	$0	$78,499	$39,249	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
132	Data Management & Governance Program Leadership-3	GBE- Data Management	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
133	PowerPlan Architecture Enhancements	GBE- Information Services Enabling	4572	C210	$ 6,080,111	$ -	$ 5,472,100	11/1/2017	120	$5,244,096	$4,696,886	$4,970,491	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
134	Comprehensive Integration Services (Enhancements)	GBE- Information Services Enabling	4572	C210	$ 78,624	$ -	$ 70,762	12/1/2017	120	$68,403	$61,327	$64,865	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
135	Application (Environment) Infrastructure	GBE- Information Services Enabling	4572	C210	$ 2,174,410	$ -	$ 1,956,969	12/1/2017	120	$1,891,737	$1,696,040	$1,793,888	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
136	Development Operations & BPA Enablement-1	GBE- Information Services Enabling	4572	C210	$ 2,903,920	$ -	$ 2,613,528	3/1/2018	120	$2,591,749	$2,330,396	$2,461,072	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
137	SAP and Application Integration Development- Release 1-1	GBE- Information Services Enabling	4572	C210	$ 4,765,187	$ -	$ 4,288,668	3/1/2018	120	$4,252,929	$3,824,063	$4,038,496	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
138	Mobility CoE & End-User Computing-1	GBE- Information Services Enabling	4572	C210	$ 604,790	$ -	$ 544,311	3/1/2018	120	$539,775	$485,344	$512,559	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
139	Operations/System Monitoring	GBE- Information Services Enabling	4572	C210	$ 500,000	$ 557,768	$ 951,992	8/1/2018	120	$0	$888,526	$444,263	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
140	Development Operations & BPA Enablement-2	GBE- Information Services Enabling	4572	C210	$ -	$ 2,562,011	$ 2,305,810	3/1/2019	120	$0	$2,286,595	$1,143,297	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
141	SAP and Application Integration Development- Release 1-2	GBE- Information Services Enabling	4572	C210	$ -	$ 4,548,168	$ 4,093,351	3/1/2019	120	$0	$4,059,240	$2,029,620	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
142	SAP and Application Integration Development- Release 2-1	GBE- Information Services Enabling	4572	C210	$ -	$ 5,055,712	$ 4,550,140	3/1/2019	120	$0	$4,512,223	$2,256,111	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
143	Mobility CoE & End-User Computing-2	GBE- Information Services Enabling	4572	C210	$ -	$ 920,536	$ 828,483	3/1/2019	120	$0	$821,578	$410,789	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
144	Development Operations & BPA Enablement-3	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
145	SAP and Application Integration Development- Release 1-3	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
146	SAP and Application Integration Development- Release 2-2	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
147	SAP and Application Integration Development- Release 3-1	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
148	Mobility CoE & End-User Computing-3	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
149	Test Automation Implementation	GBE- Information Services Enabling	4572	C210	$ 490,509	$ 1,034,882	$ 1,372,852	12/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
150	Development Operations & BPA Enablement-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 3 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
151	SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
152	SAP and Application Integration Development- Release 3-2	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
153	Mobility CoE & End-User Computing-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
154	Portfolio Management Leadership-1	GBE- Portfolio Office	4572	C210	$ 1,645,919	$ -	$ 1,481,327	3/1/2018	120	$1,468,983	$1,320,850	$1,394,916	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
155	Solution Architects & Agile Coaches-1	GBE- Portfolio Office	4572	C210	$ 1,958,277	$ -	$ 1,762,449	3/1/2018	120	$1,747,762	$1,571,517	$1,659,640	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
156	Portfolio Management Leadership-2	GBE- Portfolio Office	4572	C210	$ -	$ 2,144,482	$ 1,930,034	3/1/2019	120	$0	$1,913,950	$956,975	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
157	Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C210	$ -	$ 3,964,632	$ 3,568,169	3/1/2019	120	$0	$3,538,434	$1,769,217	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
158	Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
159	Solution Architects & Agile Coaches-3	GBE- Portfolio Office	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
160	Portfolio Management Leadership-4	GBE- Portfolio Office	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
161	Regulatory/ Compliance	GBE- Regulatory and Compliance	4572	C210	$ 750,000	$ 1,500,000	$ 2,025,000	9/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
162	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ -	$ 565,045	$ 508,541	3/1/2019	120	$0	$504,303	$252,151	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
163	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
164	Business Architecture Design	GBE- Work Management	4572	C210	$ 3,004,085	$ -	$ 2,703,676	12/1/2017	120	$2,613,554	$2,343,186	$2,478,370	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
165	WMFE Program Leadership-1	GBE- Work Management	4572	C210	$ 234,013	$ -	$ 210,612	3/1/2018	120	$208,857	$187,795	$198,326	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
166	Corrosion and I&R Work	GBE- Work Management	4572	C210	$ 7,001,291	$ 17,676,960	$ 22,210,426	7/1/2018	120	$0	$20,544,644	$10,272,322	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
167	CU Governance & Library - puncess	GBE- Work Management	4572	C210	$ -	$ 1,658,439	$ 1,492,595	11/1/2018	120	$0	$1,430,404	$715,202	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
168	WMFE Program Leadership-2	GBE- Work Management	4572	C210	$ -	$ 563,692	$ 507,323	3/1/2019	120	$0	$503,095	$251,548	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
169	Company Driven Work: Collections and non-Appointment Offs - Gas	GBE- Work Management	4572	C210	$ 2,366,407	$ 1,773,327	$ 3,725,761	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
170	Company Driven Work: Collections and non-Appointment Offs- Electric	GBE- Work Management	4572	C198	$ 1,274,219	$ 954,868	$ 2,006,178	10/1/2019	120	$0	$0	$0	8.0710%	47.71%	$ -	$ -	0.00%	$ -	$ -
171	Customer, Leak Investigation & Inspections - Gas	GBE- Work Management	4572	C210	$ 1,191,154	$ 8,895,256	$ 9,077,769	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
172	Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	$ 641,390	$ 4,789,753	$ 4,888,029	10/1/2019	120	$0	$0	$0	8.0710%	47.71%	$ -	$ -	0.00%	$ -	$ -
173	WMFE Program Leadership-3	GBE- Work Management	4572	C210	$ -	$ -	$ -	3/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
174	PowerPlan Integration & Enhancements	GBE- Work Management	4572	C210	$ -	$ -	$ -	6/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
175	Construction Work & Leak Repair	GBE- Work Management	4572	C210	$ -	$ 1,832,544	$ 1,649,290	9/1/2020	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
176	WMFE Program Leadership-4	GBE- Work Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
177	Work Forecasting & Planning - solution	GBE- Work Management	4572	C210	$ -	$ -	$ -	5/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
178	Core Projects & Program Management	GBE- Work Management	4572	C210	$ -	$ -	$ -	6/1/2021	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
179	WMFE Optimization	GBE- Work Management	4572	C210	$ -	$ -	$ -	3/1/2022	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
180	Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT	4426	C175	$ -	$ 673,662	$ 673,662	10/31/2019	84	$0	$0	$0	8.0710%	23.28%	$ -	$ -	0.00%	$ -	$ -
181	Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	$ -	$ 2,863,062	$ 2,863,062	9/1/2019	84	$0	$0	$0	8.0710%	23.28%	$ -	$ -	0.00%	$ -	$ -
182	Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance	4222	G020	$ 922,028	$ 617,972	$ 1,540,000	3/1/2019	84	$0	$1,521,667	$760,833	8.0710%	17.76%	$ 4,911	$ 3,256	6.11%	$ 1,690	$ 1,120
183	US SAP: Business Planning	Growth Play Book-Finance	4217	G020	$ 1,034,358	$ 3,608,642	$ 4,643,000	3/31/2019	84	$0	$4,643,000	$2,321,500	8.0710%	17.76%	$ 15,094	$ -	6.11%	$ 5,193	$ -
184	US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	G020	$ -	$ 442,933	$ 442,933	10/30/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
185	DRMS for C&I Demand Response	NY REV / Grid Mod		5210E	$ -	$ 1,190,159	$ 1,190,159	5/1/2019	36	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
186	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729	C113	$ 8,526,273	$ -	$ 8,526,273	3/31/2017	84	$7,308,234	$6,090,195	$6,699,214	8.0710%	72.91%	$ 301,748	$ 888,072	0.00%	$ -	$ -
187	Plant Information Historian	NY REV / Grid Mod	4704K	G198	$ -	$ 2,500,000	$ 2,500,000	9/30/2020	84	$0	$0	$0	8.0710%	41.93%	$ -	$ -	0.00%	$ -	$ -
188	DG IOAP Phase II (Tactical)	NY REV / Grid Mod	4704P	5210E	$ -	$ 308,482	$ 308,482	4/1/2020	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
189	E-Commerce Marketplace	NY REV / Grid Mod	4704D	5210E	$ -	$ 532,244	$ 532,244	5/1/2020	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
190	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	5/1/2020	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
191	AMI - CSS Enhancements	NY REV / Grid Mod	4704A	C113	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	72.91%	$ -	$ -	0.00%	$ -	$ -
192	Green Button Connect	NY REV / Grid Mod	4704C	C113	$ -	$ 1,035,000	$ 1,035,000	3/31/2021	84	$0	$0	$0	8.0710%	72.91%	$ -	$ -	0.00%	$ -	$ -
193	DSP - DG IOAP	NY REV / Grid Mod	4704F	5210E	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
194	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
195	Outdoor Lighting Inventory Portal	NY REV / Grid Mod	4704O	5210E	$ -	$ 370,514	$ 370,514	3/31/2021	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
196	DRMS for C&I Demand Response (Renewal)	NY REV / Grid Mod		5210E	$ -	$ -	$ -	5/1/2021	12	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
197	Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
198	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
199	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	72.91%	$ -	$ -	0.00%	$ -	$ -
200	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
201	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	72.91%	$ -	$ -	0.00%	$ -	$ -
202	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
203	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	72.91%	$ -	$ -	0.00%	$ -	$ -
204	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
205	Cyber Security	NY REV / Grid Mod	4704N	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	72.91%	$ -	$ -	0.00%	$ -	$ -
206	Cyber Security	NY REV / Grid Mod	4704N	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	100.00%	$ -	$ -	0.00%	$ -	$ -
207	Residential Solar Marketplace	NY REV / Grid Mod		5210E	$ -	$ 54,350	$ 54,350	3/31/2019	36	$0	$54,350	$27,175	8.0710%	100.00%	$ 995	$ -	0.00%	$ -	$ -
208	INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	$ 1,668,447	$ -	$ 1,668,447	12/16/2016	84	$1,370,510	$1,132,161	$1,251,335	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
209	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851	G181	$ 1,234,000	$ -	$ 1,234,000	3/31/2018	84	$1,234,000	$1,057,714	$1,145,857	8.0710%	74.79%	$ 50,271	$ 131,844	25.21%	$ 16,945	$ 44,442
210	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	Other Mandates	4400	G020	$ 1,126,000	$ -	$ 1,126,000	12/31/2017	84	$1,085,786	$924,929	$1,005,357	8.0710%	17.76%	$ 10,474	$ 28,568	6.11%	$ 3,603	$ 9,828
211	Regulatory Mandates - FY18	Other Mandates		G020	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
212	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479	G210	$ 1,561,667	$ 1,438,333	$ 3,000,000	5/1/2018	84	$0	$2,607,143	$1,303,571	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
213	Regulatory Mandates - FY19	Other Mandates		G020	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
214	Regulatory Mandates - FY20	Other Mandates		G020	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
215	Regulatory Mandates - FY21	Other Mandates		G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
216	Physical Security Replacements - FY17	Physical Security		G020	$ 2,719,184	$ -	$ 2,719,184	3/31/2017	84	$2,330,729	$1,942,275	$2,136,502	8.0710%	17.76%	$ 23,441	$ 68,990	6.11%	$ 8,065	$ 23,735
217	Physical Security Replacements - FY17	Physical Security		G286	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
218	Physical Security Replacements - FY17	Physical Security		G423	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
219	Physical Security Replacements - FY18	Physical Security		G020	$ 950,000	$ -	$ 950,000	3/31/2018	84	$950,000	$814,286	$882,143	8.0710%	17.76%	$ 9,190	$ 24,103	6.11%	$ 3,162	$ 8,292
220	All NIMO Physical Security Replacements - FY18	Physical Security		G114	$ 490,000	$ -	$ 490,000	3/31/2018	84	$490,000	$420,000	$455,000	8.0710%	63.00%	$ 16,815	$ 44,100	21.03%	$ 5,613	$ 14,721
221	Physical Security Replacements - FY18	Physical Security		G286	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
222	Physical Security Replacements - FY18	Physical Security		G423	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
223	Physical Security Replacements - FY19	Physical Security		G020	$ -	$ 825,000	$ 825,000	3/31/2019	84	$0	$825,000	$412,500	8.0710%	17.76%	$ 2,682	$ -	6.11%	$ 923	$ -
224	All NIMO Physical Security Replacements - FY19	Physical Security		G114	$ -	$ 275,000	$ 275,000	3/31/2019	84	$0	$275,000	$137,500	8.0710%	63.00%	$ 3,171	$ -	21.03%	$ 1,059	$ -
225	Physical Security Replacements - FY19	Physical Security		G286	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
226	Physical Security Replacements - FY19	Physical Security		G423	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
227	Physical Security Replacements - FY20	Physical Security		G020	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
228	All NIMO Physical Security Replacements - FY20	Physical Security		G114	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0710%	63.00%	$ -	$ -	21.03%	$ -	$ -
229	Physical Security Replacements - FY20	Physical Security		G286	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
230	Physical Security Replacements - FY20	Physical Security		G423	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 4 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent-Depn
231	Physical Security Replacements - FY21	Physical Security		G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
232	All NIMO Physical Security Replacements - FY21	Physical Security		G114	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	63.00%	$ -	$ -	21.03%	$ -	$ -
233	Physical Security Replacements - FY21	Physical Security		G286	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
234	Physical Security Replacements - FY21	Physical Security		G423	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
235	INVP 4451 Gas Transportation System Phase II	PSC Mandate	4451	G225	$ -	$ -	$ -	5/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
236	INVP 4347 NYC Leave on for Landlord Program	PSC Mandate	4347	5220G	$ -	$ -	$ -	7/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
237	INVP 4124 Auto Remote Net Meter	PSC Mandate	4124	C198	$ 3,584,165	$ -	$ 3,584,165	12/31/2017	84	$3,456,159	$2,944,136	$3,200,148	8.0710%	47.71%	$ 89,562	$ 244,286	0.00%	$ -	$ -
238	INVP 3839A NY Retail Access Ph2	PSC Mandate	3839A	C170	$ 5,356,231	$ -	$ 5,356,231	10/31/2017	84	$5,037,408	$4,272,232	$4,654,820	8.0710%	40.06%	$ 109,385	$ 306,529	0.00%	$ -	$ -
239	INVP 4411AB Distributed Generation Portal	PSC Mandate	4411A+B	C198	$ 3,347,611	$ -	$ 3,347,611	11/30/2017	84	$3,188,201	$2,709,971	$2,949,086	8.0710%	47.71%	$ 82,535	$ 228,164	0.00%	$ -	$ -
240	INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170	$ 551,447	$ -	$ 551,447	12/31/2017	84	$531,752	$452,974	$492,363	8.0710%	40.06%	$ 11,570	$ 31,559	0.00%	$ -	$ -
241	INVP 4448 Low Income Order CRIS	PSC Mandate	4448	5220G	$ -	$ -	$ -	12/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
242	INVP 4448 Low Income Order CSS	PSC Mandate	4448	C195	$ 2,489,410	$ -	$ 2,489,410	12/31/2017	84	$2,400,503	$2,044,873	$2,222,688	8.0710%	57.91%	$ 75,505	$ 205,945	0.00%	$ -	$ -
243	INVP 4411C New Electric Connections	PSC Mandate	4411C	C198	$ 444,010	$ 253,990	$ 698,000	4/30/2018	84	$0	$606,595	$303,298	8.0710%	47.71%	$ 4,817	$ 43,609	0.00%	$ -	$ -
244	INVP 4411D New Gas Connections	PSC Mandate	4411D	C210	$ 5,263	$ 890,737	$ 896,000	10/31/2018	84	$0	$842,667	$421,333	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
245	CPE Buyback	Tech. Modernization	4684	G020	$ 5,135,450	$ -	$ 5,135,450	4/1/2017	84	$4,401,814	$3,668,179	$4,034,996	8.0710%	17.76%	$ 44,271	$ 130,294	6.11%	$ 15,231	$ 44,825
246	Active Directory Improvements	Tech. Modernization	4489	G020	$ 275,000	$ -	$ 275,000	3/31/2018	84	$275,000	$235,714	$255,357	8.0710%	17.76%	$ 2,660	$ 6,977	6.11%	$ 915	$ 2,400
247	Application Performance Management (APM)	Tech. Modernization	4490	G020	$ 54,825	$ 288,814	$ 343,638	5/31/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
248	RAS/VPN Re-Platform/Mobile	Tech. Modernization	4269	G020	$ 600,000	$ -	$ 600,000	3/16/2018	84	$592,857	$507,143	$550,000	8.0710%	17.76%	$ 5,730	$ 15,223	6.11%	$ 1,971	$ 5,237
249	US Network Programme	Tech. Modernization	4496	G020	$ 2,237,779	$ 787,221	$ 3,025,000	8/31/2018	84	$0	$2,772,917	$1,386,458	8.0710%	17.76%	$ 8,521	$ 44,770	6.11%	$ 2,932	$ 15,402
250	US VSTIG Programme	Tech. Modernization	4498	G020	$ 2,700,000	$ -	$ 2,700,000	3/31/2018	84	$2,700,000	$2,314,286	$2,507,143	8.0710%	17.76%	$ 26,120	$ 68,503	6.11%	$ 8,986	$ 23,567
251	US Wireless Programme	Tech. Modernization	4499	G020	$ 1,950,000	$ -	$ 1,950,000	3/31/2018	84	$1,950,000	$1,671,429	$1,810,714	8.0710%	17.76%	$ 18,864	$ 49,474	6.11%	$ 6,490	$ 17,021
252	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 65,789	$ 346,576	$ 412,366	5/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
253	RSA Re-platform	Tech. Modernization	4270	G020	$ 40,936	$ 215,648	$ 256,583	5/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
254	Cloud Broker - Hybrid Enablement	Tech. Modernization	3899	G020	$ 250,000	$ -	$ 250,000	3/31/2018	84	$250,000	$214,286	$232,143	8.0710%	17.76%	$ 2,418	$ 6,343	6.11%	$ 832	$ 2,182
255	Office 2010 Upgrade	Tech. Modernization	4265	G020	$ 116,959	$ 616,136	$ 733,095	4/30/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
256	Citrix Infrstructure Upgrade (Xenapp and NetScaler)	Tech. Modernization	4279	G020	$ 318,058	$ 181,942	$ 500,000	4/30/2018	84	$0	$434,524	$217,262	8.0710%	17.76%	$ 1,284	$ 11,629	6.11%	$ 442	$ 4,001
257	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 492,487	$ 2,594,404	$ 3,086,892	4/30/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
258	Data Security	Tech. Modernization	4710	G020	$ -	$ 548,076	$ 548,076	7/30/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
259	Orchestration and Self Service	Tech. Modernization	4726	G020	$ -	$ 252,623	$ 252,623	5/30/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
260	Virtual Desktop - DaaS	Tech. Modernization	4727	G020	$ 349,864	$ 200,136	$ 550,000	9/30/2018	84	$0	$510,714	$255,357	8.0710%	17.76%	$ 1,583	$ 6,977	6.11%	$ 545	$ 2,400
261	SCI connections	Tech. Modernization	4495	G020	$ 63,612	$ 36,388	$ 100,000	9/30/2018	84	$0	$92,857	$46,429	8.0710%	17.76%	$ 288	$ 1,269	6.11%	$ 99	$ 436
262	US SAP: Dynamic Storage Tiering	Tech. Modernization	4560	G020	$ -	$ 456,406	$ 456,406	7/5/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
263	ICE Replacement	Tech. Modernization	4491	G020	$ 2,548,068	$ 767,932	$ 3,316,000	10/31/2018	84	$0	$3,118,619	$1,559,310	8.0710%	17.76%	$ 9,752	$ 35,055	6.11%	$ 3,355	$ 12,060
264	US Network Programme	Tech. Modernization	4496	G020	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
265	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ -	$ -	9/30/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
266	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ -	$ -	9/30/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
267	Data Visualisation Expansion	Tech. Modernization	4606	G020	$ -	$ 943,126	$ 943,126	9/30/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
268	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Modernization	4562	G020	$ -	$ 796,942	$ 796,942	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
269	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
270	MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	G020	$ -	$ 168,415	$ 168,415	4/30/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
271	Improving End User Experience- Cloud based DMZ Service Platform	Tech. Modernization	4723	G020	$ -	$ 300,000	$ 300,000	3/31/2019	84	$0	$300,000	$150,000	8.0710%	17.76%	$ 975	$ -	6.11%	$ 336	$ -
272	Mobile Broadband POC	Tech. Modernization		G020	$ -	$ 100,000	$ 100,000	3/31/2019	84	$0	$100,000	$50,000	8.0710%	17.76%	$ 325	$ -	6.11%	$ 112	$ -
273	FY19 Edge Projects	Tech. Modernization	4717	G020	$ -	$ 336,831	$ 336,831	5/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
274	FY19 Network Projects	Tech. Modernization	4718	G020	$ -	$ 336,831	$ 336,831	5/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
275	Digital Asset Management (DAM)	Tech. Modernization	4711	G020	$ -	$ 168,415	$ 168,415	5/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
276	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ -	$ 1,338,308	$ 1,338,308	3/31/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
277	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ 1,134,653	$ 1,134,653	4/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
278	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ 1,134,653	$ 1,134,653	4/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
279	EUC, network, and data center strategy	Tech. Modernization	4715	G020	$ -	$ 519,682	$ 519,682	4/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
280	Data Security	Tech. Modernization	4710	G020	$ -	$ 530,509	$ 530,509	4/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
281	FY19 Data Centre Projects	Tech. Modernization	4716	G020	$ -	$ 673,662	$ 673,662	4/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
282	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization	4706	G020	$ -	$ 3,300,000	$ 3,300,000	4/1/2019	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
283	US Video Conference Programme	Tech. Modernization	4497	G020	$ -	$ 1,000,000	$ 1,000,000	4/1/2020	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
284	US SAP: Enhancement Pack 9 Upgrade	Tech. Modernization	4564	G020	$ -	$ 1,600,798	$ 1,600,798	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
285	US Network Programme	Tech. Modernization	4496	G020	$ -	$ 530,509	$ 530,509	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
286	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
287	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
288	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
289	Service Now - Release 3	Tech. Modernization	4261	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
290	IS Tools	Tech. Modernization	4513	G020	$ -	$ 173,770	$ 173,770	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
291	FY20 Edge Projects	Tech. Modernization	4720	G020	$ -	$ 665,020	$ 665,020	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
292	FY20 Network Projects	Tech. Modernization	4721	G020	$ -	$ 996,989	$ 996,989	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
293	EMM Licenses	Tech. Modernization	4713	G020	$ -	$ 444,617	$ 444,617	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
294	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ 800,000	$ 800,000	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
295	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ 800,000	$ 800,000	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
296	Data Security	Tech. Modernization	4710	G020	$ -	$ 530,509	$ 530,509	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
297	Hardware and Software Upgrades	Tech. Modernization	4722	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
298	Data Centre Consolidation efforts	Tech. Modernization	4709	G020	$ -	$ 500,000	$ 500,000	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
299	FY20 Data Centre Projects	Tech. Modernization	4719	G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
300	Enterprise Data Management Platform	Tech. Modernization	4582	G020	$ -	$ -	$ -	6/1/2021	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
301	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
302	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
	Total IS				$ 259,929,424	$ 194,639,135	$ 438,454,267			$ 176,588,915	$ 268,875,951	$ 222,732,433			$ 2,250,708	$ 6,364,938		$ 544,406	$ 1,445,417

NIMO E $ 10,605,469

Case 17-E-0238
Appendix 5
Schedule 19
Page 5 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent-Depn
										4/1/2019	3/31/2020		8.0210%	5210E			5210T		
1	Cloud Security	Cyber Security	3683	G020	$ 1,460,000	$ -	$ 1,460,000	3/31/2018	84	$1,251,429	$1,042,857	$1,147,143	8.0210%	17.76%	$ 11,877	$ 37,042	6.11%	$ 4,086.04	$ 12,743.71
2	Risk Based Authentication - 2FA token alternative	Cyber Security	3683	G020	$ 235,080	$ -	$ 235,080	6/1/2018	84	$207,094	$173,511	$190,303	8.0210%	17.76%	$ 1,970	$ 5,964	6.11%	$ 678	$ 2,052
3	INVP 3614D1 Ent Network Security	Cyber Security	3614D1	G020	$ 9,674,142	$ -	$ 9,674,142	11/30/2017	84	$7,831,449	$6,449,428	$7,140,438	8.0210%	17.76%	$ 73,929	$ 245,447	6.11%	$ 25,434	$ 84,441
4	Threat Behavior Modeling	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	7/1/2018	84	$714,286	$600,000	$657,143	8.0210%	17.76%	$ 6,804	$ 20,297	6.11%	$ 2,341	$ 6,983
5	Identity & Access Management :Role Base Access Management (RBAC)	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	6/1/2018	84	$1,453,571	$1,217,857	$1,335,714	8.0210%	17.76%	$ 13,829	$ 41,863	6.11%	$ 4,757.72	$ 14,402.14
6	Enhanced DLP Gateway and Endpoint	Cyber Security	3683	G020	$ 2,238,480	$ -	$ 2,238,480	10/1/2018	84	$2,078,589	$1,758,806	$1,918,697	8.0210%	17.76%	$ 19,865	$ 56,793	6.11%	$ 6,834	$ 19,539
7	INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020	$ 4,829,586	$ -	$ 4,829,586	12/31/2017	84	$3,967,160	$3,277,219	$3,622,189	8.0210%	17.76%	$ 37,502	$ 122,533	6.11%	$ 12,902	$ 42,155
8	INVP 3614E4 US CNI Security R&E	Cyber Security	3614E4	G020	$ 1,340,144	$ -	$ 1,340,144	12/31/2017	84	$1,100,833	$909,384	$1,005,108	8.0210%	17.76%	$ 10,406	$ 34,001	6.11%	$ 3,580.13	$ 11,697.54
9	US CNI Intrusion Detection/Prevention Phase 1	Cyber Security	3683	G020	$ 550,000	$ -	$ 550,000	7/31/2018	84	$497,619	$419,048	$458,333	8.0210%	17.76%	$ 4,745	$ 13,954	6.11%	$ 1,632.55	$ 4,800.71
10	Identity & Access Management: Fine Gain Access Management	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	8/31/2018	84	$1,512,500	$1,276,786	$1,394,643	8.0210%	17.76%	$ 14,439	$ 41,863	6.11%	$ 4,968	$ 14,402
11	vStig Scaling Upgrades	Cyber Security	3683	G020	$ 1,000,000	$ -	$ 1,000,000	8/1/2018	84	$904,762	$761,905	$833,333	8.0210%	17.76%	$ 8,628	$ 25,371	6.11%	$ 2,968	$ 8,729
12	IT/OT Discovery and Implementation Phase 1	Cyber Security	3683	G020	$ 5,224,017	$ 275,983	$ 5,500,000	6/1/2019	84	$0	$4,845,238	$2,422,619	8.0210%	17.76%	$ 14,380	$ 116,286	6.11%	$ 4,947	$ 40,006
13	Security Research Lab	Cyber Security	3683	G020	$ 297,820	$ 27,180	$ 325,000	6/1/2019	84	$0	$286,310	$143,155	8.0210%	17.76%	$ 850	$ 6,871	6.11%	$ 292	$ 2,364
14	US CNI Security Enhancements Phase 1	Cyber Security	3683	G020	$ 1,512,008	$ 137,992	$ 1,650,000	6/1/2019	84	$0	$1,453,571	$726,786	8.0210%	17.76%	$ 4,314	$ 34,886	6.11%	$ 1,484	$ 12,002
15	Identity & Access Management: Privileged Access Management	Cyber Security	3683	G020	$ 1,740,000	$ -	$ 1,740,000	3/31/2019	84	$1,740,000	$1,491,429	$1,615,714	8.0210%	17.76%	$ 16,728	$ 44,146	6.11%	$ 5,755	$ 15,188
16	Domain Based Security Phase 1	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	3/31/2019	84	$800,000	$685,714	$742,857	8.0210%	17.76%	$ 7,691	$ 20,297	6.11%	$ 2,646	$ 6,983
17	Security Incident Event Management Phase 4	Cyber Security	3683	G020	$ 1,120,783	$ 145,517	$ 1,266,300	5/1/2019	84	$0	$1,100,475	$550,238	8.0210%	17.76%	$ 3,233	$ 29,451	6.11%	$ 1,112	$ 10,132
18	Big Data Security Analytics Phase 1	Cyber Security	3683	G020	$ 4,090,466	$ 531,086	$ 4,621,552	5/1/2019	84	$0	$4,016,349	$2,008,174	8.0210%	17.76%	$ 11,799	$ 107,484	6.11%	$ 4,059	$ 36,978
19	US CNI Intrusion Detection/Prevention Phase 2	Cyber Security	3683	G020	$ 269,465	$ 530,535	$ 800,000	3/31/2020	84	$0	$800,000	$400,000	8.0210%	17.76%	$ 2,585	$ -	6.11%	$ 889	$ -
20	Identity & Access Management: Shared Area Access Management	Cyber Security	3683	G020	$ 586,086	$ 1,153,914	$ 1,740,000	3/31/2020	84	$0	$1,740,000	$870,000	8.0210%	17.76%	$ 5,622	$ -	6.11%	$ 1,934	$ -
21	Security Incident Event Management Phase 5	Cyber Security	3683	G020	$ 246,948	$ 286,869	$ 533,616	5/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
22	Domain Based Security Phase 2	Cyber Security	3683	G020	$ 1,400,000	$ 2,484,896	$ 3,884,896	4/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
23	Security Incident Event Management (SIEM) 6	Cyber Security	3683	G020	$ 246,948	$ 277,723	$ 524,670	5/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
24	Big Data Security Analytics - Phase 2	Cyber Security	3683	G020	$ 500,000	$ 2,188,347	$ 2,688,347	5/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
25	IT/OT Discovery and Implementation: Phase 2	Cyber Security	3683	G020	$ -	$ 2,651,651	$ 2,651,651	10/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
26	US CNI Security Enhancements - Phase 2	Cyber Security	3683	G020	$ -	$ 1,500,077	$ 1,500,077	11/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
27	Data Visualization	Cyber Security	3683	G020	$ -	$ 378,807	$ 378,807	12/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
28	INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	C277	$ -	$ -	$ -	5/26/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
29	INVP 4045 Double Pole Mgmt DB	FY18 Plan	4045	G198	$ 432,455	$ -	$ 432,455	3/4/2017	84	$303,748	$241,969	$272,858	8.0210%	41.93%	$ 6,817	$ 25,904	0.00%	$ -	$ -
30	INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	G020	$ 259,667	$ -	$ 259,667	2/20/2017	84	$182,385	$145,290	$163,838	8.0210%	17.76%	$ 1,734	$ 6,588	6.11%	$ 596	$ 2,267
31	INVP 3955 EJ Ward Upgrade	FY18 Plan	3955	G235	$ -	$ -	$ -	3/7/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
32	INVP 4188 Aging System Stabilize	FY18 Plan	4188	G148	$ 854,204	$ -	$ 854,204	12/1/2017	84	$691,498	$569,469	$630,484	8.0210%	18.77%	$ 6,899	$ 22,905	6.43%	$ 2,363	$ 7,846
33	INVP 4280 US VS TIG Bandwidth Ph2	FY18 Plan	4280	G020	$ 2,256,401	$ -	$ 2,256,401	12/1/2017	84	$1,826,610	$1,504,267	$1,665,439	8.0210%	17.76%	$ 17,243	$ 57,248	6.11%	$ 5,932	$ 19,695
34	INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	G020	$ 13,464,281	$ -	$ 13,464,281	7/31/2017	84	$10,258,500	$8,335,031	$9,296,766	8.0210%	17.76%	$ 100,136	$ 341,608	6.11%	$ 34,450	$ 117,524
35	INVP 4364 Wireless Network	FY18 Plan	4364	G020	$ 2,303,959	$ -	$ 2,303,959	3/31/2018	84	$1,974,822	$1,645,685	$1,810,253	8.0210%	17.76%	$ 18,742	$ 58,455	6.11%	$ 6,448	$ 20,110
36	S005242 M112 Systemic Improvement	FY18 Plan		G020	$ 8,275,650	$ -	$ 8,275,650	12/1/2017	120	$7,172,230	$6,344,665	$6,758,447	8.0210%	17.76%	$ 69,974	$ 146,976	6.11%	$ 24,073	$ 50,564
37	INVP 4289 US Network Improvement	FY18 Plan	4289	G020	$ 1,336,479	$ -	$ 1,336,479	12/1/2017	84	$1,081,912	$890,986	$986,449	8.0210%	17.76%	$ 10,213	$ 33,908	6.11%	$ 3,514	$ 11,666
38	HANA License Costs	FY18 Plan	4649	G020	$ 3,826,068	$ -	$ 3,826,068	3/31/2017	84	$2,732,906	$2,186,325	$2,459,615	8.0210%	17.76%	$ 26,017	$ 97,073	6.11%	$ 8,951	$ 33,396
39	Microsoft ELA Renewal	FY18 Plan	4642	G020	$ 3,207,476	$ -	$ 3,207,476	3/31/2017	84	$2,291,054	$1,832,843	$2,061,949	8.0210%	17.76%	$ 21,811	$ 81,378	6.11%	$ 7,504	$ 27,997
40	Mobile Device Refresh - FY17	FY18 Plan	4671	G020	$ 4,138,561	$ -	$ 4,138,561	3/31/2017	84	$2,956,115	$2,364,892	$2,660,503	8.0210%	17.76%	$ 28,142	$ 105,001	6.11%	$ 9,682	$ 36,124
41	Zscaler	FY18 Plan	4681	G020	$ 2,100,000	$ -	$ 2,100,000	4/1/2018	84	$1,800,000	$1,500,000	$1,650,000	8.0210%	17.76%	$ 17,083	$ 53,280	6.11%	$ 5,877	$ 18,330
42	INVP 2577C ArcFM Software Upgrade	FY18 Plan	2577C	G112	$ -	$ -	$ -	4/10/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
43	INVP 4631 Box Enablement	FY18 Plan	4631	G020	$ 254,000	$ -	$ 254,000	3/31/2018	84	$217,714	$181,429	$199,571	8.0210%	17.76%	$ 2,066	$ 6,444	6.11%	$ 711	$ 2,217
44	INVP 4170 Time Transformation	FY18 Plan	4170	G020	$ 2,676,143	$ -	$ 2,676,143	4/30/2017	84	$1,943,389	$1,561,083	$1,752,236	8.0210%	17.76%	$ 18,913	$ 67,898	6.11%	$ 6,507	$ 23,339
45	INVP 4420 US CNI OMS FocalPoint Infrastructure Upgrade	FY18 Plan	4420	G198	$ 705,521	$ -	$ 705,521	5/23/2017	84	$520,742	$419,953	$470,347	8.0210%	41.93%	$ 11,977	$ 42,261	0.00%	$ -	$ -
46	INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G020	$ 608,000	$ -	$ 608,000	3/31/2018	84	$521,143	$434,286	$477,714	8.0210%	17.76%	$ 4,946	$ 15,426	6.11%	$ 1,702	$ 5,307
47	US Video Conferencing upgrade for RW	FY18 Plan	4632	G020	$ 1,702,730	$ -	$ 1,702,730	7/31/2017	84	$1,297,318	$1,054,071	$1,175,695	8.0210%	17.76%	$ 12,663	$ 43,201	6.11%	$ 4,357	$ 14,862
48	Hix D/C Improvement Server Refresh	FY18 Plan	4676	G020	$ 1,000,000	$ -	$ 1,000,000	3/31/2018	84	$857,143	$714,286	$785,714	8.0210%	17.76%	$ 8,135	$ 25,371	6.11%	$ 2,799	$ 8,729
49	INVP 4464 Data Visualization	FY18 Plan	4464	G020	$ 7,067,413	$ -	$ 7,067,413	11/30/2017	84	$5,721,239	$4,711,609	$5,216,424	8.0210%	17.76%	$ 54,008	$ 179,310	6.11%	$ 18,581	$ 61,688
50	Mobility - (MDM) Mobile Device	FY18 Plan	3430	G020	$ 1,162,000	$ -	$ 1,162,000	2/1/2018	84	$968,333	$802,333	$885,333	8.0210%	17.76%	$ 9,166	$ 29,482	6.11%	$ 3,153	$ 10,143
51	Changes to ACIS for PMCC Civil Vendor Billing	FY18 Plan	4487	G186	$ 382,000	$ -	$ 382,000	12/2/2017	84	$309,238	$254,667	$281,952	8.0210%	30.74%	$ 5,053	$ 16,775	10.99%	$ 1,806	$ 5,997
52	INVP 4461 Unix51 Interface Migration	FY18 Plan	4461	G020	$ 1,386,701	$ -	$ 1,386,701	3/1/2018	84	$1,172,093	$973,992	$1,073,042	8.0210%	17.76%	$ 11,110	$ 35,183	6.11%	$ 3,822	$ 12,104
53	INVP 4287 Active Directory Upgrade	FY18 Plan	4287	G020	$ 804,825	$ -	$ 804,825	1/30/2018	84	$670,688	$555,713	$613,200	8.0210%	17.76%	$ 6,349	$ 20,420	6.11%	$ 2,184	$ 7,025
54	US Control-Gas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480	G210	$ 496,672	$ 45,328	$ 542,000	5/1/2019	84	$0	$471,024	$235,512	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
55	Enterprise Labs	FY18 Plan	4693	G020	$ 668,000	$ -	$ 668,000	10/30/2017	84	$532,810	$437,381	$485,095	8.0210%	17.76%	$ 5,022	$ 16,948	6.11%	$ 1,728	$ 5,831
56	Cascade Electric Application Upgrade Project	FY18 Plan	3986	G198	$ 375,000	$ -	$ 375,000	10/31/2017	84	$299,107	$245,536	$272,321	8.0210%	41.93%	$ 6,657	$ 22,463	0.00%	$ -	$ -
57	INVP 4408 Doc Mgmt Systems Replacement Delivery	FY18 Plan	4408	G149	$ 3,855,044	$ -	$ 3,855,044	11/1/2017	84	$3,074,856	$2,524,136	$2,799,496	8.0210%	17.88%	$ 29,180	$ 98,469	6.15%	$ 10,037	$ 33,869
58	WIFI for Fleet Services Diagnostic Laptops	FY18 Plan	3956	G352	$ 838,000	$ -	$ 838,000	11/1/2017	84	$668,405	$548,690	$608,548	8.0210%	17.94%	$ 6,364	$ 21,477	6.17%	$ 2,189	$ 7,386
59	Gas Service Database - UNY	FY18 Plan	3949	5210G	$ 325,000	$ -	$ 325,000	12/1/2017	84	$263,095	$216,667	$239,881	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
60	Gas Service Database - DNY (LI and NYC)	FY18 Plan	3948	G225	$ -	$ -	$ -	12/4/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
61	Substation Monitoring-DobleARMS	FY18 Plan	3982	G381	$ -	$ -	$ -	1/1/2018	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
62	Gas Capital Investment Planning Tool	FY18 Plan	4466	G210	$ 524,163	$ 47,837	$ 572,000	9/1/2019	84	$0	$524,333	$262,167	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
63	Computapole Enhancements to Support Inspection Types	FY18 Plan	4462	G186	$ 412,366	$ 37,634	$ 450,000	9/1/2019	84	$0	$412,500	$206,250	8.0210%	30.74%	$ 2,180	$ 11,528	10.99%	$ 780	$ 4,121
64	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	G020	$ 1,128,966	$ 103,034	$ 1,232,000	9/1/2019	84	$0	$1,129,333	$564,667	8.0210%	17.76%	$ 3,449	$ 18,234	6.11%	$ 1,187	$ 6,273
65	Ageing System Stabilization/Upgrades - FY18	FY18 Plan	4389	G148	$ 1,374,553	$ 125,447	$ 1,500,000	6/30/2019	84	$0	$1,339,286	$669,643	8.0210%	18.77%	$ 4,243	$ 30,166	6.43%	$ 1,453	$ 10,334
66	INVP 3486 US MDS-Itron Enterprise Edition (IEE)	FY18 Plan	3486	G186	$ 758,544	$ -	$ 758,544	3/31/2018	84	$650,180	$541,817	$595,999	8.0210%	30.74%	$ 10,681	$ 33,311	10.99%	$ 3,818	$ 11,909
67	INVP 4390 Plastic Fusion II	FY18 Plan	4390	G210	$ 506,000	$ -	$ 506,000	3/31/2018	84	$433,714	$361,429	$397,571	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
68	INVP 4397 Ariba TLS and CI Update	FY18 Plan	4397	G020	$ 1,602,226	$ -	$ 1,602,226	3/31/2018	120	$1,442,003	$1,281,781	$1,361,892	8.0210%	17.76%	$ 14,100	$ 28,456	6.11%	$ 4,851	$ 9,790
69	US Mobile Device Refresh	FY18 Plan	4395	G020	$ 4,500,000	$ -	$ 4,500,000	3/31/2018	84	$3,857,143	$3,214,286	$3,535,714	8.0210%	17.76%	$ 50,367	$ 114,171	6.11%	$ 17,328	$ 39,279
70	US SAP: Infrastructure Landscape	FY18 Plan	4348	G020	$ 4,142,700	$ -	$ 4,142,700	3/31/2018	84	$3,550,886	$2,959,071	$3,254,979	8.0210%	17.76%	$ 33,700	$ 105,106	6.11%	$ 11,594	$ 36,160
71	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ 9,207,521	$ -	$ 9,207,521	3/31/2018	84	$7,892,161	$6,576,801	$7,234,481	8.0210%	30.74%	$ 129,645	$ 404,342	10.99%	$ 46,350	$ 144,558
72	US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	4568	U186	$ 3,213,537	$ -	$ 3,213,537	3/31/2018	84	$2,754,461	$2,295,384	$2,524,922	8.0210%	26.20%	$ 38,565	$ 120,278	35.42%	$ 52,136	$ 162,605
73	Network Transformation Completion - CEMS	FY18 Plan	4647	G020	$ 204,092	$ 20,908	$ 225,000	5/1/2019	84	$0	$195,536	$97,768	8.0210%	17.76%	$ 574	$ 5,233	6.11%	$ 198	$ 1,800
74	Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020	$ 675,000	$ -	$ 675,000	3/31/2018	84	$578,571	$482,143	$530,357	8.0210%	17.76%	$ 5,491	$ 17,126	6.11%	$ 1,889	$ 5,892
75	Aged Printer refresh	FY18 Plan	4689	G020	$ 45,000	$ -	$ 45,000	3/31/2018	84	$38,571	$32,143	$35,357	8.0210%	17.76%	$ 366	$ 1,142	6.11%	$ 126	$ 393

Case 17-E-0238
Appendix 5
Schedule 19
Page 6 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

											4/1/2019	3/31/2020		8.0210%	5210E				5210T		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
76	RSA Token refresh	FY18 Plan	4683	G020	$ 536,718	$ -	$ 536,718	3/31/2017	84	$383,370	$306,696	$345,033	8.0210%	17.76%	$ 3,650	$ 13,617	6.11%	$ 1,256	$ 4,685
77	Load and DER Forecasting (Acquisition of Remote Sensing Data - Mass)	FY18 Plan	4670	C310	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
78	INVP4449 - EPA File	FY18 Plan	4449	C170	$ 630,000	$ -	$ 630,000	3/31/2018	84	$540,000	$450,000	$495,000	8.0210%	40.06%	$ 11,560	$ 36,054	0.00%	$ -	$ -
79	Informatica Upgrade/Microstrategy Replacement Program	FY18 Plan	4469	G020	$ 3,164,400	$ -	$ 3,164,400	5/1/2018	84	$2,750,014	$2,297,957	$2,523,986	8.0210%	17.76%	$ 26,132	$ 80,285	6.11%	$ 8,990	$ 27,621
80	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	FY18 Plan	3932	C175	$ 23,566,011	$ -	$ 23,566,011	8/31/2018	84	$21,602,177	$18,235,604	$19,918,890	8.0210%	23.28%	$ 270,319	$ 783,711	0.00%	$ -	$ -
81	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	FY18 Plan	4481	G186	$ 654,799	$ 1,289,201	$ 1,944,000	5/1/2019	84	$0	$1,689,429	$844,714	8.0210%	30.74%	$ 8,590	$ 78,255	10.99%	$ 3,071	$ 27,977
82	INVP 4398 Storms/ISched Upgrade	FY18 Plan	4398	G160	$ 8,960,280	$ -	$ 8,960,280	12/15/2018	84	$8,533,600	$7,253,560	$7,893,580	8.0210%	27.24%	$ 125,350	$ 348,683	9.63%	$ 44,314	$ 123,268
83	General Ledger Interface CRIS SAP	FY18 Plan	4486	C343	$ -	$ -	$ -	3/1/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
84	STORMS Capital Cost Estimates	FY18 Plan	4467	G148	$ 235,243	$ 463,157	$ 698,400	5/1/2019	84	$0	$606,943	$303,471	8.0210%	18.77%	$ 1,884	$ 17,167	6.43%	$ 646	$ 5,881
85	CRIS Data Archival	FY18 Plan	4485	C343	$ -	$ -	$ -	4/1/2019	84	$0	$0	$0	8.0210%	0.00%	-	$ -	0.00%	$ -	$ -
86	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0210%	30.74%	$ -	$ -	10.99%	$ -	$ -
87	Inventory Management Handheld Devices	FY18 Plan		G020	$ 129,283	$ -	$ 129,283	3/31/2017	84	$92,345	$73,876	$83,111	8.0210%	17.76%	$ 879	$ 3,280	6.11%	$ 302	$ 1,128
88	Customer Bill Redesign	FY18 Plan	4704Q	H173	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0210%	19.12%	$ -	$ -	0.00%	$ -	$ -
89	INVP 3737 US CNI GMS SCADA Upgrade &	FY18 Plan	3737	C210	$ 18,308,477	$ 5,028,785	$ 23,337,262	3/31/2020	84	$0	$23,337,262	$11,668,631	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
90	Cisco Prime	FY18 Plan	4679	G020	$ 216,000	$ 216,000	$ 432,000	5/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
91	Contractor Management Modernization	FY18 Plan	4151	G327	$ 300,000	$ 2,866,892	$ 3,166,892	10/15/2022	84	$0	$0	$0	8.0210%	18.70%	$ -	$ -	6.41%	$ -	$ -
92	Risk Management (Tx Mains & Dx Mains)	GBE- Asset Management	4572	C210	$ 1,899,720	$ -	$ 1,899,720	12/1/2017	120	$1,646,424	$1,456,452	$1,551,438	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
93	AM Program Leadership-1	GBE- Asset Management	4572	C210	$ 249,412	$ -	$ 249,412	3/1/2018	120	$222,392	$197,451	$209,921	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
94	Enhancements	GBE- Asset Management	4572	C210	$ 2,394,788	$ -	$ 2,394,788	12/1/2018	120	$2,214,961	$2,075,483	$2,195,222	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
95	Additional IM Modules	GBE- Asset Management	4572	C210	$ 543,810	$ 112,606	$ 647,971	2/1/2019	120	$637,171	$572,374	$604,773	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
96	AM Program Leadership-2	GBE- Asset Management	4572	C210	$ 358,808	$ -	$ 358,808	3/1/2019	120	$335,818	$319,937	$337,878	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
97	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	GBE- Asset Management	4572	C210	$ 7,568,565	$ 2,902,242	$ 10,253,139	3/1/2019	120	$10,167,696	$9,142,382	$9,655,039	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
98	EAM-FIN Integration	GBE- Asset Management	4572	C210	$ 881,466	$ 798,695	$ 1,620,259	6/1/2019	120	$0	$1,485,238	$742,619	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
99	Integrity Management Integrations	GBE- Asset Management	4572	C210	$ 334,682	$ 716,243	$ 997,206	10/1/2019	120	$0	$947,346	$473,673	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
100	AM Program Leadership-3	GBE- Asset Management	4572	C210	$ -	$ 408,336	$ 377,711	3/1/2020	120	$0	$374,563	$187,282	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
101	Design (GWD), Estimating (CU), & Mobility	GBE- Asset Management	4572	C210	$ 1,556,366	$ 4,920,570	$ 6,107,893	9/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
102	Asset Analytics Integration	GBE- Asset Management	4572	C210	$ -	$ -	$ -	12/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
103	GIS (GWD/CU) - PPM Integration	GBE- Asset Management	4572	C210	$ -	$ -	$ -	12/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
104	GIS-EAM Integration	GBE- Asset Management	4572	C210	$ 1,125,000	$ 3,286,424	$ 4,164,942	12/2/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
105	AM Program Leadership-4	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
106	Use Case No.1 - Asset Risk	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
107	Complex Design (CAD) & Estimating (ESW)	GBE- Asset Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
108	Program Learning Management-1	GBE- Business Enablement	4572	C210	$ 105,567	$ -	$ 105,567	3/1/2018	120	$94,131	$83,574	$88,852	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
109	Program Transformational Change Office-1	GBE- Business Enablement	4572	C210	$ 620,139	$ -	$ 620,139	3/1/2018	120	$552,957	$490,943	$521,950	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
110	Program Business Sustainment-1	GBE- Business Enablement	4572	C210	$ 62,655	$ -	$ 62,655	3/1/2019	120	$62,133	$55,868	$59,000	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
111	Program Learning Management-2	GBE- Business Enablement	4572	C210	$ 117,190	$ -	$ 117,190	3/1/2019	120	$116,213	$104,494	$110,354	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
112	Program Transformational Change Office -2	GBE- Business Enablement	4572	C210	$ 1,364,679	$ -	$ 1,364,679	3/1/2019	120	$1,353,306	$1,216,839	$1,285,072	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
113	Program Learning Management-3	GBE- Business Enablement	4572	C210	$ -	$ 173,060	$ 160,081	3/1/2020	120	$0	$158,747	$79,373	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
114	Program Transformational Change Office-3	GBE- Business Enablement	4572	C210	$ -	$ 368,704	$ 341,051	3/1/2020	120	$0	$338,209	$169,105	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
115	Program Business Sustainment-2	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
116	Program Learning Management-4	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
117	Program Transformational Change Office-4	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
118	Customer Experience Program Leadership-1	GBE- Customer Engagement	4572	C210	$ 234,206	$ -	$ 234,206	3/1/2019	120	$232,254	$208,834	$220,544	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
119	CxT Portal & Channel Management	GBE- Customer Engagement	4572	C210	$ 6,011,719	$ 5,195,313	$ 10,817,383	6/1/2019	120	$0	$9,915,934	$4,957,967	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
120	Customer Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 1,602,424	$ 3,016,074	$ 4,392,293	10/1/2019	120	$0	$4,172,678	$2,086,339	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
121	Employee Support Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 3,484,256	$ 4,082,735	$ 7,260,786	10/1/2019	120	$0	$6,897,747	$3,448,873	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
122	Customer Experience Program Leadership-2	GBE- Customer Engagement	4572	C210	$ -	$ 266,277	$ 246,306	3/1/2020	120	$0	$244,254	$122,127	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
123	CRM / Contact Center	GBE- Customer Engagement	4572	C210	$ 13,680,000	$ 3,800,000	$ 17,195,000	6/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
124	Large Commercial & Landlord Interaction	GBE- Customer Engagement	4572	C210	$ 14,150	$ 19,653	$ 32,329	7/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
125	Employee Support Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	7/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
126	Customer Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	1/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
127	Customer Experience Program Leadership-3	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
128	Data Management Implementation (Quality & Cleansing)	GBE- Data Management	4572	C210	$ 9,990,000	$ -	$ 9,990,000	12/1/2017	120	$8,658,000	$7,659,000	$8,158,500	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
129	Data Management & Governance Program Leadership-1	GBE- Data Management	4572	C210	$ 53,001	$ -	$ 53,001	3/1/2018	120	$47,259	$41,959	$44,609	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
130	Enable the Data Archive Process	GBE- Data Management	4572	C210	$ 1,900,724	$ 67,564	$ 1,963,221	3/1/2019	120	$1,946,861	$1,750,539	$1,848,700	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
131	Data Management & Governance Program Leadership-2	GBE- Data Management	4572	C210	$ 79,159	$ -	$ 79,159	3/1/2019	120	$78,499	$70,583	$74,541	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
132	Data Management & Governance Program Leadership-3	GBE- Data Management	4572	C210	$ -	$ 89,713	$ 82,985	3/1/2020	120	$0	$82,293	$41,146	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
133	PowerPlan Architecture Enhancements	GBE- Information Services Enabling	4572	C210	$ 5,472,100	$ -	$ 5,472,100	11/1/2017	120	$4,696,886	$4,149,676	$4,423,281	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
134	Comprehensive Integration Services (Enhancements)	GBE- Information Services Enabling	4572	C210	$ 70,762	$ -	$ 70,762	12/1/2017	120	$61,327	$54,251	$57,789	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
135	Application (Environment) Infrastructure	GBE- Information Services Enabling	4572	C210	$ 1,956,969	$ -	$ 1,956,969	12/1/2017	120	$1,696,040	$1,500,343	$1,598,191	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
136	Development Operations & BPA Enablement-1	GBE- Information Services Enabling	4572	C210	$ 2,613,528	$ -	$ 2,613,528	3/1/2018	120	$2,330,396	$2,069,043	$2,199,720	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
137	SAP and Application Integration Development- Release 1-1	GBE- Information Services Enabling	4572	C210	$ 4,288,668	$ -	$ 4,288,668	3/1/2018	120	$3,824,063	$3,395,196	$3,609,629	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
138	Mobility CoE & End-User Computing-1	GBE- Information Services Enabling	4572	C210	$ 544,311	$ -	$ 544,311	3/1/2018	120	$485,344	$430,913	$458,128	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
139	Operations/System Monitoring	GBE- Information Services Enabling	4572	C210	$ 951,992	$ -	$ 951,992	8/1/2018	120	$888,526	$793,326	$840,926	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
140	Development Operations & BPA Enablement-2	GBE- Information Services Enabling	4572	C210	$ 2,305,810	$ -	$ 2,305,810	3/1/2019	120	$2,286,595	$2,056,014	$2,171,304	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
141	SAP and Application Integration Development- Release 1-2	GBE- Information Services Enabling	4572	C210	$ 4,093,351	$ -	$ 4,093,351	3/1/2019	120	$4,059,240	$3,649,905	$3,854,572	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
142	SAP and Application Integration Development- Release 2-1	GBE- Information Services Enabling	4572	C210	$ 4,550,140	$ -	$ 4,550,140	3/1/2019	120	$4,512,223	$4,057,208	$4,284,716	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
143	Mobility CoE & End-User Computing-2	GBE- Information Services Enabling	4572	C210	$ 828,483	$ -	$ 828,483	3/1/2019	120	$821,578	$738,730	$780,154	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
144	Development Operations & BPA Enablement-3	GBE- Information Services Enabling	4572	C210	$ -	$ 2,164,144	$ 2,001,833	3/1/2020	120	$0	$1,985,151	$992,576	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
145	SAP and Application Integration Development- Release 1-3	GBE- Information Services Enabling	4572	C210	$ -	$ 600,000	$ 555,000	3/1/2020	120	$0	$550,375	$275,188	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
146	SAP and Application Integration Development- Release 2-2	GBE- Information Services Enabling	4572	C210	$ -	$ 4,397,065	$ 4,067,285	3/1/2020	120	$0	$4,033,391	$2,016,695	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
147	SAP and Application Integration Development- Release 3-1	GBE- Information Services Enabling	4572	C210	$ -	$ 85,915	$ 79,471	3/1/2020	120	$0	$78,809	$39,404	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
148	Mobility CoE & End-User Computing-3	GBE- Information Services Enabling	4572	C210	$ -	$ 1,031,843	$ 954,455	3/1/2020	120	$0	$946,501	$473,250	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
149	Test Automation Implementation	GBE- Information Services Enabling	4572	C210	$ 1,372,852	$ 763,643	$ 2,079,221	12/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
150	Development Operations & BPA Enablement-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 7 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
151	SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
152	SAP and Application Integration Development- Release 3-2	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
153	Mobility CoE & End-User Computing-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
154	Portfolio Management Leadership-1	GBE- Portfolio Office	4572	C210	$ 1,481,327	$ -	$ 1,481,327	3/1/2018	120	$1,320,850	$1,172,717	$1,246,784	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
155	Solution Architects & Agile Coaches-1	GBE- Portfolio Office	4572	C210	$ 1,762,449	$ -	$ 1,762,449	3/1/2018	120	$1,571,517	$1,395,272	$1,483,395	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
156	Portfolio Management Leadership-2	GBE- Portfolio Office	4572	C210	$ 1,930,034	$ -	$ 1,930,034	3/1/2019	120	$1,913,950	$1,720,947	$1,817,448	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
157	Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C210	$ 3,568,169	$ -	$ 3,568,169	3/1/2019	120	$3,538,434	$3,181,617	$3,360,026	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
158	Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C210	$ -	$ 2,161,221	$ 1,999,129	3/1/2020	120	$0	$1,982,470	$991,235	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
159	Solution Architects & Agile Coaches-3	GBE- Portfolio Office	4572	C210	$ -	$ 2,824,290	$ 2,612,469	3/1/2020	120	$0	$2,590,698	$1,295,349	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
160	Portfolio Management Leadership-4	GBE- Portfolio Office	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
161	Regulatory/Compliance	GBE- Regulatory and Compliance	4572	C210	$ 2,025,000	$ 750,000	$ 2,718,750	9/1/2019	120	$0	$2,560,156	$1,280,078	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
162	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ 508,541	$ -	$ 508,541	3/1/2019	120	$504,303	$453,449	$478,876	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
163	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ -	$ 235,258	$ 217,614	3/1/2020	120	$0	$215,800	$107,900	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
164	Business Architecture Design	GBE- Work Management	4572	C210	$ 2,703,676	$ -	$ 2,703,676	12/1/2017	120	$2,343,186	$2,072,819	$2,208,002	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
165	WMFE Program Leadership-1	GBE- Work Management	4572	C210	$ 210,612	$ -	$ 210,612	3/1/2018	120	$187,795	$166,734	$177,265	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
166	Corrosion and I&R Work	GBE- Work Management	4572	C210	$ 22,210,426	$ 1,801,402	$ 23,876,723	7/1/2018	120	$22,085,969	$19,698,296	$20,892,132	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
167	CU Governance & Library - process	GBE- Work Management	4572	C210	$ 1,492,595	$ -	$ 1,492,595	11/1/2018	120	$1,430,404	$1,281,144	$1,355,774	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
168	WMFE Program Leadership-2	GBE- Work Management	4572	C210	$ 507,323	$ -	$ 507,323	3/1/2019	120	$503,095	$452,363	$477,729	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
169	Company Driven Work: Collections and non-Appointment Offs - Gas	GBE- Work Management	4572	C210	$ 3,725,761	$ 1,170,911	$ 4,008,853	10/1/2019	120	$0	$4,568,411	$2,284,205	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
170	Company Driven Work: Collections and non-Appointment Offs - Electric	GBE- Work Management	4572	C198	$ 2,006,178	$ 630,490	$ 2,589,382	10/1/2019	120	$0	$2,453,912	$1,229,956	8.0210%	47.71%	$ 20,673	$ 61,770	0.00%	$ -	$ -
171	Customer, Leak Investigation & Inspections - Gas	GBE- Work Management	4572	C210	$ 9,077,769	$ 10,288,028	$ 18,594,195	10/1/2019	120	$0	$17,664,485	$8,832,243	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
172	Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	$ 4,888,029	$ 5,539,707	$ 10,012,258	10/1/2019	120	$0	$9,511,645	$4,755,822	8.0210%	47.71%	$ 79,937	$ 238,842	0.00%	$ -	$ -
173	WMFE Program Leadership-3	GBE- Work Management	4572	C210	$ -	$ 595,004	$ 550,379	3/1/2020	120	$0	$545,792	$272,896	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
174	PowerPlan Integration & Enhancements	GBE- Work Management	4572	C210	$ -	$ 915,441	$ 846,783	6/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
175	Construction Work & Leak Repair	GBE- Work Management	4572	C210	$ 1,649,290	$ 7,167,604	$ 8,279,323	9/1/2020	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
176	WMFE Program Leadership-4	GBE- Work Management	4572	C210	$ -	$ -	$ -	3/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
177	Work Forecasting & Planning - solution	GBE- Work Management	4572	C210	$ -	$ -	$ -	5/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
178	Core Projects & Program Management	GBE- Work Management	4572	C210	$ -	$ -	$ -	6/1/2021	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
179	WMFE Optimization	GBE- Work Management	4572	C210	$ -	$ 346,828	$ 320,816	3/1/2022	120	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
180	Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT	4426	C175	$ 673,662	$ 1,326,338	$ 2,000,000	10/31/2019	84	$0	$1,880,952	$940,476	8.0210%	23.28%	$ 7,662	$ 27,713	0.00%	$ -	$ -
181	Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	$ 2,863,062	$ 5,636,938	$ 8,500,000	9/1/2019	84	$0	$7,791,667	$3,895,833	8.0210%	23.28%	$ 31,190	$ 164,894	0.00%	$ -	$ -
182	Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance	4222	G020	$ 1,540,000	$ -	$ 1,540,000	3/1/2019	84	$1,521,667	$1,301,667	$1,411,667	8.0210%	17.76%	$ 14,616	$ 39,072	6.11%	$ 5,028	$ 13,442
183	US SAP: Business Planning	Growth Play Book-Finance	4217	G020	$ 4,643,000	$ -	$ 4,643,000	3/31/2019	84	$4,643,000	$3,973,714	$4,311,357	8.0210%	17.76%	$ 44,638	$ 117,800	6.11%	$ 15,357	$ 40,527
184	US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	G020	$ 442,933	$ 872,067	$ 1,315,000	10/30/2019	84	$0	$1,236,726	$618,363	8.0210%	17.76%	$ 3,843	$ 13,901	6.11%	$ 1,322	$ 4,783
185	DRMS for C&I Demand Response	NY REV / Grid Mod		5210E	$ 1,190,159	$ 2,239,474	$ 3,429,633	5/1/2019	36	$0	$2,381,690	$1,190,845	8.0210%	100.00%	$ 31,845	$ 1,047,943	0.00%	$ -	$ -
186	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729	C113	$ 8,526,273	$ -	$ 8,526,273	3/31/2017	84	$6,090,195	$4,872,156	$5,481,175	8.0210%	72.91%	$ 238,020	$ 888,072	0.00%	$ -	$ -
187	Plant Information Historian	NY REV / Grid Mod	4704K	G198	$ 2,500,000	$ 3,100,000	$ 5,600,000	9/30/2020	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
188	DG IOAP Phase II (Tactical)	NY REV / Grid Mod	4704P	5210E	$ 308,482	$ 607,355	$ 915,837	4/1/2020	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
189	E-Commerce Marketplace	NY REV / Grid Mod	4704D	5210E	$ 532,244	$ 598,573	$ 1,130,816	5/1/2020	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
190	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ 491,473	$ 491,473	5/1/2020	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
191	AMI - CSS Enhancements	NY REV / Grid Mod	4704A	C113	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	72.91%	$ -	$ -	0.00%	$ -	$ -
192	Green Button Connect	NY REV / Grid Mod	4704C	C113	$ 1,035,000	$ 1,163,984	$ 2,198,984	3/31/2021	84	$0	$0	$0	8.0210%	72.91%	$ -	$ -	0.00%	$ -	$ -
193	DSP - DG IOAP	NY REV / Grid Mod	4704F	5210E	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
194	AMI - Telecoms	NY REV / Grid Mod	4704J	5210E	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
195	Outdoor Lighting Inventory Portal	NY REV / Grid Mod	4704O	5210E	$ 370,514	$ 416,688	$ 787,202	3/31/2021	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
196	DRMS for C&I Demand Response (Renewal)	NY REV / Grid Mod		5210E	$ -	$ 2,000,000	$ 2,000,000	5/1/2021	12	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
197	Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
198	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ 743,347	$ 743,347	3/31/2022	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
199	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0210%	72.91%	$ -	$ -	0.00%	$ -	$ -
200	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
201	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0210%	72.91%	$ -	$ -	0.00%	$ -	$ -
202	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
203	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	8.0210%	72.91%	$ -	$ -	0.00%	$ -	$ -
204	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	5210E	$ -	$ 1,300,000	$ 1,300,000	3/31/2022	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
205	Cyber Security	NY REV / Grid Mod	4704N	C113	$ -	$ 2,300,000	$ 2,300,000	3/31/2022	84	$0	$0	$0	8.0210%	72.91%	$ -	$ -	0.00%	$ -	$ -
206	Cyber Security	NY REV / Grid Mod	4704N	5210E	$ -	$ 3,000,000	$ 3,000,000	3/31/2022	84	$0	$0	$0	8.0210%	100.00%	$ -	$ -	0.00%	$ -	$ -
207	Residential Solar Marketplace	NY REV / Grid Mod		5210E	$ 54,350	$ -	$ 54,350	3/31/2019	36	$54,350	$36,233	$45,292	8.0210%	100.00%	$ 2,640	$ 18,117	0.00%	$ -	$ -
208	INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	$ 1,668,447	$ -	$ 1,668,447	12/16/2016	84	$1,112,298	$873,949	$993,123	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
209	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851	G181	$ 1,234,000	$ -	$ 1,234,000	3/31/2018	84	$1,057,714	$881,429	$969,571	8.0210%	74.79%	$ 42,273	$ 131,844	25.21%	$ 14,249	$ 44,442
210	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	Other Mandates	4400	G020	$ 1,126,000	$ -	$ 1,126,000	12/31/2017	84	$924,929	$764,071	$844,500	8.0210%	17.76%	$ 8,744	$ 28,568	6.11%	$ 3,008	$ 9,828
211	Regulatory Mandates - FY18	Other Mandates		G020	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
212	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479	G210	$ 3,000,000	$ -	$ 3,000,000	5/1/2018	84	$2,607,143	$2,178,571	$2,392,857	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
213	Regulatory Mandates - FY19	Other Mandates		G020	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
214	Regulatory Mandates - FY20	Other Mandates		G020	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
215	Regulatory Mandates - FY21	Other Mandates		G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
216	Physical Security Replacements - FY17	Physical Security		G020	$ 2,719,184	$ -	$ 2,719,184	3/31/2017	84	$1,942,275	$1,553,820	$1,748,047	8.0210%	17.76%	$ 18,490	$ 68,990	6.11%	$ 6,361	$ 23,735
217	Physical Security Replacements - FY17	Physical Security		G286	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
218	Physical Security Replacements - FY17	Physical Security		G423	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
219	Physical Security Replacements - FY18	Physical Security		G020	$ 950,000	$ -	$ 950,000	3/31/2018	84	$814,286	$678,571	$746,429	8.0210%	17.76%	$ 7,728	$ 24,103	6.11%	$ 2,659	$ 8,292
220	All NIMO Physical Security Replacements - FY18	Physical Security		G114	$ 490,000	$ -	$ 490,000	3/31/2018	84	$420,000	$350,000	$385,000	8.0210%	63.00%	$ 14,140	$ 44,100	21.03%	$ 4,720	$ 14,721
221	Physical Security Replacements - FY18	Physical Security		G286	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
222	Physical Security Replacements - FY18	Physical Security		G423	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
223	Physical Security Replacements - FY19	Physical Security		G020	$ 825,000	$ -	$ 825,000	3/31/2019	84	$825,000	$707,143	$766,071	8.0210%	17.76%	$ 7,932	$ 20,931	6.11%	$ 2,729	$ 7,201
224	All NIMO Physical Security Replacements - FY19	Physical Security		G114	$ 275,000	$ -	$ 275,000	3/31/2019	84	$275,000	$235,714	$255,357	8.0210%	63.00%	$ 9,378	$ 24,750	21.03%	$ 3,131	$ 8,262
225	Physical Security Replacements - FY19	Physical Security		G286	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
226	Physical Security Replacements - FY19	Physical Security		G423	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
227	Physical Security Replacements - FY20	Physical Security		G020	$ -	$ 835,000	$ 835,000	3/31/2020	84	$0	$835,000	$417,500	8.0210%	17.76%	$ 2,698	$ -	6.11%	$ 928	$ -
228	All NIMO Physical Security Replacements - FY20	Physical Security		G114	$ -	$ 282,000	$ 282,000	3/31/2020	84	$0	$282,000	$141,000	8.0210%	63.00%	$ 3,232	$ -	21.03%	$ 1,079	$ -
229	Physical Security Replacements - FY20	Physical Security		G286	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
230	Physical Security Replacements - FY20	Physical Security		G423	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 8 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

											4/1/2019	3/31/2020		8.0210%	5210E				5210T		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
231	Physical Security Replacements - FY21	Physical Security		G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
232	All NIMO Physical Security Replacements - FY21	Physical Security		G114	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	63.00%	$ -	$ -	21.03%	$ -	$ -
233	Physical Security Replacements - FY21	Physical Security		G286	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
234	Physical Security Replacements - FY21	Physical Security		G423	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
235	INVP 4451 Gas Transportation System Phase II	PSC Mandate	4451	G225	$ -	$ -	$ -	5/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
236	INVP 4347 NYC Leave on for Landlord Program	PSC Mandate	4347	5220G	$ -	$ -	$ -	7/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
237	INVP 4124 Auto Remote Net Meter	PSC Mandate	4124	C198	$ 3,584,165	$ -	$ 3,584,165	12/31/2017	84	$2,944,136	$2,432,112	$2,688,124	8.0210%	47.71%	$ 74,766	$ 244,286	0.00%	$ -	$ -
238	INVP 3839A NY Retail Access Ph2	PSC Mandate	3839A	C170	$ 5,356,231	$ -	$ 5,356,231	10/31/2017	84	$4,272,232	$3,507,056	$3,889,644	8.0210%	40.06%	$ 90,838	$ 306,529	0.00%	$ -	$ -
239	INVP 4411AB Distributed Generation Portal	PSC Mandate	4411A-B	C198	$ 3,347,611	$ -	$ 3,347,611	11/30/2017	84	$2,709,971	$2,231,740	$2,470,856	8.0210%	47.71%	$ 68,723	$ 228,164	0.00%	$ -	$ -
240	INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170	$ 551,447	$ -	$ 551,447	12/31/2017	84	$452,974	$374,196	$413,585	8.0210%	40.06%	$ 9,659	$ 31,559	0.00%	$ -	$ -
241	INVP 4448 Low Income Order CRIS	PSC Mandate	4448	5220G	$ -	$ -	$ -	12/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
242	INVP 4448 Low Income Order CSS	PSC Mandate	4448	C195	$ 2,489,410	$ -	$ 2,489,410	12/31/2017	84	$2,044,873	$1,689,243	$1,867,058	8.0210%	57.91%	$ 63,031	$ 205,945	0.00%	$ -	$ -
243	INVP 4411C New Electric Connections	PSC Mandate	4411C	C198	$ 698,000	$ -	$ 698,000	4/30/2018	84	$606,595	$506,881	$556,738	8.0210%	47.71%	$ 15,485	$ 47,574	0.00%	$ -	$ -
244	INVP 4411D New Gas Connections	PSC Mandate	4411D	C210	$ 896,000	$ -	$ 896,000	10/31/2018	84	$842,667	$714,667	$778,667	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
245	CPE Buyback	Tech. Modernization	4684	G020	$ 5,135,450	$ -	$ 5,135,450	4/1/2017	84	$3,668,179	$2,934,543	$3,301,361	8.0210%	17.76%	$ 34,921	$ 130,294	6.11%	$ 12,014	$ 44,825
246	Active Directory Improvements	Tech. Modernization	4489	G020	$ 275,000	$ -	$ 275,000	3/31/2018	84	$235,714	$196,429	$216,071	8.0210%	17.76%	$ 2,237	$ 6,977	6.11%	$ 770	$ 2,400
247	Application Performance Management (APM)	Tech. Modernization	4490	G020	$ 343,638	$ 31,362	$ 375,000	5/31/2019	84	$0	$330,357	$165,179	8.0210%	17.76%	$ 980	$ 7,929	6.11%	$ 337	$ 2,728
248	RAS/VPN Re-Platform/Mobile	Tech. Modernization	4269	G020	$ 600,000	$ -	$ 600,000	3/16/2018	84	$507,143	$421,429	$464,286	8.0210%	17.76%	$ 4,807	$ 15,223	6.11%	$ 1,654	$ 5,237
249	US Network Programme	Tech. Modernization	4496	G020	$ 3,025,000	$ -	$ 3,025,000	8/31/2018	84	$2,772,917	$2,340,774	$2,556,845	8.0210%	17.76%	$ 26,472	$ 76,749	6.11%	$ 9,107	$ 26,404
250	US VSTIG Programme	Tech. Modernization	4498	G020	$ 2,700,000	$ -	$ 2,700,000	3/31/2018	84	$2,314,286	$1,928,571	$2,121,429	8.0210%	17.76%	$ 21,964	$ 68,503	6.11%	$ 7,556	$ 23,567
251	US Wireless Programme	Tech. Modernization	4499	G020	$ 1,950,000	$ -	$ 1,950,000	3/31/2018	84	$1,671,429	$1,392,857	$1,532,143	8.0210%	17.76%	$ 15,963	$ 49,474	6.11%	$ 5,457	$ 17,021
252	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 412,366	$ 37,634	$ 450,000	5/1/2019	84	$0	$391,071	$195,536	8.0210%	17.76%	$ 1,149	$ 10,466	6.11%	$ 395	$ 3,601
253	RSA Re-platform	Tech. Modernization	4270	G020	$ 256,583	$ 23,417	$ 280,000	5/1/2019	84	$0	$243,333	$121,667	8.0210%	17.76%	$ 715	$ 6,512	6.11%	$ 246	$ 2,240
254	Cloud Broker - Hybrid Enablement	Tech. Modernization	3899	G020	$ 250,000	$ -	$ 250,000	3/31/2018	84	$214,286	$178,571	$196,429	8.0210%	17.76%	$ 2,034	$ 6,343	6.11%	$ 700	$ 2,182
255	Office 2010 Upgrade	Tech. Modernization	4265	G020	$ 733,095	$ 66,905	$ 800,000	4/30/2019	84	$0	$695,238	$347,619	8.0210%	17.76%	$ 2,042	$ 18,606	6.11%	$ 703	$ 6,401
256	Citrix Infrstructure Upgrade (Xenapp and NetScaler)	Tech. Modernization	4279	G020	$ 500,000	$ -	$ 500,000	4/30/2018	84	$434,524	$363,095	$398,810	8.0210%	17.76%	$ 4,129	$ 12,686	6.11%	$ 1,421	$ 4,364
257	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 3,086,892	$ 281,721	$ 3,368,613	4/30/2019	84	$0	$2,927,485	$1,463,743	8.0210%	17.76%	$ 8,600	$ 78,344	6.11%	$ 2,959	$ 26,953
258	Data Security	Tech. Modernization	4710	G020	$ 548,076	$ 1,026,924	$ 1,575,000	7/30/2019	84	$0	$1,425,000	$712,500	8.0210%	17.76%	$ 4,312	$ 26,640	6.11%	$ 1,483	$ 9,165
259	Orchestration and Self Service	Tech. Modernization	4726	G020	$ 252,623	$ 497,377	$ 750,000	5/30/2019	84	$0	$660,714	$330,357	8.0210%	17.76%	$ 1,961	$ 15,857	6.11%	$ 675	$ 5,455
260	Virtual Desktop - DaaS	Tech. Modernization	4727	G020	$ 550,000	$ -	$ 550,000	9/30/2018	84	$510,714	$432,143	$471,429	8.0210%	17.76%	$ 4,881	$ 13,954	6.11%	$ 1,679	$ 4,801
261	S Connections	Tech. Modernization	4495	G020	$ 100,000	$ -	$ 100,000	9/30/2018	84	$92,857	$78,571	$85,714	8.0210%	17.76%	$ 887	$ 2,537	6.11%	$ 305	$ 873
262	US SAP: Dynamic Storage Tiering	Tech. Modernization	4560	G020	$ 456,406	$ 513,284	$ 969,690	7/5/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
263	ICE Replacement	Tech. Modernization	4491	G020	$ 3,316,000	$ -	$ 3,316,000	10/31/2018	84	$3,118,619	$2,644,905	$2,881,762	8.0210%	17.76%	$ 29,836	$ 84,132	6.11%	$ 10,265	$ 28,944
264	US Network Programme	Tech. Modernization	4496	G020	$ -	$ 2,075,000	$ 2,075,000	3/31/2020	84	$0	$2,075,000	$1,037,500	8.0210%	17.76%	$ 6,704	$ -	6.11%	$ 2,306	$ -
265	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ 643,973	$ 643,973	9/30/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
266	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ 568,211	$ 568,211	9/30/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
267	Data Visualisation Expansion	Tech. Modernization	4606	G020	$ 943,126	$ 929,380	$ 1,872,506	9/30/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
268	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Modernization	4562	G020	$ 796,942	$ 896,258	$ 1,693,200	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
269	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ 378,807	$ 378,807	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
270	MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	G020	$ 168,415	$ 189,404	$ 357,819	4/30/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
271	Improving End User Experience- Cloud based DMZ Service Platform	Tech. Modernization	4723	G020	$ 300,000	$ -	$ 300,000	3/31/2019	84	$300,000	$257,143	$278,571	8.0210%	17.76%	$ 2,884	$ 7,611	6.11%	$ 992	$ 2,619
272	Mobile Broadband POC	Tech. Modernization		G020	$ 100,000	$ -	$ 100,000	3/31/2019	84	$100,000	$85,714	$92,857	8.0210%	17.76%	$ 961	$ 2,537	6.11%	$ 331	$ 873
273	FY19 Edge Projects	Tech. Modernization	4717	G020	$ 336,831	$ 378,807	$ 715,638	5/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
274	FY19 Network Projects	Tech. Modernization	4718	G020	$ 336,831	$ 378,807	$ 715,638	5/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
275	Digital Asset Management (DAM)	Tech. Modernization	4711	G020	$ 168,415	$ 189,404	$ 357,819	5/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
276	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 1,338,308	$ 2,634,928	$ 3,973,236	3/31/2020	84	$0	$3,973,236	$1,986,618	8.0210%	17.76%	$ 12,837	$ -	6.11%	$ 4,416	$ -
277	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 1,134,653	$ 2,233,960	$ 3,368,613	4/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
278	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 1,134,653	$ 2,233,960	$ 3,368,613	4/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
279	EUC, network, and data center strategy	Tech. Modernization	4715	G020	$ 519,682	$ 1,023,176	$ 1,542,858	4/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
280	Data Security	Tech. Modernization	4710	G020	$ 530,509	$ 1,044,491	$ 1,575,000	4/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
281	FY19 Data Centre Projects	Tech. Modernization	4716	G020	$ 673,662	$ 1,326,338	$ 2,000,000	4/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
282	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization	4706	G020	$ 3,300,000	$ -	$ 3,300,000	4/1/2019	84	$3,300,000	$2,828,571	$3,064,286	8.0210%	17.76%	$ 31,726	$ 83,726	6.11%	$ 10,915	$ 28,804
283	US Video Conference Programme	Tech. Modernization	4497	G020	$ 1,000,000	$ 650,000	$ 1,650,000	4/1/2020	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
284	US SAP: Enhancement Pack 9 Upgrade	Tech. Modernization	4564	G020	$ 1,600,798	$ 3,341,460	$ 4,942,257	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
285	US Network Programme	Tech. Modernization	4496	G020	$ 530,509	$ 596,622	$ 1,127,130	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
286	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ 265,165	$ 265,165	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
287	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ 568,211	$ 568,211	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
288	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ 378,807	$ 378,807	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
289	Service Now - Release 3	Tech. Modernization	4261	G020	$ -	$ 1,235,433	$ 1,235,433	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
290	IS Tools	Tech. Modernization	4513	G020	$ 173,770	$ 151,523	$ 325,293	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
291	FY20 Edge Projects	Tech. Modernization	4720	G020	$ 665,020	$ 757,615	$ 1,422,634	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
292	FY20 Network Projects	Tech. Modernization	4721	G020	$ 996,989	$ 1,518,240	$ 2,515,229	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
293	EMM Licenses	Tech. Modernization	4713	G020	$ 444,617	$ 500,026	$ 944,642	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
294	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 800,000	$ 1,505,091	$ 2,305,091	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
295	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 800,000	$ 1,507,364	$ 2,307,364	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
296	Data Security	Tech. Modernization	4710	G020	$ 530,509	$ 596,622	$ 1,127,130	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
297	Hardware and Software Upgrades	Tech. Modernization	4722	G020	$ -	$ 2,296,454	$ 2,296,454	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
298	Data Centre Consolidation efforts	Tech. Modernization	4709	G020	$ 500,000	$ 1,000,000	$ 1,500,000	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
299	FY20 Data Centre Projects	Tech. Modernization	4719	G020	$ -	$ 1,400,000	$ 1,400,000	3/31/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
300	Enterprise Data Management Platform	Tech. Modernization	4582	G020	$ -	$ 800,000	$ 800,000	6/1/2021	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
301	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ 800,000	$ 800,000	3/31/2022	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
302	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ 800,000	$ 800,000	3/31/2022	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
	Total IS				$ 438,454,267	$ 163,693,003	$ 596,620,295			$ 276,417,346	$ 380,900,331	$ 328,658,838			$ 2,664,430	$ 9,676,712		$ 599,811	$ 1,937,995
														NIMO E	$ 14,878,949				

Case 17-E-0238
Appendix 5
Schedule 19
Page 9 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

										4/1/2020	3/31/2021		7.9910%	5210E				5210T		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
1	Cloud Security	Cyber Security	3683	G020	$ 1,460,000	$ -	$ 1,460,000	3/31/2018	84	$1,042,857	$834,286	$938,571	7.9910%	17.76%	$ 9,681	$ 37,042	6.11%	$ 3,330.62	$ 12,743.71
2	Risk Based Authentication - 2FA token alternative	Cyber Security	3683	G020	$ 235,080	$ -	$ 235,080	6/1/2018	84	$173,511	$139,929	$156,720	7.9910%	17.76%	$ 1,617	$ 5,964	6.11%	$ 556	$ 2,052
3	INVP 3614D1 Ent Network Security	Cyber Security	3614D1	G020	$ 9,674,142	$ -	$ 9,674,142	11/30/2017	84	$6,449,428	$5,067,408	$5,758,418	7.9910%	17.76%	$ 59,397	$ 245,447	6.11%	$ 20,434	$ 84,441
4	Threat Behavior Modeling	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	7/1/2018	84	$600,000	$485,714	$542,857	7.9910%	17.76%	$ 5,599	$ 20,297	6.11%	$ 1,926	$ 6,983
5	Identity & Access Management: Role Base Access Management (RBAC)	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	6/1/2018	84	$1,217,857	$982,143	$1,100,000	7.9910%	17.76%	$ 11,346	$ 41,863	6.11%	$ 3,903.47	$ 14,402.14
6	Enhanced DLP Gateway and Endpoint	Cyber Security	3683	G020	$ 2,238,480	$ -	$ 2,238,480	10/1/2018	84	$1,758,806	$1,439,023	$1,598,914	7.9910%	17.76%	$ 16,492	$ 56,793	6.11%	$ 5,674	$ 19,539
7	INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020	$ 4,829,586	$ -	$ 4,829,586	12/31/2017	84	$3,277,219	$2,587,278	$2,932,249	7.9910%	17.76%	$ 30,245	$ 122,533	6.11%	$ 10,405	$ 42,155
8	INVP 3614E4 US CNI Security R&E	Cyber Security	3614E4	G020	$ 1,340,144	$ -	$ 1,340,144	12/31/2017	84	$909,384	$717,934	$813,659	7.9910%	17.76%	$ 8,393	$ 34,001	6.11%	$ 2,887.36	$ 11,697.54
9	US CNI Intrusion Detection/Prevention Phase 1	Cyber Security	3683	G020	$ 550,000	$ -	$ 550,000	7/31/2018	84	$419,048	$340,476	$379,762	7.9910%	17.76%	$ 3,917	$ 13,954	6.11%	$ 1,347.63	$ 4,800.71
10	Identity & Access Management: Fine Grain Access Management	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	8/31/2018	84	$1,276,786	$1,041,071	$1,158,929	7.9910%	17.76%	$ 11,954	$ 41,863	6.11%	$ 4,113	$ 14,402
11	vStig Scaling Upgrades	Cyber Security	3683	G020	$ 1,000,000	$ -	$ 1,000,000	8/1/2018	84	$761,905	$619,048	$690,476	7.9910%	17.76%	$ 7,122	$ 25,371	6.11%	$ 2,450	$ 8,729
12	IT/OT Discovery and Implementation Phase 1	Cyber Security	3683	G020	$ 5,500,000	$ -	$ 5,500,000	6/1/2019	84	$4,845,238	$4,059,524	$4,452,381	7.9910%	17.76%	$ 45,925	$ 139,543	6.11%	$ 15,800	$ 48,007
13	Security Research Lab	Cyber Security	3683	G020	$ 325,000	$ -	$ 325,000	6/1/2019	84	$286,310	$239,881	$263,095	7.9910%	17.76%	$ 2,714	$ 8,246	6.11%	$ 934	$ 2,837
14	US CNI Security Enhancements Phase 1	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	6/1/2019	84	$1,453,571	$1,217,857	$1,335,714	7.9910%	17.76%	$ 13,778	$ 41,863	6.11%	$ 4,740	$ 14,402
15	Identity & Access Management: Privileged Access Management	Cyber Security	3683	G020	$ 1,740,000	$ -	$ 1,740,000	3/31/2019	84	$1,491,429	$1,242,857	$1,367,143	7.9910%	17.76%	$ 14,102	$ 44,146	6.11%	$ 4,851	$ 15,188
16	Domain Based Security Phase 1	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	3/31/2019	84	$685,714	$571,429	$628,571	7.9910%	17.76%	$ 6,484	$ 20,297	6.11%	$ 2,231	$ 6,983
17	Security Incident Event Management Phase 4	Cyber Security	3683	G020	$ 1,266,300	$ -	$ 1,266,300	5/1/2019	84	$1,100,475	$919,575	$1,010,025	7.9910%	17.76%	$ 10,418	$ 32,128	6.11%	$ 3,584	$ 11,053
18	Big Data Security Analytics Phase 1	Cyber Security	3683	G020	$ 4,621,552	$ -	$ 4,621,552	5/1/2019	84	$4,016,349	$3,356,127	$3,686,238	7.9910%	17.76%	$ 38,023	$ 117,255	6.11%	$ 13,081	$ 40,340
19	US CNI Intrusion Detection/Prevention Phase 2	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	3/31/2020	84	$800,000	$685,714	$742,857	7.9910%	17.76%	$ 7,662	$ 20,297	6.11%	$ 2,636	$ 6,983
20	Identity & Access Management: Shared Area Access Management	Cyber Security	3683	G020	$ 1,740,000	$ -	$ 1,740,000	3/31/2020	84	$1,740,000	$1,491,429	$1,615,714	7.9910%	17.76%	$ 16,666	$ 44,146	6.11%	$ 5,734	$ 15,188
21	Security Incident Event Management Phase 5	Cyber Security	3683	G020	$ 533,616	$ 199,534	$ 733,150	5/1/2020	84	$0	$637,142	$318,571	7.9910%	17.76%	$ 1,865	$ 17,051	6.11%	$ 642	$ 5,866
22	Domain Based Security Phase 2	Cyber Security	3683	G020	$ 3,884,896	$ 1,687,806	$ 5,572,702	4/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
23	Security Incident Event Management (SIEM) 6	Cyber Security	3683	G020	$ 524,670	$ 166,362	$ 691,032	5/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
24	Big Data Security Analytics - Phase 2	Cyber Security	3683	G020	$ 2,688,347	$ 2,464,628	$ 5,152,975	5/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
25	IT/OT Discovery and Implementation: Phase 2	Cyber Security	3683	G020	$ 2,651,651	$ 3,469,885	$ 6,121,536	10/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
26	US CNI Security Enhancements - Phase 2	Cyber Security	3683	G020	$ 1,500,077	$ 1,962,963	$ 3,463,040	11/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
27	Data Visualization	Cyber Security	3683	G020	$ 378,807	$ 495,698	$ 874,505	12/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
28	INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	C277	$ -	$ -	$ -	5/26/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
29	INVP 4045 Double Pole Mgmt DB	FY18 Plan	4045	G198	$ 432,455	$ -	$ 432,455	3/4/2017	84	$241,969	$180,190	$211,079	7.9910%	41.93%	$ 5,287	$ 25,904	0.00%	$ -	$ -
30	INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	G020	$ 259,667	$ -	$ 259,667	2/20/2017	84	$145,290	$108,195	$126,742	7.9910%	17.76%	$ 1,345	$ 6,588	6.11%	$ 463	$ 2,267
31	INVP 3955 EJWard Upgrade	FY18 Plan	3955	G235	$ -	$ -	$ -	3/7/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
32	INVP 4188 Aging System Stabilize	FY18 Plan	4188	G148	$ 854,204	$ -	$ 854,204	12/1/2017	84	$569,469	$447,440	$508,455	7.9910%	18.77%	$ 5,543	$ 22,905	6.43%	$ 1,899	$ 7,846
33	INVP 4280 US VSTIG Bandwidth Ph2	FY18 Plan	4280	G020	$ 2,256,401	$ -	$ 2,256,401	12/1/2017	84	$1,504,267	$1,181,924	$1,343,096	7.9910%	17.76%	$ 13,854	$ 57,248	6.11%	$ 4,766	$ 19,695
34	INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	G020	$ 13,464,281	$ -	$ 13,464,281	7/31/2017	84	$8,335,031	$6,411,563	$7,373,297	7.9910%	17.76%	$ 77,988	$ 341,608	6.11%	$ 26,830	$ 117,524
35	INVP 4364 Wireless Network	FY18 Plan	4364	G020	$ 2,303,959	$ -	$ 2,303,959	3/31/2018	84	$1,645,685	$1,316,548	$1,481,116	7.9910%	17.76%	$ 15,277	$ 58,455	6.11%	$ 5,256	$ 20,110
36	S005242 M112 Systemic Improvement	FY18 Plan		G020	$ 8,275,650	$ -	$ 8,275,650	12/1/2017	120	$6,344,665	$5,517,100	$5,930,882	7.9910%	17.76%	$ 61,176	$ 146,976	6.11%	$ 21,046	$ 50,564
37	INVP 4289 US Network Improvement	FY18 Plan	4289	G020	$ 1,336,479	$ -	$ 1,336,479	12/1/2017	84	$890,986	$700,061	$795,523	7.9910%	17.76%	$ 8,206	$ 33,908	6.11%	$ 2,823	$ 11,666
38	HANA License Costs	FY18 Plan	4649	G020	$ 3,826,068	$ -	$ 3,826,068	3/31/2017	84	$2,186,325	$1,639,744	$1,913,034	7.9910%	17.76%	$ 20,282	$ 97,073	6.11%	$ 6,978	$ 33,396
39	Microsoft ELA Renewal	FY18 Plan	4642	G020	$ 3,207,476	$ -	$ 3,207,476	3/31/2017	84	$1,832,843	$1,374,632	$1,603,738	7.9910%	17.76%	$ 17,003	$ 81,378	6.11%	$ 5,850	$ 27,997
40	Mobile Device Refresh - FY17	FY18 Plan	4671	G020	$ 4,138,561	$ -	$ 4,138,561	3/31/2017	84	$2,364,892	$1,773,669	$2,069,280	7.9910%	17.76%	$ 21,939	$ 105,001	6.11%	$ 7,548	$ 36,124
41	Zscaler	FY18 Plan	4681	G020	$ 2,100,000	$ -	$ 2,100,000	4/1/2018	84	$1,500,000	$1,200,000	$1,350,000	7.9910%	17.76%	$ 13,925	$ 53,280	6.11%	$ 4,791	$ 18,330
42	INVP 2577C ArcFM Software Upgrade	FY18 Plan	2577C	G112	$ -	$ -	$ -	4/10/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
43	INVP 4631 Box Enablement	FY18 Plan	4631	G020	$ 254,000	$ -	$ 254,000	3/31/2018	84	$181,429	$145,143	$163,286	7.9910%	17.76%	$ 1,684	$ 6,444	6.11%	$ 579	$ 2,217
44	INVP 4170 Time Transformation	FY18 Plan	4170	G020	$ 2,676,143	$ -	$ 2,676,143	4/30/2017	84	$1,561,083	$1,178,777	$1,369,930	7.9910%	17.76%	$ 14,515	$ 67,898	6.11%	$ 4,994	$ 23,359
45	INVP 4420 US CNI OMSFocalPoint Infrastructure Upgrade	FY18 Plan	4420	G198	$ 705,521	$ -	$ 705,521	5/23/2017	84	$419,953	$319,164	$369,559	7.9910%	41.93%	$ 9,239	$ 42,261	0.00%	$ -	$ -
46	INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G020	$ 608,000	$ -	$ 608,000	3/31/2018	84	$434,286	$347,429	$390,857	7.9910%	17.76%	$ 4,032	$ 15,426	6.11%	$ 1,387	$ 5,307
47	US Video Conferencing upgrade for RW	FY18 Plan	4632	G020	$ 1,702,730	$ -	$ 1,702,730	7/31/2017	84	$1,054,071	$810,824	$932,448	7.9910%	17.76%	$ 9,863	$ 43,201	6.11%	$ 3,393	$ 14,862
48	Hix D/C Improvement Server Refresh	FY18 Plan	4676	G020	$ 1,000,000	$ -	$ 1,000,000	3/31/2018	84	$714,286	$571,429	$642,857	7.9910%	17.76%	$ 6,631	$ 25,371	6.11%	$ 2,281	$ 8,729
49	INVP 4464 Data Visualization	FY18 Plan	4464	G020	$ 7,067,413	$ -	$ 7,067,413	11/30/2017	84	$4,711,609	$3,701,978	$4,206,794	7.9910%	17.76%	$ 43,392	$ 179,310	6.11%	$ 14,928	$ 61,688
50	Mobility - (MDM) Mobile Device	FY18 Plan	3430	G020	$ 1,162,000	$ -	$ 1,162,000	2/1/2018	84	$802,333	$636,333	$719,333	7.9910%	17.76%	$ 7,420	$ 29,482	6.11%	$ 2,553	$ 10,143
51	Changes to ACIS for PMCC Civil Vendor Billing	FY18 Plan	4487	G186	$ 382,000	$ -	$ 382,000	12/2/2017	84	$254,667	$200,095	$227,381	7.9910%	30.74%	$ 4,060	$ 16,775	10.99%	$ 1,451	$ 5,997
52	INVP 4461 Unix51 Interface Migration	FY18 Plan	4461	G020	$ 1,386,701	$ -	$ 1,386,701	3/1/2018	84	$973,992	$775,892	$874,942	7.9910%	17.76%	$ 9,025	$ 35,183	6.11%	$ 3,105	$ 12,104
53	INVP 4287 Active Directory Upgrade	FY18 Plan	4287	G020	$ 804,825	$ -	$ 804,825	1/30/2018	84	$555,713	$440,738	$498,225	7.9910%	17.76%	$ 5,139	$ 20,420	6.11%	$ 1,768	$ 7,025
54	US Control-Gas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480	G210	$ 542,000	$ -	$ 542,000	5/1/2019	84	$471,024	$393,595	$432,310	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
55	Enterprise Labs	FY18 Plan	4693	G020	$ 668,000	$ -	$ 668,000	10/30/2017	84	$437,381	$341,952	$389,667	7.9910%	17.76%	$ 4,019	$ 16,948	6.11%	$ 1,383	$ 5,831
56	Cascade Electric Application Upgrade Project	FY18 Plan	3986	G198	$ 375,000	$ -	$ 375,000	10/31/2017	84	$245,536	$191,964	$218,750	7.9910%	41.93%	$ 5,327	$ 22,463	0.00%	$ -	$ -
57	INVP 4408 Doc Mgmt Systems Replacement Delivery	FY18 Plan	4408	G149	$ 3,855,044	$ -	$ 3,855,044	11/1/2017	84	$2,524,136	$1,973,415	$2,248,776	7.9910%	17.88%	$ 23,352	$ 98,469	6.15%	$ 8,032	$ 33,869
58	WIFI for Fleet Services Diagnostic Laptops	FY18 Plan	3956	G352	$ 838,000	$ -	$ 838,000	11/1/2017	84	$548,690	$428,976	$488,833	7.9910%	17.94%	$ 5,093	$ 21,477	6.17%	$ 1,752	$ 7,386
59	Gas Service Database - UNY	FY18 Plan	3949	5210G	$ 325,000	$ -	$ 325,000	12/1/2017	84	$216,667	$170,238	$193,452	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
60	Gas Service Database - DNY (LI and NYC)	FY18 Plan	3948	G225	$ -	$ -	$ -	12/4/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
61	Substation Monitoring-DobleARMS	FY18 Plan	3982	G381	$ -	$ -	$ -	1/1/2018	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
62	Gas Capital Investment Planning Tool	FY18 Plan	4466	G210	$ 572,000	$ -	$ 572,000	9/1/2019	84	$524,333	$442,619	$483,476	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
63	Computapole Enhancements to Support Inspection Types	FY18 Plan	4462	G186	$ 450,000	$ -	$ 450,000	9/1/2019	84	$412,500	$348,214	$380,357	7.9910%	30.74%	$ 6,791	$ 19,761	10.99%	$ 2,428	$ 7,065
64	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	G020	$ 1,232,000	$ -	$ 1,232,000	9/1/2019	84	$1,129,333	$953,333	$1,041,333	7.9910%	17.76%	$ 10,741	$ 31,258	6.11%	$ 3,695	$ 10,754
65	Ageing System Stabilization/Upgrades - FY18	FY18 Plan	4389	G148	$ 1,500,000	$ -	$ 1,500,000	6/30/2019	84	$1,339,286	$1,125,000	$1,232,143	7.9910%	18.77%	$ 13,432	$ 40,221	6.43%	$ 4,601	$ 13,779
66	INVP 3486 US MDS-Itron Enterprise Edition (IEE)	FY18 Plan	3486	G186	$ 758,544	$ -	$ 758,544	3/31/2018	84	$541,817	$433,454	$487,635	7.9910%	30.74%	$ 8,706	$ 33,311	10.99%	$ 3,113	$ 11,909
67	INVP 4390 Plastic Fusion II	FY18 Plan	4390	G210	$ 506,000	$ -	$ 506,000	3/31/2018	84	$361,429	$289,143	$325,286	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
68	INVP 4397 Ariba TLS and CI Update	FY18 Plan	4397	G020	$ 1,602,226	$ -	$ 1,602,226	3/31/2018	120	$1,281,781	$1,121,558	$1,201,669	7.9910%	17.76%	$ 12,395	$ 28,456	6.11%	$ 4,264	$ 9,790
69	US Mobile Device Refresh	FY18 Plan	4395	G020	$ 4,500,000	$ -	$ 4,500,000	3/31/2018	84	$3,214,286	$2,571,429	$2,892,857	7.9910%	17.76%	$ 41,056	$ 114,171	6.11%	$ 14,124	$ 39,279
70	US SAP: Infrastructure Landscape	FY18 Plan	4348	G020	$ 4,142,700	$ -	$ 4,142,700	3/31/2018	84	$2,959,071	$2,367,257	$2,663,164	7.9910%	17.76%	$ 27,470	$ 105,106	6.11%	$ 9,451	$ 36,160
71	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ 9,207,521	$ -	$ 9,207,521	3/31/2018	84	$6,576,801	$5,261,441	$5,919,121	7.9910%	30.74%	$ 105,676	$ 404,342	10.99%	$ 37,781	$ 144,558
72	US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	4568	U186	$ 3,213,537	$ -	$ 3,213,537	3/31/2018	84	$2,295,384	$1,836,307	$2,065,846	7.9910%	26.20%	$ 31,435	$ 120,278	35.42%	$ 42,497	$ 162,605
73	Network Transformation Completion - CEMS	FY18 Plan	4647	G020	$ 225,000	$ -	$ 225,000	5/1/2019	84	$195,536	$163,393	$179,464	7.9910%	17.76%	$ 1,851	$ 5,709	6.11%	$ 637	$ 1,964
74	Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020	$ 675,000	$ -	$ 675,000	3/31/2018	84	$482,143	$385,714	$433,929	7.9910%	17.76%	$ 4,476	$ 17,126	6.11%	$ 1,540	$ 5,892
75	Aged Printer refresh	FY18 Plan	4689	G020	$ 45,000	$ -	$ 45,000	3/31/2018	84	$32,143	$25,714	$28,929	7.9910%	17.76%	$ 298	$ 1,142	6.11%	$ 103	$ 393

Case 17-E-0238
Appendix 5
Schedule 19
Page 10 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

										4/1/2020	3/31/2021		7.9910%	5210E				5210T		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
76	RSA Token refresh	FY18 Plan	4683	G020	$ 536,718	$ -	$ 536,718	3/31/2017	84	$306,696	$230,022	$268,359	7.9910%	17.76%	$ 2,845	$ 13,617	6.11%	$ 979	$ 4,685
77	Load and DER Forecasting (Acquisition of Remote Sensing Data - Mass)	FY18 Plan	4670	C310	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
78	INVP4449 - EPA File	FY18 Plan	4449	C170	$ 630,000	$ -	$ 630,000	3/31/2018	84	$450,000	$360,000	$405,000	7.9910%	40.06%	$ 9,423	$ 36,054	0.00%	$ -	$ -
79	Informatica Upgrade/Microstrategy Replacement Program	FY18 Plan	4469	G020	$ 3,164,400	$ -	$ 3,164,400	5/1/2018	84	$2,297,957	$1,845,900	$2,071,929	7.9910%	17.76%	$ 21,371	$ 80,285	6.11%	$ 7,352	$ 27,621
80	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	FY18 Plan	3932	C175	$ 23,566,011	$ -	$ 23,566,011	8/31/2018	84	$18,235,604	$14,869,031	$16,552,317	7.9910%	23.28%	$ 223,791	$ 783,711	0.00%	$ -	$ -
81	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	FY18 Plan	4481	G186	$ 1,944,000	$ -	$ 1,944,000	5/1/2019	84	$1,689,429	$1,411,714	$1,550,571	7.9910%	30.74%	$ 27,683	$ 85,369	10.99%	$ 9,897	$ 30,521
82	INVP 4398 Storms/Sched Upgrade	FY18 Plan	4398	G160	$ 8,960,280	$ -	$ 8,960,280	12/15/2018	84	$7,253,560	$5,973,520	$6,613,540	7.9910%	27.24%	$ 104,630	$ 348,683	9.63%	$ 36,989	$ 123,268
83	General Ledger Interface CRIS SAP	FY18 Plan	4486	C343	$ -	$ -	$ -	3/1/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
84	STORMS Capital Cost Estimates	FY18 Plan	4467	G148	$ 698,400	$ -	$ 698,400	5/1/2019	84	$606,943	$507,171	$557,057	7.9910%	18.77%	$ 6,073	$ 18,727	6.43%	$ 2,080	$ 6,415
85	CRIS Data Archival	FY18 Plan	4485	C343	$ -	$ -	$ -	4/1/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
86	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	7.9910%	30.74%	$ -	$ -	10.99%	$ -	$ -
87	Inventory Management Handheld Devices	FY18 Plan		G020	$ 129,283	$ -	$ 129,283	3/31/2017	84	$73,876	$55,407	$64,642	7.9910%	17.76%	$ 685	$ 3,280	6.11%	$ 236	$ 1,128
88	Customer Bill Redesign	FY18 Plan	4704Q	H173	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	7.9910%	19.12%	$ -	$ -	0.00%	$ -	$ -
89	INVP 3737 US CNI GMS SCADA Upgrade &	FY18 Plan	3737	C210	$ 23,337,262	$ -	$ 23,337,262	3/31/2020	84	$23,337,262	$20,003,368	$21,670,315	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
90	Cisco Prime	FY18 Plan	4679	G020	$ 432,000	$ 120,654	$ 552,654	5/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
91	Contractor Management Modernization	FY18 Plan	4151	G327	$ 3,166,892	$ 1,717,334	$ 4,884,226	10/15/2022	84	$0	$0	$0	7.9910%	18.70%	$ -	$ -	6.41%	$ -	$ -
92	Risk Management (Tx Mains & Dx Mains)	GBE- Asset Management	4572	C210	$ 1,899,720	$ -	$ 1,899,720	12/1/2017	120	$1,456,452	$1,266,480	$1,361,466	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
93	AM Program Leadership-1	GBE- Asset Management	4572	C210	$ 249,412	$ -	$ 249,412	3/1/2018	120	$197,451	$172,510	$184,980	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
94	Enhancements	GBE- Asset Management	4572	C210	$ 2,394,788	$ -	$ 2,394,788	12/1/2018	120	$2,075,483	$1,836,004	$1,955,743	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
95	Additional IM Modules	GBE- Asset Management	4572	C210	$ 647,971	$ -	$ 647,971	2/1/2019	120	$572,374	$507,577	$539,976	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
96	AM Program Leadership-2	GBE- Asset Management	4572	C210	$ 358,808	$ -	$ 358,808	3/1/2019	120	$319,937	$284,057	$301,997	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
97	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	GBE- Asset Management	4572	C210	$ 10,253,139	$ -	$ 10,253,139	3/1/2019	120	$9,142,382	$8,117,068	$8,629,725	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
98	EAM-FIN Integration	GBE- Asset Management	4572	C210	$ 1,620,259	$ -	$ 1,620,259	6/1/2019	120	$1,485,238	$1,323,212	$1,404,225	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
99	Integrity Management Integrations	GBE- Asset Management	4572	C210	$ 997,206	$ -	$ 997,206	10/1/2019	120	$947,346	$847,626	$897,486	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
100	AM Program Leadership-3	GBE- Asset Management	4572	C210	$ 377,711	$ -	$ 377,711	3/1/2020	120	$374,563	$336,792	$355,678	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
101	Design (GWD), Estimating (CU), & Mobility	GBE- Asset Management	4572	C210	$ 6,107,893	$ 3,201,244	$ 9,149,075	9/1/2020	120	$0	$8,615,379	$4,307,689	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
102	Asset Analytics Integration	GBE- Asset Management	4572	C210	$ -	$ 1,764,202	$ 1,675,992	12/1/2020	120	$0	$1,620,126	$810,063	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
103	GIS (GWD/CU) - PPM Integration	GBE- Asset Management	4572	C210	$ -	$ 844,849	$ 802,606	12/1/2020	120	$0	$775,853	$387,926	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
104	GIS-EAM Integration	GBE- Asset Management	4572	C210	$ 4,164,942	$ 3,282,332	$ 7,283,158	12/2/2020	120	$0	$7,040,386	$3,520,193	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
105	AM Program Leadership-4	GBE- Asset Management	4572	C210	$ -	$ 103,929	$ 98,733	3/1/2021	120	$0	$97,910	$48,955	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
106	Use Case No.1 - Asset Risk	GBE- Asset Management	4572	C210	$ -	$ 3,591,031	$ 3,411,480	3/1/2021	120	$0	$3,383,051	$1,691,525	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
107	Complex Design (CAD) & Estimating (ESW)	GBE- Asset Management	4572	C210	$ -	$ 2,389,087	$ 2,269,632	3/1/2021	120	$0	$2,250,719	$1,125,359	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
108	Program Learning Management-1	GBE- Business Enablement	4572	C210	$ 105,567	$ -	$ 105,567	3/1/2018	120	$83,574	$73,017	$78,296	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
109	Program Transformational Change Office-1	GBE- Business Enablement	4572	C210	$ 620,139	$ -	$ 620,139	3/1/2018	120	$490,943	$428,929	$459,936	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
110	Program Business Sustainment-1	GBE- Business Enablement	4572	C210	$ 62,655	$ -	$ 62,655	3/1/2019	120	$55,868	$49,602	$52,735	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
111	Program Learning Management-2	GBE- Business Enablement	4572	C210	$ 117,190	$ -	$ 117,190	3/1/2019	120	$104,494	$92,775	$98,635	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
112	Program Transformational Change Office -2	GBE- Business Enablement	4572	C210	$ 1,364,679	$ -	$ 1,364,679	3/1/2019	120	$1,216,839	$1,080,371	$1,148,605	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
113	Program Learning Management-3	GBE- Business Enablement	4572	C210	$ 160,081	$ -	$ 160,081	3/1/2020	120	$158,747	$142,739	$150,743	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
114	Program Transformational Change Office-3	GBE- Business Enablement	4572	C210	$ 341,051	$ -	$ 341,051	3/1/2020	120	$338,209	$304,104	$321,157	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
115	Program Business Sustainment-2	GBE- Business Enablement	4572	C210	$ -	$ 221,771	$ 210,682	3/1/2021	120	$0	$208,927	$104,463	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
116	Program Learning Management-4	GBE- Business Enablement	4572	C210	$ -	$ 195,721	$ 185,935	3/1/2021	120	$0	$184,385	$92,193	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
117	Program Transformational Change Office-4	GBE- Business Enablement	4572	C210	$ -	$ 169,648	$ 161,166	3/1/2021	120	$0	$159,823	$79,911	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
118	Customer Experience Program Leadership-1	GBE- Customer Engagement	4572	C210	$ 234,206	$ -	$ 234,206	3/1/2019	120	$208,834	$185,413	$197,123	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
119	CxT Portal & Channel Management	GBE- Customer Engagement	4572	C210	$ 10,817,383	$ -	$ 10,817,383	6/1/2019	120	$9,915,934	$8,834,196	$9,375,065	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
120	Customer Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 4,392,293	$ -	$ 4,392,293	10/1/2019	120	$4,172,678	$3,733,449	$3,953,064	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
121	Employee Support Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 7,260,786	$ -	$ 7,260,786	10/1/2019	120	$6,897,747	$6,171,668	$6,534,708	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
122	Customer Experience Program Leadership-2	GBE- Customer Engagement	4572	C210	$ 246,306	$ -	$ 246,306	3/1/2020	120	$244,254	$219,623	$231,938	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
123	CRM / Contact Center	GBE- Customer Engagement	4572	C210	$ 17,195,000	$ -	$ 17,195,000	6/1/2020	120	$0	$15,762,083	$7,881,042	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
124	Large Commercial & Landlord Interaction	GBE- Customer Engagement	4572	C210	$ 32,329	$ 1,411,132	$ 1,372,905	7/1/2020	120	$0	$1,269,937	$634,969	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
125	Employee Support Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ 292,791	$ 278,152	7/1/2020	120	$0	$257,290	$128,645	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
126	Customer Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ 2,010,254	$ 1,909,741	1/1/2021	120	$0	$1,861,998	$930,999	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
127	Customer Experience Program Leadership-3	GBE- Customer Engagement	4572	C210	$ -	$ 203,177	$ 193,018	3/1/2021	120	$0	$191,410	$95,705	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
128	Data Management Implementation (Quality & Cleansing)	GBE- Data Management	4572	C210	$ 9,990,000	$ -	$ 9,990,000	12/1/2017	120	$7,659,000	$6,660,000	$7,159,500	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
129	Data Management & Governance Program Leadership-1	GBE- Data Management	4572	C210	$ 53,001	$ -	$ 53,001	3/1/2018	120	$41,959	$36,659	$39,309	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
130	Enable the Data Archive Process	GBE- Data Management	4572	C210	$ 1,963,221	$ -	$ 1,963,221	3/1/2019	120	$1,750,539	$1,554,217	$1,652,378	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
131	Data Management & Governance Program Leadership-2	GBE- Data Management	4572	C210	$ 79,159	$ -	$ 79,159	3/1/2019	120	$70,583	$62,667	$66,625	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
132	Data Management & Governance Program Leadership-3	GBE- Data Management	4572	C210	$ 82,985	$ -	$ 82,985	3/1/2020	120	$82,293	$73,995	$78,144	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
133	PowerPlan Architecture Enhancements	GBE- Information Services Enabling	4572	C210	$ 5,472,100	$ -	$ 5,472,100	11/1/2017	120	$4,149,676	$3,602,466	$3,876,071	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
134	Comprehensive Integration Services (Enhancements)	GBE- Information Services Enabling	4572	C210	$ 70,762	$ -	$ 70,762	12/1/2017	120	$54,251	$47,174	$50,712	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
135	Application (Environment) Infrastructure	GBE- Information Services Enabling	4572	C210	$ 1,956,969	$ -	$ 1,956,969	12/1/2017	120	$1,500,343	$1,304,646	$1,402,494	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
136	Development Operations & BPA Enablement-1	GBE- Information Services Enabling	4572	C210	$ 2,613,528	$ -	$ 2,613,528	3/1/2018	120	$2,069,043	$1,807,690	$1,938,367	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
137	SAP and Application Integration Development- Release 1-1	GBE- Information Services Enabling	4572	C210	$ 4,288,668	$ -	$ 4,288,668	3/1/2018	120	$3,395,196	$2,966,329	$3,180,762	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
138	Mobility CoE & End-User Computing-1	GBE- Information Services Enabling	4572	C210	$ 544,311	$ -	$ 544,311	3/1/2018	120	$430,913	$376,482	$403,697	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
139	Operations/System Monitoring	GBE- Information Services Enabling	4572	C210	$ 951,992	$ -	$ 951,992	8/1/2018	120	$793,326	$698,127	$745,727	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
140	Development Operations & BPA Enablement-2	GBE- Information Services Enabling	4572	C210	$ 2,305,810	$ -	$ 2,305,810	3/1/2019	120	$2,056,014	$1,825,433	$1,940,723	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
141	SAP and Application Integration Development- Release 1-2	GBE- Information Services Enabling	4572	C210	$ 4,093,351	$ -	$ 4,093,351	3/1/2019	120	$3,649,905	$3,240,569	$3,445,237	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
142	SAP and Application Integration Development- Release 2-1	GBE- Information Services Enabling	4572	C210	$ 4,550,140	$ -	$ 4,550,140	3/1/2019	120	$4,057,208	$3,602,194	$3,829,701	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
143	Mobility CoE & End-User Computing-2	GBE- Information Services Enabling	4572	C210	$ 828,483	$ -	$ 828,483	3/1/2019	120	$738,730	$655,882	$697,306	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
144	Development Operations & BPA Enablement-3	GBE- Information Services Enabling	4572	C210	$ 2,001,833	$ -	$ 2,001,833	3/1/2020	120	$1,985,151	$1,784,968	$1,885,060	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
145	SAP and Application Integration Development- Release 1-3	GBE- Information Services Enabling	4572	C210	$ 555,000	$ -	$ 555,000	3/1/2020	120	$550,375	$494,875	$522,625	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
146	SAP and Application Integration Development- Release 2-2	GBE- Information Services Enabling	4572	C210	$ 4,067,285	$ -	$ 4,067,285	3/1/2020	120	$4,033,391	$3,626,662	$3,830,027	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
147	SAP and Application Integration Development- Release 3-1	GBE- Information Services Enabling	4572	C210	$ 79,471	$ -	$ 79,471	3/1/2020	120	$78,809	$70,862	$74,835	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
148	Mobility CoE & End-User Computing-3	GBE- Information Services Enabling	4572	C210	$ 954,455	$ -	$ 954,455	3/1/2020	120	$946,501	$851,055	$898,778	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
149	Test Automation Implementation	GBE- Information Services Enabling	4572	C210	$ 2,079,221	$ 288,018	$ 2,352,839	12/1/2020	120	$0	$2,274,411	$1,137,205	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
150	Development Operations & BPA Enablement-4	GBE- Information Services Enabling	4572	C210	$ -	$ 2,176,436	$ 2,067,614	3/1/2021	120	$0	$2,050,384	$1,025,192	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 11 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

										4/1/2020	3/31/2021		7.9910%	5210E				5210T		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
151	SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572	C210	$ -	$ 600,000	$ 570,000	3/1/2021	120	$0	$565,250	$282,625	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
152	SAP and Application Integration Development- Release 3-2	GBE- Information Services Enabling	4572	C210	$ -	$ 2,326,606	$ 2,210,275	3/1/2021	120	$0	$2,191,856	$1,095,928	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
153	Mobility CoE & End-User Computing-4	GBE- Information Services Enabling	4572	C210	$ -	$ 952,793	$ 905,153	3/1/2021	120	$0	$897,610	$448,805	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
154	Portfolio Management Leadership-1	GBE- Portfolio Office	4572	C210	$ 1,481,327	$ -	$ 1,481,327	3/1/2018	120	$1,172,717	$1,024,585	$1,098,651	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
155	Solution Architects & Agile Coaches-1	GBE- Portfolio Office	4572	C210	$ 1,762,449	$ -	$ 1,762,449	3/1/2018	120	$1,395,272	$1,219,027	$1,307,150	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
156	Portfolio Management Leadership-2	GBE- Portfolio Office	4572	C210	$ 1,930,034	$ -	$ 1,930,034	3/1/2019	120	$1,720,947	$1,527,943	$1,624,445	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
157	Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C210	$ 3,568,169	$ -	$ 3,568,169	3/1/2019	120	$3,181,617	$2,824,800	$3,003,209	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
158	Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C210	$ 1,999,129	$ -	$ 1,999,129	3/1/2020	120	$1,982,470	$1,782,557	$1,882,514	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
159	Solution Architects & Agile Coaches-3	GBE- Portfolio Office	4572	C210	$ 2,612,469	$ -	$ 2,612,469	3/1/2020	120	$2,590,698	$2,329,451	$2,460,075	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
160	Portfolio Management Leadership-4	GBE- Portfolio Office	4572	C210	$ -	$ 1,855,901	$ 1,763,106	3/1/2021	120	$0	$1,748,413	$874,207	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
161	Regulatory/ Compliance	GBE- Regulatory and Compliance	4572	C210	$ 2,718,750	$ -	$ 2,718,750	9/1/2019	120	$2,560,156	$2,288,281	$2,424,219	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
162	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ 508,541	$ -	$ 508,541	3/1/2019	120	$453,449	$402,595	$428,022	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
163	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ 217,614	$ -	$ 217,614	3/1/2020	120	$215,800	$194,039	$204,920	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
164	Business Architecture Design	GBE- Work Management	4572	C210	$ 2,703,676	$ -	$ 2,703,676	12/1/2017	120	$2,072,819	$1,802,451	$1,937,635	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
165	WMFE Program Leadership-1	GBE- Work Management	4572	C210	$ 210,612	$ -	$ 210,612	3/1/2018	120	$166,734	$145,673	$156,204	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
166	Corrosion and I&R Work	GBE- Work Management	4572	C210	$ 23,876,723	$ -	$ 23,876,723	7/1/2018	120	$19,698,296	$17,310,624	$18,504,460	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
167	CU Governance & Library - process	GBE- Work Management	4572	C210	$ 1,492,595	$ -	$ 1,492,595	11/1/2018	120	$1,281,144	$1,131,885	$1,206,514	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
168	WMFE Program Leadership-2	GBE- Work Management	4572	C210	$ 507,323	$ -	$ 507,323	3/1/2019	120	$452,363	$401,631	$426,997	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
169	Company Driven Work: Collections and non-Appointment Offs - Gas	GBE- Work Management	4572	C210	$ 4,808,853	$ -	$ 4,808,853	10/1/2019	120	$4,568,411	$4,087,525	$4,327,968	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
170	Company Driven Work: Collections and non-Appointment Offs- Electric	GBE- Work Management	4572	C198	$ 2,589,382	$ -	$ 2,589,382	10/1/2019	120	$2,459,912	$2,200,974	$2,330,443	7.9910%	47.71%	$ 64,575	$ 123,539	0.00%	$ -	$ -
171	Customer, Leak Investigation & Inspections - Gas	GBE- Work Management	4572	C210	$ 18,594,195	$ -	$ 18,594,195	10/1/2019	120	$17,664,485	$15,805,066	$16,734,775	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
172	Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	$ 10,012,258	$ -	$ 10,012,258	10/1/2019	120	$9,511,645	$8,510,419	$9,011,032	7.9910%	47.71%	$ 249,690	$ 477,685	0.00%	$ -	$ -
173	WMFE Program Leadership-3	GBE- Work Management	4572	C210	$ 550,379	$ -	$ 550,379	3/1/2020	120	$545,792	$490,754	$518,273	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
174	PowerPlan Integration & Enhancements	GBE- Work Management	4572	C210	$ 846,783	$ 1,031,426	$ 1,826,638	6/1/2020	120	$0	$1,674,418	$837,209	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
175	Construction Work & Leak Repair	GBE- Work Management	4572	C210	$ 8,279,323	$ 10,718,386	$ 18,461,790	9/1/2020	120	$0	$17,384,852	$8,692,426	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
176	WMFE Program Leadership-4	GBE- Work Management	4572	C210	$ -	$ 155,062	$ 147,309	3/1/2021	120	$0	$146,081	$73,041	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
177	Work Forecasting & Planning - solution	GBE- Work Management	4572	C210	$ -	$ 1,708,505	$ 1,623,080	5/1/2021	120	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
178	Core Projects & Program Management	GBE- Work Management	4572	C210	$ -	$ 3,134,061	$ 2,977,358	6/1/2021	120	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
179	WMFE Optimization	GBE- Work Management	4572	C210	$ 320,816	$ 2,984,574	$ 3,156,161	3/1/2022	120	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
180	Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT	4426	C175	$ 2,000,000	$ -	$ 2,000,000	10/31/2019	84	$1,880,952	$1,595,238	$1,738,095	7.9910%	23.28%	$ 23,499	$ 66,512	0.00%	$ -	$ -
181	Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	$ 8,500,000	$ -	$ 8,500,000	9/1/2019	84	$7,791,667	$6,577,381	$7,184,524	7.9910%	23.28%	$ 97,137	$ 282,676	0.00%	$ -	$ -
182	Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance	4222	G020	$ 1,540,000	$ -	$ 1,540,000	3/1/2019	84	$1,301,667	$1,081,667	$1,191,667	7.9910%	17.76%	$ 12,292	$ 39,072	6.11%	$ 4,229	$ 13,442
183	US SAP: Business Planning	Growth Play Book-Finance	4217	G020	$ 4,643,000	$ -	$ 4,643,000	3/31/2019	84	$3,979,714	$3,316,429	$3,648,071	7.9910%	17.76%	$ 37,629	$ 117,800	6.11%	$ 12,946	$ 40,527
184	US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	G020	$ 1,315,000	$ -	$ 1,315,000	10/30/2019	84	$1,236,726	$1,048,869	$1,142,798	7.9910%	17.76%	$ 11,788	$ 33,363	6.11%	$ 4,055	$ 11,478
185	DRMS for C&I Demand Response			5210E	$ 3,429,633	$ -	$ 3,429,633	5/1/2019	36	$2,381,690	$1,238,479	$1,810,084	7.9910%	100.00%	$ 105,127	$ 1,143,211	0.00%	$ -	$ -
186	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729	C113	$ 8,526,273	$ -	$ 8,526,273	3/31/2017	84	$4,872,156	$3,654,117	$4,263,136	7.9910%	72.91%	$ 185,552	$ 888,072	0.00%	$ -	$ -
187	Plant Information Historian	NY REV / Grid Mod	4704K	G198	$ 5,600,000	$ 5,827,818	$ 11,427,818	9/30/2020	84	$0	$10,611,545	$5,305,773	7.9910%	41.93%	$ 76,904	$ 342,263	0.00%	$ -	$ -
188	DG IOAP Phase II (Tactical)	NY REV / Grid Mod	4704P	5210E	$ 915,837	$ -	$ 915,837	4/1/2020	84	$915,837	$785,003	$850,420	7.9910%	100.00%	$ 49,391	$ 130,834	0.00%	$ -	$ -
189	E-Commerce Marketplace	NY REV / Grid Mod	4704D	5210E	$ 1,130,816	$ 449,335	$ 1,580,151	5/1/2020	84	$0	$1,373,226	$686,613	7.9910%	100.00%	$ 22,629	$ 206,925	0.00%	$ -	$ -
190	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ 491,473	$ 805,949	$ 1,297,422	5/1/2020	84	$0	$1,127,522	$563,761	7.9910%	100.00%	$ 18,580	$ 169,901	0.00%	$ -	$ -
191	AMI - CSS Enhancements	NY REV / Grid Mod	4704A	C113	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	7.9910%	72.91%	$ -	$ -	0.00%	$ -	$ -
192	Green Button Connect	NY REV / Grid Mod	4704C	C113	$ 2,198,984	$ 873,775	$ 3,072,759	3/31/2021	84	$0	$3,072,759	$1,536,380	7.9910%	72.91%	$ 40,603	$ -	0.00%	$ -	$ -
193	DSP - DG IOAP	NY REV / Grid Mod	4704F	5210E	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
194	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
195	Outdoor Lighting Inventory Portal	NY REV / Grid Mod	4704O	5210E	$ 787,202	$ 312,798	$ 1,100,000	3/31/2021	84	$0	$1,100,000	$550,000	7.9910%	100.00%	$ 19,936	$ -	0.00%	$ -	$ -
196	DRMS for C&I Demand Response (Renewal)			5210E	$ 2,000,000	$ 5,639,675	$ 7,639,675	5/1/2021	12	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
197	Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	5210E	$ -	$ 6,000,000	$ 6,000,000	3/31/2022	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
198	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ 743,347	$ 972,726	$ 1,716,073	3/31/2022	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
199	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	C113	$ -	$ 2,740,467	$ 2,740,467	3/31/2022	84	$0	$0	$0	7.9910%	72.91%	$ -	$ -	0.00%	$ -	$ -
200	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	5210E	$ -	$ 6,099,748	$ 6,099,748	3/31/2022	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
201	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	7.9910%	72.91%	$ -	$ -	0.00%	$ -	$ -
202	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	5210E	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
203	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	C113	$ -	$ -	$ -	3/31/2022	84	$0	$0	$0	7.9910%	72.91%	$ -	$ -	0.00%	$ -	$ -
204	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	5210E	$ 1,300,000	$ 2,759,823	$ 4,059,823	3/31/2022	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
205	Cyber Security	NY REV / Grid Mod	4704N	C113	$ 2,300,000	$ 4,498,947	$ 6,798,947	3/31/2022	84	$0	$0	$0	7.9910%	72.91%	$ -	$ -	0.00%	$ -	$ -
206	Cyber Security	NY REV / Grid Mod	4704N	5210E	$ 3,000,000	$ 7,107,510	$ 10,107,510	3/31/2022	84	$0	$0	$0	7.9910%	100.00%	$ -	$ -	0.00%	$ -	$ -
207	Residential Solar Marketplace	NY REV / Grid Mod		5210E	$ 54,350	$ -	$ 54,350	3/31/2019	36	$36,233	$18,117	$27,175	7.9910%	100.00%	$ 1,578	$ 18,117	0.00%	$ -	$ -
208	INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	$ 1,668,447	$ -	$ 1,668,447	12/16/2016	84	$873,949	$635,599	$754,774	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
209	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851	G181	$ 1,234,000	$ -	$ 1,234,000	3/31/2018	84	$881,429	$705,143	$793,286	7.9910%	74.79%	$ 34,458	$ 131,844	25.21%	$ 11,615	$ 44,442
210	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	Other Mandates	4400	G020	$ 1,126,000	$ -	$ 1,126,000	12/31/2017	84	$764,071	$603,214	$683,643	7.9910%	17.76%	$ 7,052	$ 28,568	6.11%	$ 2,426	$ 9,828
211	Regulatory Mandates - FY18	Other Mandates		G020	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
212	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479	G210	$ 3,000,000	$ -	$ 3,000,000	5/1/2018	84	$2,178,571	$1,750,000	$1,964,286	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
213	Regulatory Mandates - FY19	Other Mandates		G020	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
214	Regulatory Mandates - FY20	Other Mandates		G020	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
215	Regulatory Mandates - FY21	Other Mandates		G020	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
216	Physical Security Replacements - FY17	Physical Security		G020	$ 2,719,184	$ -	$ 2,719,184	3/31/2017	84	$1,553,820	$1,165,365	$1,359,592	7.9910%	17.76%	$ 14,415	$ 68,990	6.11%	$ 4,959	$ 23,735
217	Physical Security Replacements - FY17	Physical Security		G286	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
218	Physical Security Replacements - FY17	Physical Security		G423	$ -	$ -	$ -	3/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
219	Physical Security Replacements - FY18	Physical Security		G020	$ 950,000	$ -	$ 950,000	3/31/2018	84	$678,571	$542,857	$610,714	7.9910%	17.76%	$ 6,299	$ 24,103	6.11%	$ 2,167	$ 8,292
220	All NIMO Physical Security Replacements - FY18	Physical Security		G114	$ 490,000	$ -	$ 490,000	3/31/2018	84	$350,000	$280,000	$315,000	7.9910%	63.00%	$ 11,526	$ 44,100	21.03%	$ 3,847	$ 14,721
221	Physical Security Replacements - FY18	Physical Security		G286	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
222	Physical Security Replacements - FY18	Physical Security		G423	$ -	$ -	$ -	3/31/2018	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
223	Physical Security Replacements - FY19	Physical Security		G020	$ 825,000	$ -	$ 825,000	3/31/2019	84	$707,143	$589,286	$648,214	7.9910%	17.76%	$ 6,686	$ 20,931	6.11%	$ 2,300	$ 7,201
224	All NIMO Physical Security Replacements - FY19	Physical Security		G114	$ 275,000	$ -	$ 275,000	3/31/2019	84	$235,714	$196,429	$216,071	7.9910%	63.00%	$ 7,906	$ 24,750	21.03%	$ 2,639	$ 8,262
225	Physical Security Replacements - FY19	Physical Security		G286	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
226	Physical Security Replacements - FY19	Physical Security		G423	$ -	$ -	$ -	3/31/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
227	Physical Security Replacements - FY20	Physical Security		G020	$ 835,000	$ -	$ 835,000	3/31/2020	84	$835,000	$715,714	$775,357	7.9910%	17.76%	$ 7,998	$ 21,185	6.11%	$ 2,751	$ 7,288
228	All NIMO Physical Security Replacements - FY20	Physical Security		G114	$ 282,000	$ -	$ 282,000	3/31/2020	84	$282,000	$241,714	$261,857	7.9910%	63.00%	$ 9,581	$ 25,380	21.03%	$ 3,198	$ 8,472
229	Physical Security Replacements - FY20	Physical Security		G286	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
230	Physical Security Replacements - FY20	Physical Security		G423	$ -	$ -	$ -	3/31/2020	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 12 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

										4/1/2020	3/31/2021		7.9910%	5210E				5210T			
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
231	Physical Security Replacements - FY21	Physical Security		G020	$ -	$ 860,000	$ 860,000	3/31/2021	84	$0	$860,000	$430,000	7.9910%	17.76%	$ 2,768	$ -	6.11%	$ 952	$ -
232	All NIMO Physical Security Replacements - FY21	Physical Security		G114	$ -	$ 290,000	$ 290,000	3/31/2021	84	$0	$290,000	$145,000	7.9910%	63.00%	$ 3,311	$ -	21.03%	$ 1,105	$ -
233	Physical Security Replacements - FY21	Physical Security		G286	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
234	Physical Security Replacements - FY21	Physical Security		G423	$ -	$ -	$ -	3/31/2021	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
235	INVP 4451 Gas Transportation System Phase II	PSC Mandate	4451	G225	$ -	$ -	$ -	5/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
236	INVP 4347 NYC Leave on for Landlord Program	PSC Mandate	4347	5220G	$ -	$ -	$ -	7/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
237	INVP 4124 Auto Remote Net Meter	PSC Mandate	4124	C198	$ 3,584,165	$ -	$ 3,584,165	12/31/2017	84	$2,432,112	$1,920,089	$2,176,100	7.9910%	47.71%	$ 60,298	$ 244,286	0.00%	$ -	$ -
238	INVP 3839A NY Retail Access Ph2	PSC Mandate	3839A	C170	$ 5,356,231	$ -	$ 5,356,231	10/31/2017	84	$3,507,056	$2,741,880	$3,124,468	7.9910%	40.06%	$ 72,695	$ 306,529	0.00%	$ -	$ -
239	INVP 4411AB Distributed Generation Portal	PSC Mandate	4411A+B	C198	$ 3,347,611	$ -	$ 3,347,611	11/30/2017	84	$2,231,740	$1,753,510	$1,992,625	7.9910%	47.71%	$ 55,214	$ 228,164	0.00%	$ -	$ -
240	INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170	$ 551,447	$ -	$ 551,447	12/31/2017	84	$374,196	$295,418	$334,807	7.9910%	40.06%	$ 7,790	$ 31,559	0.00%	$ -	$ -
241	INVP 4448 Low Income Order CRIS	PSC Mandate	4448	5220G	$ -	$ -	$ -	12/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
242	INVP 4448 Low Income Order CSS	PSC Mandate	4448	C195	$ 2,489,410	$ -	$ 2,489,410	12/31/2017	84	$1,689,243	$1,333,613	$1,511,428	7.9910%	57.91%	$ 50,834	$ 205,945	0.00%	$ -	$ -
243	INVP 4411C New Electric Connections	PSC Mandate	4411C	C198	$ 698,000	$ -	$ 698,000	4/30/2018	84	$506,881	$407,167	$457,024	7.9910%	47.71%	$ 12,664	$ 47,574	0.00%	$ -	$ -
244	INVP 4411D New Gas Connections	PSC Mandate	4411D	C210	$ 896,000	$ -	$ 896,000	10/31/2018	84	$714,667	$586,667	$650,667	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
245	CPE Buyback	Tech. Modernization	4684	G020	$ 5,135,450	$ -	$ 5,135,450	4/1/2017	84	$2,934,543	$2,200,907	$2,567,725	7.9910%	17.76%	$ 27,223	$ 130,294	6.11%	$ 9,366	$ 44,825
246	Active Directory Improvements	Tech. Modernization	4489	G020	$ 275,000	$ -	$ 275,000	3/31/2018	84	$196,429	$157,143	$176,786	7.9910%	17.76%	$ 1,824	$ 6,977	6.11%	$ 627	$ 2,400
247	Application Performance Management (APM)	Tech. Modernization	4490	G020	$ 375,000	$ -	$ 375,000	5/31/2019	84	$330,357	$276,786	$303,571	7.9910%	17.76%	$ 3,131	$ 9,514	6.11%	$ 1,077	$ 3,273
248	RAS/VPN Re-Platform/Mobile	Tech. Modernization	4269	G020	$ 600,000	$ -	$ 600,000	3/16/2018	84	$421,429	$335,714	$378,571	7.9910%	17.76%	$ 3,905	$ 15,223	6.11%	$ 1,343	$ 5,237
249	US Network Programme	Tech. Modernization	4496	G020	$ 3,025,000	$ -	$ 3,025,000	8/31/2018	84	$2,340,774	$1,908,631	$2,124,702	7.9910%	17.76%	$ 21,916	$ 76,749	6.11%	$ 7,540	$ 26,404
250	US VSTIG Programme	Tech. Modernization	4498	G020	$ 2,700,000	$ -	$ 2,700,000	3/31/2018	84	$1,928,571	$1,542,857	$1,735,714	7.9910%	17.76%	$ 17,904	$ 68,503	6.11%	$ 6,159	$ 23,567
251	US Wireless Programme	Tech. Modernization	4499	G020	$ 1,950,000	$ -	$ 1,950,000	3/31/2018	84	$1,392,857	$1,114,286	$1,253,571	7.9910%	17.76%	$ 12,930	$ 49,474	6.11%	$ 4,448	$ 17,021
252	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 450,000	$ -	$ 450,000	5/1/2019	84	$391,071	$326,786	$358,929	7.9910%	17.76%	$ 3,702	$ 11,417	6.11%	$ 1,274	$ 3,928
253	RSA Re-platform	Tech. Modernization	4270	G020	$ 280,000	$ -	$ 280,000	5/1/2019	84	$243,333	$203,333	$223,333	7.9910%	17.76%	$ 2,304	$ 7,104	6.11%	$ 793	$ 2,444
254	Cloud Broker - Hybrid Enablement	Tech. Modernization	3899	G020	$ 250,000	$ -	$ 250,000	3/31/2018	84	$178,571	$142,857	$160,714	7.9910%	17.76%	$ 1,658	$ 6,343	6.11%	$ 570	$ 2,182
255	Office 2010 Upgrade	Tech. Modernization	4265	G020	$ 800,000	$ -	$ 800,000	4/30/2019	84	$695,238	$580,952	$638,095	7.9910%	17.76%	$ 6,582	$ 20,297	6.11%	$ 2,264	$ 6,983
256	Citrix Infrstructue Upgrade (Xenapp and NetScaler)	Tech. Modernization	4279	G020	$ 500,000	$ -	$ 500,000	4/30/2018	84	$363,095	$291,667	$327,381	7.9910%	17.76%	$ 3,377	$ 12,686	6.11%	$ 1,162	$ 4,364
257	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 3,368,613	$ -	$ 3,368,613	4/30/2019	84	$2,927,485	$2,446,255	$2,686,870	7.9910%	17.76%	$ 27,714	$ 85,467	6.11%	$ 9,535	$ 29,403
258	Data Security	Tech. Modernization	4710	G020	$ 1,575,000	$ -	$ 1,575,000	7/30/2019	84	$1,425,000	$1,200,000	$1,312,500	7.9910%	17.76%	$ 13,538	$ 39,960	6.11%	$ 4,658	$ 13,748
259	Orchestration and Self Service	Tech. Modernization	4726	G020	$ 750,000	$ -	$ 750,000	5/30/2019	84	$660,714	$553,571	$607,143	7.9910%	17.76%	$ 6,263	$ 19,029	6.11%	$ 2,155	$ 6,546
260	Virtual Desktop - DaaS	Tech. Modernization	4727	G020	$ 550,000	$ -	$ 550,000	9/30/2018	84	$432,143	$353,571	$392,857	7.9910%	17.76%	$ 4,052	$ 13,954	6.11%	$ 1,394	$ 4,801
261	SCI connections	Tech. Modernization	4495	G020	$ 100,000	$ -	$ 100,000	9/30/2018	84	$78,571	$64,286	$71,429	7.9910%	17.76%	$ 737	$ 2,537	6.11%	$ 253	$ 873
262	US SAP: Dynamic Storage Tiering	Tech. Modernization	4560	G020	$ 969,690	$ 385,310	$ 1,355,000	7/5/2020	84	$0	$1,209,821	$604,911	7.9910%	17.76%	$ 3,613	$ 25,784	6.11%	$ 1,243	$ 8,870
263	ICE Replacement	Tech. Modernization	4491	G020	$ 3,316,000	$ -	$ 3,316,000	10/31/2018	84	$2,644,905	$2,171,190	$2,408,048	7.9910%	17.76%	$ 24,838	$ 84,132	6.11%	$ 8,545	$ 28,944
264	US Network Programme	Tech. Modernization	4496	G020	$ 2,075,000	$ -	$ 2,075,000	3/31/2020	84	$2,075,000	$1,778,571	$1,926,786	7.9910%	17.76%	$ 19,874	$ 52,646	6.11%	$ 6,837	$ 18,112
265	US VSTIG Programme	Tech. Modernization	4498	G020	$ 643,973	$ 1,056,027	$ 1,700,000	9/30/2020	84	$0	$1,578,571	$789,286	7.9910%	17.76%	$ 4,846	$ 21,566	6.11%	$ 1,667	$ 7,419
266	US Wireless Programme	Tech. Modernization	4499	G020	$ 568,211	$ 931,789	$ 1,500,000	9/30/2020	84	$0	$1,392,857	$696,429	7.9910%	17.76%	$ 4,276	$ 19,029	6.11%	$ 1,471	$ 6,546
267	Data Visualisation Expansion	Tech. Modernization	4606	G020	$ 1,872,506	$ 927,494	$ 2,800,000	9/30/2020	84	$0	$2,600,000	$1,300,000	7.9910%	17.76%	$ 7,981	$ 35,520	6.11%	$ 2,746	$ 12,220
268	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Modernization	4562	G020	$ 1,693,200	$ 672,800	$ 2,366,000	3/31/2021	84	$0	$2,366,000	$1,183,000	7.9910%	17.76%	$ 7,616	$ -	6.11%	$ 2,620	$ -
269	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 378,807	$ 621,193	$ 1,000,000	3/31/2021	84	$0	$1,000,000	$500,000	7.9910%	17.76%	$ 3,219	$ -	6.11%	$ 1,107	$ -
270	MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	G020	$ 357,819	$ 142,181	$ 500,000	4/30/2020	84	$0	$434,524	$217,262	7.9910%	17.76%	$ 1,272	$ 11,629	6.11%	$ 438	$ 4,001
271	Improving End User Experience- Cloud based DMZ Service Platform	Tech. Modernization	4723	G020	$ 300,000	$ -	$ 300,000	3/31/2019	84	$257,143	$214,286	$235,714	7.9910%	17.76%	$ 2,431	$ 7,611	6.11%	$ 836	$ 2,619
272	Mobile Broadband POC	Tech. Modernization		G020	$ 100,000	$ -	$ 100,000	3/31/2019	84	$85,714	$71,429	$78,571	7.9910%	17.76%	$ 810	$ 2,537	6.11%	$ 279	$ 873
273	FY19 Edge Projects	Tech. Modernization	4717	G020	$ 715,638	$ 284,362	$ 1,000,000	5/1/2020	84	$0	$869,048	$434,524	7.9910%	17.76%	$ 2,543	$ 23,257	6.11%	$ 875	$ 8,001
274	FY19 Network Projects	Tech. Modernization	4718	G020	$ 715,638	$ 284,362	$ 1,000,000	5/1/2020	84	$0	$869,048	$434,524	7.9910%	17.76%	$ 2,543	$ 23,257	6.11%	$ 875	$ 8,001
275	Digital Asset Management (DAM)	Tech. Modernization	4711	G020	$ 357,819	$ 142,181	$ 500,000	5/1/2020	84	$0	$434,524	$217,262	7.9910%	17.76%	$ 1,272	$ 11,629	6.11%	$ 438	$ 4,001
276	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 3,973,236	$ -	$ 3,973,236	3/31/2020	84	$3,973,236	$3,405,631	$3,689,433	7.9910%	17.76%	$ 38,056	$ 100,807	6.11%	$ 13,092	$ 34,681
277	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 3,368,613	$ -	$ 3,368,613	4/1/2020	84	$3,368,613	$2,887,383	$3,127,998	7.9910%	17.76%	$ 32,265	$ 85,467	6.11%	$ 11,100	$ 29,403
278	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 3,368,613	$ -	$ 3,368,613	4/1/2020	84	$3,368,613	$2,887,383	$3,127,998	7.9910%	17.76%	$ 32,265	$ 85,467	6.11%	$ 11,100	$ 29,403
279	EUC, network, and data center strategy	Tech. Modernization	4715	G020	$ 1,542,858	$ -	$ 1,542,858	4/1/2020	84	$1,542,858	$1,322,450	$1,432,654	7.9910%	17.76%	$ 14,778	$ 39,145	6.11%	$ 5,084	$ 13,467
280	Data Security	Tech. Modernization	4710	G020	$ 1,575,000	$ -	$ 1,575,000	4/1/2020	84	$1,575,000	$1,350,000	$1,462,500	7.9910%	17.76%	$ 15,085	$ 39,960	6.11%	$ 5,190	$ 13,748
281	FY19 Data Centre Projects	Tech. Modernization	4716	G020	$ 2,000,000	$ -	$ 2,000,000	4/1/2020	84	$2,000,000	$1,714,286	$1,857,143	7.9910%	17.76%	$ 19,156	$ 50,743	6.11%	$ 6,590	$ 17,457
282	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization	4706	G020	$ 3,300,000	$ -	$ 3,300,000	4/1/2019	84	$2,828,571	$2,357,143	$2,592,857	7.9910%	17.76%	$ 26,745	$ 83,726	6.11%	$ 9,201	$ 28,804
283	US Video Conference Programme	Tech. Modernization	4497	G020	$ 1,650,000	$ -	$ 1,650,000	4/1/2020	84	$1,650,000	$1,414,286	$1,532,143	7.9910%	17.76%	$ 15,804	$ 41,863	6.11%	$ 5,437	$ 14,402
284	US SAP: Enhancement Pack 9 Upgrade	Tech. Modernization	4564	G020	$ 4,942,257	$ 3,878,743	$ 8,821,000	3/31/2021	84	$0	$8,821,000	$4,410,500	7.9910%	17.76%	$ 28,393	$ -	6.11%	$ 9,768	$ -
285	US Network Programme	Tech. Modernization	4496	G020	$ 1,127,130	$ 447,870	$ 1,575,000	3/31/2021	84	$0	$1,575,000	$787,500	7.9910%	17.76%	$ 5,070	$ -	6.11%	$ 1,744	$ -
286	US VSTIG Programme	Tech. Modernization	4498	G020	$ 265,165	$ 434,835	$ 700,000	3/31/2021	84	$0	$700,000	$350,000	7.9910%	17.76%	$ 2,253	$ -	6.11%	$ 775	$ -
287	US Wireless Programme	Tech. Modernization	4499	G020	$ 568,211	$ 931,789	$ 1,500,000	3/31/2021	84	$0	$1,500,000	$750,000	7.9910%	17.76%	$ 4,828	$ -	6.11%	$ 1,661	$ -
288	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 378,807	$ 621,193	$ 1,000,000	3/31/2021	84	$0	$1,000,000	$500,000	7.9910%	17.76%	$ 3,219	$ -	6.11%	$ 1,107	$ -
289	Service Now - Release 3	Tech. Modernization	4261	G020	$ 1,235,433	$ 2,164,567	$ 3,400,000	3/31/2021	84	$0	$3,400,000	$1,700,000	7.9910%	17.76%	$ 10,944	$ -	6.11%	$ 3,765	$ -
290	IS Tools	Tech. Modernization	4513	G020	$ 325,293	$ 74,707	$ 400,000	3/31/2021	84	$0	$400,000	$200,000	7.9910%	17.76%	$ 1,288	$ -	6.11%	$ 443	$ -
291	FY20 Edge Projects	Tech. Modernization	4720	G020	$ 1,422,634	$ 577,366	$ 2,000,000	3/31/2021	84	$0	$2,000,000	$1,000,000	7.9910%	17.76%	$ 6,438	$ -	6.11%	$ 2,215	$ -
292	FY20 Network Projects	Tech. Modernization	4721	G020	$ 2,515,229	$ 1,484,771	$ 4,000,000	3/31/2021	84	$0	$4,000,000	$2,000,000	7.9910%	17.76%	$ 12,875	$ -	6.11%	$ 4,429	$ -
293	EMM Licenses	Tech. Modernization	4713	G020	$ 944,642	$ 375,358	$ 1,320,000	3/31/2021	84	$0	$1,320,000	$660,000	7.9910%	17.76%	$ 4,249	$ -	6.11%	$ 1,462	$ -
294	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 2,305,091	$ 1,668,145	$ 3,973,236	3/31/2021	84	$0	$3,973,236	$1,986,618	7.9910%	17.76%	$ 12,789	$ -	6.11%	$ 4,400	$ -
295	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 2,307,364	$ 1,671,872	$ 3,979,236	3/31/2021	84	$0	$3,979,236	$1,989,618	7.9910%	17.76%	$ 12,808	$ -	6.11%	$ 4,406	$ -
296	Data Security	Tech. Modernization	4710	G020	$ 1,127,130	$ 447,870	$ 1,575,000	3/31/2021	84	$0	$1,575,000	$787,500	7.9910%	17.76%	$ 5,070	$ -	6.11%	$ 1,744	$ -
297	Hardware and Software Upgrades	Tech. Modernization	4722	G020	$ 2,296,454	$ 5,203,546	$ 7,500,000	3/31/2021	84	$0	$7,500,000	$3,750,000	7.9910%	17.76%	$ 24,141	$ -	6.11%	$ 8,305	$ -
298	Data Centre Consolidation efforts	Tech. Modernization	4709	G020	$ 1,500,000	$ 2,000,000	$ 3,500,000	3/31/2021	84	$0	$3,500,000	$1,750,000	7.9910%	17.76%	$ 11,266	$ -	6.11%	$ 3,876	$ -
299	FY20 Data Centre Projects	Tech. Modernization	4719	G020	$ 1,400,000	$ 2,600,000	$ 4,000,000	3/31/2021	84	$0	$4,000,000	$2,000,000	7.9910%	17.76%	$ 12,875	$ -	6.11%	$ 4,429	$ -
300	Enterprise Data Management Platform	Tech. Modernization	4582	G020	$ 800,000	$ 2,554,794	$ 3,354,794	6/1/2021	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
301	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 800,000	$ 2,945,722	$ 3,745,722	3/31/2022	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
302	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 800,000	$ 2,945,722	$ 3,745,722	3/31/2022	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
	Total IS				$ 596,620,295	$ 143,612,936	$ 737,852,584			$ 395,321,252	$ 486,664,076	$ 440,992,664			$ 3,385,798	$ 12,007,336		$ 693,993	$ 2,257,270

NIMO E $ 18,344,396

Case 17-E-0238
Appendix 5
Schedule 19
Page 13 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
1	INVP 3564 Cust Choice ESCO Gas	INVP 3564 Customer Choice ESCO Gas Management	3564	90000134705	NO	C225	$ 14,409,951	10/1/2016	84	$11,322,104	$9,263,540	$10,292,822	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
2	INVP 4172 - Cross Company Customer	INVP 4172 - Cross Company Customer System Enhancements	4172	90000164925	YES	C175	$ 13,889,170	9/1/2016	84	$10,747,572	$8,763,405	$9,755,488	8.0710%	23.28%	$ 138,498	$ 461,898	0.00%	$ -	$ -
3	INVP 4102 - Capture Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	G207	$ 303,525	9/1/2016	84	$234,870	$191,510	$213,190	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
4	INVP 4244 - US Control EBB Gas	INVP 4244 - US Control EBB Gas Trading Day Changes	4244	90000171826	YES	G210	$ 617,691	7/1/2016	84	$463,268	$375,027	$419,148	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
5	INVP 3914 - Bill Print Facility	INVP 3914 - Bill Print Facility Relocation Support	3914	90000171335	YES	C175	$ 317,738	7/1/2016	84	$238,304	$192,912	$215,608	8.0710%	23.28%	$ 3,065	$ 10,567	0.00%	$ -	$ -
6	INVP3629 Cascade System for Gas	INVP3629 Cascade System for Gas	3629	90000134436	YES	G210	$ 2,353,207	7/1/2016	84	$1,764,906	$1,428,733	$1,596,819	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
7	INVP3853 NMPC C-Cure Conv to AMAG	INVP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000145855	YES	G113	$ 822,678	7/1/2016	84	$617,008	$499,483	$558,246	8.0710%	79.46%	$ 27,088	$ 93,386	0.00%	$ -	$ -
8	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (76,185)	6/1/2016	120	$0	$0	$0	8.0710%	17.76%	$ 448	$ -	6.11%	$ 154	$ -
9	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ (379,815)	6/1/2016	120	$0	$0	$0	8.0710%	17.76%	$ 2,231	$ -	6.11%	$ 768	$ -
10	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ (149,379)	6/1/2016	120	$0	$0	$0	8.0710%	17.76%	$ 877	$ -	6.11%	$ 302	$ -
11	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 413,864	5/1/2016	84	$300,544	$241,420	$270,982	8.0710%	17.76%	$ 2,943	$ 10,500	6.11%	$ 1,013	$ 3,612
12	INVP3839 NY Retail Access	INVP3839 NY Retail Access Mandate	3839	90000141799	YES	G170	$ 2,330,372	5/1/2016	84	$1,692,294	$1,359,384	$1,525,839	8.0710%	43.49%	$ 40,582	$ 144,783	0.00%	$ -	$ -
13	INVP2583 CRIS Migration	INVP 2583 CRIS Migration to CSS System	2583	90000137839	NO	C225	$ -	5/1/2016	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
14	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 6,823,937	5/1/2016	84	$4,955,478	$3,980,630	$4,468,054	8.0710%	17.76%	$ 48,528	$ 173,133	6.11%	$ 16,695	$ 59,563
15	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (3,665,858)	5/1/2016	120	$0	$0	$0	8.0710%	17.76%	$ 21,534	$ -	6.11%	$ 7,408	$ -
16	INVP4024 Soft Off Program	INVP4024 Soft Off Program	4024	90000156429	YES	G207	$ 1,285,464	4/1/2016	84	$918,398	$734,351	$826,370	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
17	INVP 3883 Mobile Device for PTO, Me	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	90000153451	YES	G175	$ 1,743,812	4/1/2016	84	$1,245,780	$996,464	$1,121,022	8.0710%	21.83%	$ 14,977	$ 54,382	0.00%	$ -	$ -
18	IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software-INVP3136 NE Gas Leaks Rechecks	3136	90000124374	NO	G310	$ 1,326,238	3/1/2016	84	$931,524	$742,062	$836,793	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
19	INVP 4133 - LI Stabilization	INVP 4133 - LI Stabilization	4133	90000163306	NO	5230G	$ 677,092	3/1/2016	84	$475,576	$378,849	$427,213	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
20	INVP3492 CI Services Foundation	INVP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	$ 2,570,472	2/1/2016	84	$1,774,850	$1,407,640	$1,591,245	8.0710%	17.76%	$ 16,951	$ 65,217	6.11%	$ 5,832	$ 22,437
21	INVP3600B US Web Initiatives 2	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	$ 4,153,761	2/1/2016	84	$2,868,073	$2,274,679	$2,571,376	8.0710%	21.83%	$ 33,669	$ 129,538	0.00%	$ -	$ -
22	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 2,078	2/1/2016	120	$1,628	$1,420	$1,524	8.0710%	17.76%	$ 16	$ 37	6.11%	$ 6	$ 13
23	INVP 3375D Challenge Limits Letters	INVP3375D- Challenge the Limits Letters	3375D	90000140579	YES	G113	$ 409,859	2/1/2016	84	$282,998	$224,447	$253,722	8.0710%	79.46%	$ 12,082	$ 46,525	0.00%	$ -	$ -
24	INVP2495H US CNI Frame Relay Replac	INVP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	$ 6,532,674	2/1/2016	84	$4,510,656	$3,577,417	$4,044,036	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
25	INVP 4074 - MA Gas 4 Hour Appt	INVP 4074 - MA Gas 4 Hour Appointment	4074	90000160435	NO	C310	$ 291,566	1/1/2016	84	$197,848	$156,196	$177,022	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
26	INVP 3237 Street Light Outage Impro	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	$ 324,546	1/1/2016	84	$220,228	$173,864	$197,046	8.0710%	41.93%	$ 5,652	$ 19,440	0.00%	$ -	$ -
27	INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade	4323	90000171825	YES	G020	$ 2,868,015	11/1/2016	84	$2,287,383	$1,877,867	$2,082,725	8.0710%	22.53%	$ 72,766	$ 7,751	6.11%	$ 7,751	$ 25,034
28	INVP 1172 - AMAG Upgrades	Access Control & Alarm Monitoring System	1172	90000112731	YES	G020	$ 6,129,079	11/1/2016	84	$4,888,670	$4,013,087	$4,450,879	8.0710%	17.76%	$ 48,147	$ 155,503	6.11%	$ 16,564	$ 53,498
29	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ 1,747,846	11/1/2016	84	$1,394,116	$1,144,423	$1,269,269	8.0710%	17.76%	$ 13,730	$ 44,345	6.11%	$ 4,724	$ 15,256
30	INVP 4266 - End User Device Refresh	INVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	$ 294,858	11/1/2016	84	$235,185	$193,062	$214,123	8.0710%	17.76%	$ 2,316	$ 7,481	6.11%	$ 797	$ 2,574
31	EHR1 - Payroll	EHR1 - Payroll	USFP	90000148062	YES	G012	$ 6,240,543	12/1/2015	84	$4,160,362	$3,268,856	$3,714,609	8.0710%	17.76%	$ 39,604	$ 158,331	6.11%	$ 13,625	$ 54,471
32	EHR1 - Finance	EHR1 - Finance	USFP	90000148060	YES	G012	$ 10,024,521	12/1/2015	84	$6,683,014	$5,250,919	$5,966,977	8.0710%	17.76%	$ 63,619	$ 254,336	6.11%	$ 21,887	$ 87,500
33	EHR1 - Supply Chain	EHR1 - Supply Chain	USFP	90000148059	YES	G012	$ 18,657,154	12/1/2015	84	$12,438,303	$9,772,795	$11,105,449	8.0710%	17.76%	$ 118,404	$ 473,359	6.11%	$ 40,735	$ 162,850
34	EHR1 - IT Delivery	EHR1 - IT Delivery	USFP	90000148061	YES	G012	$ 2,568,884	12/1/2015	120	$1,969,478	$1,712,589	$1,841,034	8.0710%	17.76%	$ 19,553	$ 45,623	6.11%	$ 6,727	$ 15,696
35	EHR1 - PMO	EHR1 - PMO	USFP	90000148055	YES	G012	$ 8,346,172	12/1/2015	84	$5,564,115	$4,371,804	$4,967,959	8.0710%	17.76%	$ 52,967	$ 211,754	6.11%	$ 18,222	$ 72,850
36	EHR1 - BPS	EHR1 - BPS	USFP	90000148063	YES	G012	$ 14,956,768	12/1/2015	84	$9,971,179	$7,834,498	$8,902,838	8.0710%	17.76%	$ 94,920	$ 379,475	6.11%	$ 32,656	$ 130,551
37	DMS/OMS Replacement	NONE	N/A	90000098917	YES	G198	$ 65,683,888	12/1/2015	84	$43,789,259	$34,405,846	$39,097,552	8.0710%	41.93%	$ 984,151	$ 3,934,465	0.00%	$ -	$ -
38	INVP 3373B- Challenge the Limits XML	INVP3373B- Challenge the Limits XML	3373B	90000140573	YES	G179	$ 616,276	12/1/2015	84	$410,851	$322,811	$366,831	8.0710%	35.18%	$ 7,747	$ 30,972	0.00%	$ -	$ -
39	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ 12,524,547	10/1/2015	120	$9,393,410	$8,140,956	$8,767,183	8.0710%	17.76%	$ 93,154	$ 222,436	6.11%	$ 32,048	$ 76,525
40	INVP2960C - GridForce SaaS Ph2	INVP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	G210	$ -	9/1/2015	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
41	INVP2940-GRC Enterprise Risk & Comp	Capitalized Software	2940	90000109629	YES	G012	$ 3,552,013	8/1/2015	84	$2,198,865	$1,691,435	$1,945,150	8.0710%	17.76%	$ 20,780	$ 90,120	6.11%	$ 7,149	$ 31,004
42	INVP2892B Security Access Panels	INVP2892B Security Access Panels NERC CIP Compliance	2892B	90000142250	YES	G432	$ 686,428	8/1/2015	84	$424,931	$326,870	$375,901	8.0710%	0.00%	$ -	$ -	35.13%	$ 7,943	$ 34,449
43	IN 1043 NE EMS Replacement	Replacement for WO 90000957347 to properly book the WO under the correct Intangible CWIP and asset G/L accounts.	1043	90000157429	NO	U273	$ 29,309,502	7/1/2015	84	$17,795,055	$13,607,983	$15,701,519	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
44	INVP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm	2970	90000133046	YES	G020	$ 1,752,601	4/1/2015	84	$1,001,486	$751,115	$876,300	8.0710%	17.76%	$ 9,384	$ 44,466	6.11%	$ 3,228	$ 15,298
45	IN 3124B GLOBAL HR STRATEGY	IN 3124B GLOBAL HR STRATEGY	3124B	90000119765	YES	G020	$ 1,752,217	4/1/2015	84	$1,001,267	$750,950	$876,109	8.0710%	17.76%	$ 9,382	$ 44,456	6.11%	$ 3,228	$ 15,294
46	INVP3615 Success Enterprise Reporti	Capitalized Software-INVP 3615 Success Enterprise Mgmt	3615	90000134377	YES	G186	$ 623,254	3/1/2015	84	$348,726	$259,689	$304,207	8.0710%	30.74%	$ 5,642	$ 27,370	10.99%	$ 2,017	$ 9,785
47	USFP-Testing -R1	NONE	USFP	90000107542	YES	G012	$ -	3/1/2015	120	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
48	INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	$ 647,273	3/1/2015	84	$362,165	$269,697	$315,931	8.0710%	17.76%	$ 3,385	$ 16,422	6.11%	$ 1,165	$ 5,650
49	INVP 1549B Meter Reading System Con	Capitalized Software-INVP 1549B Meter Reading	1549B	90000120707	YES	G175	$ 1,174,502	3/1/2015	84	$657,162	$489,376	$573,269	8.0710%	21.83%	$ 7,550	$ 36,628	0.00%	$ -	$ -
50	INVP3022 Internet Toolset	INVP3022 Internet Toolset	3022	90000138893	YES	G175	$ -	3/1/2015	84	$0	$0	$0	8.0710%	21.83%	$ -	$ -	0.00%	$ -	$ -
51	INVP 3378 Rubber Goods Testing	INVP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	$ 396,375	3/1/2015	84	$221,781	$165,156	$193,469	8.0710%	30.74%	$ 3,588	$ 17,407	10.99%	$ 1,283	$ 6,223
52	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	$ 782,169	3/1/2015	84	$437,642	$325,904	$381,773	8.0710%	17.76%	$ 4,091	$ 19,845	6.11%	$ 1,407	$ 6,827
53	INVP0823c Laptop & Port Device Info	INVP0823c Laptop & Port Device Info	0823c	90000105318	YES	G012	$ 2,543,084	3/1/2015	84	$1,422,916	$1,059,618	$1,241,267	8.0710%	17.76%	$ 13,301	$ 64,522	6.11%	$ 4,576	$ 22,197
54	INVP823D Guardium	INVP823D Guardium	823D	90000141134	YES	G012	$ -	3/1/2015	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
55	INVP2960C GridForce SaaS Phase 2	INVP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	$ 3,254,217	3/1/2015	84	$1,820,812	$1,355,314	$1,588,308	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
56	INVP 3600 - US Web Initiatives	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	$ 1,380,415	3/1/2015	84	$772,375	$575,173	$673,774	8.0710%	23.28%	$ 9,463	$ 45,907	0.00%	$ -	$ -
57	INVP 3039 US eDiscovery	Capitalized Software-INVP 3039 EDiscovery	3039	90000118116	YES	G012	$ 393,008	3/1/2015	84	$219,897	$163,753	$191,825	8.0710%	17.76%	$ 2,055	$ 9,971	6.11%	$ 707	$ 3,430
58	INVP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	G012	$ 244,374	3/1/2015	84	$136,733	$101,823	$119,278	8.0710%	17.76%	$ 1,278	$ 6,200	6.11%	$ 440	$ 2,133
59	INVP 2982b Identity & Access Mgt Pr	INVP 2982b Identity & Access Mgt Pr	2982b	90000133826	YES	G012	$ 3,576,972	3/1/2015	84	$2,001,401	$1,490,405	$1,745,903	8.0710%	17.76%	$ 18,708	$ 90,753	6.11%	$ 6,436	$ 31,222
60	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ - 1	2/1/2015	84	$0	$0	$0	8.0710%	17.76%	$ 0	$ 0	6.11%	$ 0	$ 0
61	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 7,489,757	2/1/2015	120	$5,118,001	$4,369,025	$4,743,513	8.0710%	17.76%	$ 67,994	$ 133,018	6.11%	$ 23,392	$ 45,762
62	USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery	USFP	90000142344	YES	G012	$ 9,575,835	1/1/2015	120	$6,463,089	$5,506,105	$5,984,897	8.0710%	17.76%	$ 63,740	$ 170,067	6.11%	$ 21,929	$ 58,508
63	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ 9,814,175	1/1/2015	120	$6,624,568	$5,643,150	$6,133,859	8.0710%	17.76%	$ 65,327	$ 174,300	6.11%	$ 22,474	$ 59,965
64	INVP 2577 GIS Consol Ph 2	INVP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	$ 2,882,206	1/1/2015	84	$1,544,039	$1,132,295	$1,338,167	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
65	INVP 2983a CNI Network Security Pro	Capitalized Software	2983a	90000113827	YES	G012	$ 115,489	12/1/2014	84	$60,494	$43,596	$52,245	8.0710%	17.76%	$ 561	$ 2,930	6.11%	$ 193	$ 1,008
66	Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	NO	G284	$ 186,308	10/1/2014	84	$93,154	$66,538	$79,846	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
67	New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	N/A	90000100684	NO	G284	$ 88,951	10/1/2014	84	$44,475	$31,768	$38,122	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
68	INVP 1643B - NY Commodity Rates	INVP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	$ 18,216	10/1/2014	84	$9,308	$6,506	$7,807	8.0710%	79.46%	$ 376	$ 2,068	0.00%	$ -	$ -
69	IN 1642--Radio Standardization Cons	IN 1642--Radio Standardization Cons Capitalized Software	1642	90000099327	YES	G012	$ 130,644	10/1/2014	84	$65,322	$46,659	$55,990	8.0710%	17.76%	$ 602	$ 3,315	6.11%	$ 207	$ 1,140
70	IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	NO	C225	$ 66,932	8/1/2014	84	$31,872	$22,311	$27,092	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
71	INVP 2162 - PRIMAVERA EXPANSION	INVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104730	YES	G376	$ 228,928	7/1/2014	84	$106,288	$73,984	$89,936	8.0710%	0.00%	$ -	$ -	8.15%	$ 445	$ 2,665
72	INVP1485 Computapole Migration W7	INVP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	$ 874,103	7/1/2014	84	$405,834	$280,962	$343,398	8.0710%	30.74%	$ 6,412	$ 38,386	10.99%	$ 2,292	$ 13,723
73	1642 - Radio Standardization Cons	IN 1642--Radio Standardization Cons - Capitalized Software	1642	90000099326	YES	G012	$ 3,046,691	7/1/2014	84	$1,414,535	$979,294	$1,196,914	8.0710%	17.76%	$ 12,912	$ 77,299	6.11%	$ 4,442	$ 26,593
74	INVP2997B EVM Phase 2	INVP2997B Earned Value Management Phase 2 - Capitalized Software	2997B	90000134297	YES	G186	$ 138,248	7/1/2014	84	$64,187	$44,437	$54,312	8.0710%	30.74%	$ 1,014	$ 6,071	10.99%	$ 363	$ 2,170
75	IN 1182 GAS TRANSPORT SYS (GTIS)	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	$ 1,780,960	7/1/2014	84	$826,874	$572,451	$699,663	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 14 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
76	INVP 2997 Earned Value Mgmt Rptg	INVP 2997 Earned Value Mgmt Rptg - Capitalized Software	2997	90000120197	YES	G186	$ 603,575	7/1/2014	84	$280,231	$194,006	$237,119	8.0710%	30.74%	$ 4,427	$ 26,506	10.99%	$ 1,583	$ 9,476
77	INVP3374 SmallWorld GIS FY13 R 1-2	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	90000120127	YES	G198	$ 309,785	7/1/2014	84	$143,829	$99,574	$121,701	8.0710%	41.93%	$ 3,300	$ 18,556	0.00%	$ -	$ -
78	IN N/A NE & NY EMS NERC-CIP Auth MW	IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	$ 64,286	3/1/2014	84	$26,786	$17,602	$22,194	8.0710%	0.00%	$ -	$ -	48.12%	$ 652	$ 4,419
79	INVP 0887	Capitalized Software	887	90000104068	YES	G077	$ 258,131	3/1/2014	84	$107,555	$70,679	$89,117	8.0710%	27.98%	$ 1,522	$ 10,318	9.98%	$ 543	$ 3,680
80	INVP 1242 - WCOR01	INVP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198	$ 3,750	3/1/2014	84	$1,562	$1,027	$1,295	8.0710%	41.93%	$ 33	$ 225	0.00%	$ -	$ -
81	Meter Route Consol	INVP 1182B Gas Transportation System Meter Route Consol	1182B	90000124368	NO	G227	$ 410,384	3/1/2014	84	$170,993	$112,367	$141,680	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
82	INVP N/A- NE EMS TSS	INVP N/A NE EMS TSS Capitalized Software	N/A	90000104968	NO	G272	$ 255,055	3/1/2014	84	$106,273	$69,837	$88,055	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
83	IN1182BGAS TRANS SYS PHASE 2 (GTS)	Capitalized Software - IN1182BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237	$ 1,675,640	3/1/2014	84	$698,184	$458,806	$578,495	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
84	GAS Transformation	GAS Transformation	N/A	90000096386	YES	G012	$ 114,360	3/1/2014	84	$47,650	$31,313	$39,482	8.0710%	17.76%	$ 428	$ 2,901	6.11%	$ 147	$ 998
85	INVP 2981 US Security Awareness	INVP 2981 US Security Awareness Cap Software	2981	90000117533	YES	G012	$ 250,393	3/1/2014	84	$104,330	$68,560	$86,445	8.0710%	17.76%	$ 917	$ 6,353	6.11%	$ 322	$ 2,186
86	INVP 3393 Enhancement of Reservior W	INVP 3393 Enhancement of Reservior Woods Capitalized Software	3393	90000122634	YES	J063	$ 101,136	2/1/2014	84	$40,936	$26,488	$33,712	8.0710%	9.74%	$ 201	$ 1,407	3.88%	$ 80	$ 561
87	Inspect System Resources/Hard/Softw	Capitalized Software	N/A	90000104057	YES	G160	$ 26,246	2/1/2014	84	$10,624	$6,874	$8,749	8.0710%	27.24%	$ 146	$ 1,021	9.63%	$ 51	$ 361
88	INVP 3294 - PowerPlant Leased Asset	Capitalized Software	3294	90000117978	YES	G012	$ 969,208	2/1/2014	84	$392,299	$253,840	$323,069	8.0710%	17.76%	$ 3,506	$ 24,590	6.11%	$ 1,206	$ 8,460
89	STD01-Concept Est Tool	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104104	YES	G198	$ 873,898	2/1/2014	84	$353,721	$228,878	$291,299	8.0710%	41.93%	$ 7,464	$ 52,346	0.00%	$ -	$ -
90	CM-NEW02-Simp Order Proc	Capitalized Software	NEW02	90000104149	YES	G198	$ 7,803	2/1/2014	84	$3,158	$2,044	$2,601	8.0710%	41.93%	$ 67	$ 467	0.00%	$ -	$ -
91	INVP 3103 Business Capture Software	INVP 3103 IRISE Capitalized Software	3103	90000106874	YES	G012	$ 3,036,545	2/1/2014	84	$1,229,078	$795,286	$1,012,182	8.0710%	17.76%	$ 10,986	$ 77,041	6.11%	$ 3,779	$ 26,505
92	WCLS 13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198	$ 20,566	2/1/2014	84	$8,324	$5,386	$6,855	8.0710%	41.93%	$ 176	$ 1,232	0.00%	$ -	$ -
93	INVP 3195 Storms Archive Tool Imple	INVP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160	$ 627,573	12/1/2013	84	$239,076	$149,422	$194,249	8.0710%	27.24%	$ 3,244	$ 24,422	9.63%	$ 1,147	$ 8,634
94	INVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	90000107276	YES	G012	$ 1,023,605	11/1/2013	84	$377,759	$231,530	$304,644	8.0710%	17.76%	$ 3,322	$ 25,970	6.11%	$ 1,143	$ 8,935
95	INVP 3232A - Tallyman & Paperless B	Capitalized Software	3232A	90000116954	YES	G179	$ 953,115	11/1/2013	84	$351,745	$215,585	$283,665	8.0710%	35.18%	$ 6,128	$ 47,901	0.00%	$ -	$ -
96	INVP 1643C - NIMO EL TOU + Deposits	Capitalized Software	1643C	90000116900	YES	G179	$ 606,020	11/1/2013	84	$223,650	$137,076	$180,363	8.0710%	35.18%	$ -	$ 30,457	0.00%	$ -	$ -
97	INVP 3307 iFactor Storm Center Host	Capitalized Software	3307	90000119141	YES	G012	$ 668,684	11/1/2013	84	$246,776	$151,250	$199,013	8.0710%	17.76%	$ 2,170	$ 16,965	6.11%	$ 747	$ 5,837
98	INVP1549-Non-Interval Collect Sys C	Capitalized Software	1549	90000107743	YES	G012	$ 1,099,783	11/1/2013	84	$405,872	$248,760	$327,316	8.0710%	17.76%	$ 3,570	$ 27,903	6.11%	$ 1,228	$ 9,600
99	INVP 1356A US Retail Web Customer &	INVP 1356A US Retail Web Customer & Markets	1356A	90000100058	YES	G179	$ 6,726,634	11/1/2013	84	$2,482,448	$1,521,501	$2,001,975	8.0710%	35.18%	$ 43,247	$ 338,061	0.00%	$ -	$ -
100	INVP 2732 US Storage Switch Replace	Capitalized Software	2732	90000104631	YES	G012	$ 588,353	11/1/2013	84	$217,130	$133,080	$175,105	8.0710%	17.76%	$ 1,910	$ 14,927	6.11%	$ 657	$ 5,135
101	EDOT-Customer Management-CM-NEW03	Capitalized Software	NEW03	90000093776	YES	G198	$ 208,231	11/1/2013	84	$76,847	$47,100	$61,973	8.0710%	41.93%	$ 1,396	$ 12,473	0.00%	$ -	$ -
102	INVP 1389 US Computing Minor Works	Capitalized Software	1389	90000104257	YES	G012	$ 267,594	11/1/2013	84	$98,755	$60,527	$79,641	8.0710%	17.76%	$ 869	$ 6,789	6.11%	$ 299	$ 2,336
103	INVP 2832 - ACIS Alliance Contracts	Capitalized Software	2832	90000112827	YES	G186	$ 324,412	11/1/2013	84	$119,723	$73,379	$96,551	8.0710%	30.74%	$ 1,822	$ 14,246	10.99%	$ 652	$ 5,093
104	IN 2172-IDS Reporting & Analysis	Capitalized Software	2172	90000106487	YES	G198	$ 710,520	11/1/2013	84	$262,216	$160,713	$211,464	8.0710%	41.93%	$ 5,445	$ 42,560	0.00%	$ -	$ -
105	Global Web Implementation	Capitalized Software	N/A	90000095326	YES	G012	$ 4,281,380	11/1/2013	84	$1,580,033	$968,407	$1,274,220	8.0710%	17.76%	$ 13,896	$ 108,625	6.11%	$ 4,781	$ 37,370
106	INVP 3076-QAS Address Hygiene	Capitalized Software	3076	90000109487	YES	G012	$ 270,279	11/1/2013	84	$99,746	$61,135	$80,440	8.0710%	17.76%	$ 877	$ 6,857	6.11%	$ 302	$ 2,359
107	INVP 3210 - Infographics Conversion	Capitalized Software	3210	90000116474	NO	G259	$ 1,327,228	11/1/2013	84	$489,810	$300,206	$395,008	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
108	INVP2135-Cust Choice Email Tracking	Capitalized Software	2135	90000113005	YES	G012	$ 621,113	11/1/2013	84	$229,220	$140,490	$184,855	8.0710%	17.76%	$ 2,016	$ 15,759	6.11%	$ 694	$ 5,421
109	IN 2522 VTL REPLACEMENT US	INVP2522 VTL Replacement Cap Software	2522	90000104630	YES	H171	$ 648,194	11/1/2013	84	$239,214	$146,615	$192,915	8.0710%	16.66%	$ 1,974	$ 15,427	0.00%	$ -	$ -
110	IN2960B CRM SAAS IMPLEMEN	Software-INVP 2960B CRM Salesforce SaaS	2960B	90000119937	YES	G175	$ 1,117,121	10/1/2013	84	$398,972	$239,383	$319,177	8.0710%	21.83%	$ 4,286	$ 34,838	0.00%	$ -	$ -
111	INVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	90000118115	YES	G012	$ 326,615	10/1/2013	84	$116,648	$69,989	$93,319	8.0710%	17.76%	$ 1,020	$ 8,287	6.11%	$ 351	$ 2,851
112	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ (2,545,646)	4/1/2013	120	$0	$0	$0	8.0710%	17.76%	$ 14,953	$ -	6.11%	$ 5,144	$ -
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097844	YES	G012	$ (284,633)	4/1/2013	120	$0	$0	$0	8.0710%	17.76%	$ 1,672	$ -	6.11%	$ 575	$ -
114	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ (2,195,181)	4/1/2013	120	$0	$0	$0	8.0710%	17.76%	$ 12,895	$ -	6.11%	$ 4,436	$ -
115	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ 2,195,181	11/1/2012	120	$1,006,125	$786,607	$896,366	8.0710%	17.76%	$ 9,657	$ 38,986	6.11%	$ 3,322	$ 13,413
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ 284,633	11/1/2012	120	$130,457	$101,594	$116,225	8.0710%	17.76%	$ 1,252	$ 5,055	6.11%	$ 431	$ 1,739
117	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ 2,545,646	11/1/2012	120	$1,166,754	$912,190	$1,039,472	8.0710%	17.76%	$ 11,199	$ 45,211	6.11%	$ 3,853	$ 15,554
118	USFP-PMO - R1	Capitalized Software-USFP-PMO - R1	USFP	90000107539	YES	G012	$ 13,294,040	11/1/2012	120	$6,093,301	$4,763,697	$5,428,399	8.0710%	17.76%	$ 58,482	$ 236,102	6.11%	$ 20,120	$ 81,227
119	USFP-Process & Design -R1	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	$ 7,564,718	11/1/2012	120	$3,467,363	$2,710,691	$3,088,927	8.0710%	17.76%	$ 33,278	$ 134,349	6.11%	$ 11,449	$ 46,220
120	USFP - Hardware & Software-DD	USFP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012	$ 2,770,640	11/1/2012	120	$1,269,876	$992,813	$1,131,345	8.0710%	17.76%	$ 12,188	$ 49,207	6.11%	$ 4,193	$ 16,929
121	USFP - Solution Architecture-DD	USFP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012	$ 2,908,470	11/1/2012	120	$1,333,049	$1,042,202	$1,187,625	8.0710%	17.76%	$ 12,795	$ 51,654	6.11%	$ 4,402	$ 17,771
122	USFP - PMO-DD	USFP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012	$ 4,761,712	11/1/2012	120	$2,182,451	$1,706,280	$1,944,366	8.0710%	17.76%	$ 20,947	$ 84,568	6.11%	$ 7,207	$ 29,094
123	USFP-Business Engagement -R1	Capitalized Software-USFP-Business Engagement -R1	USFP	90000107549	YES	G012	$ 154,570	11/1/2012	120	$70,845	$55,388	$63,116	8.0710%	17.76%	$ 680	$ 2,745	6.11%	$ 234	$ 944
124	HR STREAM - DESIGN CAPEX	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	$ 826,202	11/1/2012	120	$378,676	$296,056	$337,366	8.0710%	17.76%	$ 3,635	$ 14,673	6.11%	$ 1,250	$ 5,048
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012	$ 1,708,792	11/1/2012	120	$783,196	$612,317	$697,757	8.0710%	17.76%	$ 7,517	$ 30,348	6.11%	$ 2,586	$ 10,441
126	USFP - Testing-DD	USFP - Testing-DD - Capitalized Software	USFP	90000104648	YES	G012	$ 209,496	11/1/2012	120	$96,019	$75,070	$85,544	8.0710%	17.76%	$ 922	$ 3,721	6.11%	$ 317	$ 1,280
127	USFP Test Net Strat	Capitalized Software-USFP Test Net Strat	USFP	90000117362	YES	G012	$ 1,305,452	11/1/2012	120	$598,332	$467,787	$533,060	8.0710%	17.76%	$ 5,743	$ 23,185	6.11%	$ 1,976	$ 7,976
128	USFP Test Ops	Capitalized Software-USFP Test Ops	USFP	90000117358	YES	G012	$ 4,359,638	11/1/2012	120	$1,998,167	$1,562,204	$1,780,185	8.0710%	17.76%	$ 19,179	$ 77,427	6.11%	$ 6,598	$ 26,637
129	USFP-Cutover -R1	Capitalized Software-USFP-Cutover -R1	USFP	90000107547	YES	G012	$ 2,728,737	11/1/2012	120	$1,250,671	$977,797	$1,114,234	8.0710%	17.76%	$ 12,004	$ 48,462	6.11%	$ 4,130	$ 16,673
130	USFP-Reporting & Info - R1	Capitalized Software-USFP-Reporting & Info - R1	USFP	90000107544	YES	G012	$ 6,197,728	11/1/2012	120	$2,840,625	$2,220,852	$2,530,739	8.0710%	17.76%	$ 27,265	$ 110,072	6.11%	$ 9,380	$ 37,868
131	US Pre-BLUEPRINT STRATEGY PLAN	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	$ 6,530,003	11/1/2012	120	$2,992,918	$2,339,918	$2,666,418	8.0710%	17.76%	$ 28,726	$ 115,973	6.11%	$ 9,883	$ 39,898
132	USFP-Hardware & Software-R1	Capitalized Software-USFP-Hardware & Software-R1	USFP	90000107551	YES	G012	$ 23,426,143	11/1/2012	120	$10,736,982	$8,394,368	$9,565,675	8.0710%	17.76%	$ 103,055	$ 416,048	6.11%	$ 35,454	$ 143,134
133	USFP Test Finance	USFP Test Finance Capitalized Software	USFP	90000117364	YES	G012	$ 3,910,865	11/1/2012	120	$1,792,480	$1,401,393	$1,596,936	8.0710%	17.76%	$ 17,204	$ 69,457	6.11%	$ 5,919	$ 23,895
134	USFP - Process & Design-DD	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	YES	G012	$ 17,463,817	11/1/2012	120	$8,004,249	$6,257,868	$7,131,058	8.0710%	17.76%	$ 76,826	$ 310,157	6.11%	$ 26,430	$ 106,704
135	S/CHAIN STREAM - DESIGN CAPEX	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	$ 1,038,127	11/1/2012	120	$475,808	$371,995	$423,902	8.0710%	17.76%	$ 4,567	$ 18,437	6.11%	$ 1,571	$ 6,343
136	US FOUNDATION PRGM ARCH/DECOM	Capitalized Software-US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012	$ 1,242,446	11/1/2012	120	$569,454	$445,210	$507,332	8.0710%	17.76%	$ 5,466	$ 22,066	6.11%	$ 1,880	$ 7,591
137	USFP-Solution Architecture-R1	Capitalized Software-USFP-Solution Architecture-R1	USFP	90000107550	YES	G012	$ 2,536,861	11/1/2012	120	$1,162,728	$909,042	$1,035,895	8.0710%	17.76%	$ 11,160	$ 45,055	6.11%	$ 3,839	$ 15,500
138	USFP - Data Strategy-DD	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012	$ 2,531,924	11/1/2012	120	$1,160,465	$907,273	$1,033,869	8.0710%	17.76%	$ 11,138	$ 44,967	6.11%	$ 3,832	$ 15,470
139	PROCESS CONTROL - DESIGN CAPEX	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	$ 138,806	11/1/2012	120	$63,620	$49,739	$56,679	8.0710%	17.76%	$ 611	$ 2,465	6.11%	$ 210	$ 848
140	INFORMATION MGMT - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	YES	G012	$ 346,941	11/1/2012	120	$159,014	$124,320	$141,667	8.0710%	17.76%	$ 1,526	$ 6,162	6.11%	$ 525	$ 2,120
141	PROCESS & DATA - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012	$ 271,405	11/1/2012	120	$124,384	$97,254	$110,824	8.0710%	17.76%	$ 1,194	$ 4,820	6.11%	$ 411	$ 1,658
142	USFP-Build & Unit Test -R1	Capitalized Software-USFP-Build & Unit Test -R1	USFP	90000107541	YES	G012	$ 26,765,794	11/1/2012	120	$12,267,656	$9,591,076	$10,929,366	8.0710%	17.76%	$ 117,746	$ 475,361	6.11%	$ 40,508	$ 163,539
143	USFP-Business Readiness -R1	Capitalized Software-USFP-Business Readiness -R1	USFP	90000107548	YES	G012	$ 2,020,438	11/1/2012	120	$926,034	$723,390	$825,012	8.0710%	17.76%	$ 8,888	$ 35,883	6.11%	$ 3,058	$ 12,345
144	USFP-Data Strategy - R1	Capitalized Software-USFP-Data Strategy - R1	USFP	90000107543	YES	G012	$ 7,738,324	11/1/2012	120	$3,546,732	$2,772,899	$3,159,816	8.0710%	17.76%	$ 34,042	$ 137,433	6.11%	$ 11,711	$ 47,281
145	USFP Test SS	Capitalized Software-USFP Test SS	USFP	90000117367	YES	G012	$ 46,113,703	11/1/2012	120	$21,135,447	$16,524,077	$18,829,762	8.0710%	17.76%	$ 202,860	$ 818,979	6.11%	$ 69,790	$ 281,755
146	USFP-Testing -R1	Capitalized Software-USFP-Testing -R1	USFP	90000107542	YES	G012	$ 61,366,885	11/1/2012	120	$28,126,489	$21,989,800	$25,058,145	8.0710%	17.76%	$ 269,961	$ 1,089,876	6.11%	$ 92,875	$ 374,952
147	USFP-Tech Delivery - R1	Capitalized Software-USFP-Tech Delivery - R1	USFP	90000107545	YES	G012	$ 4,595,067	11/1/2012	120	$2,106,072	$1,646,566	$1,876,319	8.0710%	17.76%	$ 20,214	$ 81,608	6.11%	$ 6,954	$ 28,076
148	USFP - Reporting & Info-DD	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104650	YES	G012	$ 2,503,961	11/1/2012	120	$1,147,649	$897,253	$1,022,451	8.0710%	17.76%	$ 11,015	$ 44,470	6.11%	$ 3,790	$ 15,299
149	SOLUTION DEL - DESIGN CAPEX	SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000097840	YES	G012	$ 906,402	11/1/2012	120	$415,434	$324,794	$370,114	8.0710%	17.76%	$ 3,987	$ 16,098	6.11%	$ 1,372	$ 5,538
150	SOLUTION ARCH - DESIGN CAPEX	SOLUTION ARCH - DESIGN CAPEX - Capitalized Software	USFP	90000097839	YES	G012	$ 199,928	11/1/2012	120	$91,634	$71,641	$81,637	8.0710%	17.76%	$ 880	$ 3,551	6.11%	$ 303	$ 1,222

Case 17-E-0238
Appendix 5
Schedule 19
Page 15 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
151	FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097838	YES	G012	$ 1,441,354	11/1/2012	120	$660,621	$516,485	$588,553	8.0710%	17.76%	$ 6,341	$ 25,598	6.11%	$ 2,181	$ 8,807
152	USFP - Controls & Roles-DD	USFP - Controls & Roles-DD - Capitalized Software	USFP	90000104652	YES	G012	$ 2,694,151	11/1/2012	120	$1,234,819	$965,404	$1,100,112	8.0710%	17.76%	$ 11,852	$ 47,848	6.11%	$ 4,077	$ 16,461
153	USFP - Build & Unit Test-DD	USFP - Build & Unit Test-DD - Capitalized Software	USFP	90000104647	YES	G012	$ 2,783,413	11/1/2012	120	$1,275,731	$997,300	$1,136,550	8.0710%	17.76%	$ 12,245	$ 49,433	6.11%	$ 4,213	$ 17,007
154	USFP-Controls & Roles -R1	Capitalized Software- USFP-Controls & Roles -R1	USFP	90000107546	YES	G012	$ 7,773,544	11/1/2012	120	$3,562,874	$2,785,520	$3,174,197	8.0710%	17.76%	$ 34,197	$ 138,058	6.11%	$ 11,765	$ 47,496
155	USFP Test Procure	USFP Test Procure Capitalized Software	USFP	90000117369	YES	G012	$ 311,956	11/1/2012	120	$142,990	$111,784	$127,382	8.0710%	17.76%	$ 1,372	$ 5,540	6.11%	$ 472	$ 1,906
156	USFP Test HR	USFP Test HR Capitalized Software	USFP	90000117366	YES	G012	$ 9,899	11/1/2012	120	$4,537	$3,547	$4,042	8.0710%	17.76%	$ 44	$ 176	6.11%	$ 15	$ 60
157	USFP - Cutover-DD	USFP - Cutover-DD - Capitalized Software	USFP	90000104653	YES	G012	$ 118,108	11/1/2012	120	$54,133	$42,322	$48,227	8.0710%	17.76%	$ 520	$ 2,098	6.11%	$ 179	$ 722
158	DESIGN AUTH - DESIGN CAPEX	DESIGN AUTH - DESIGN CAPEX - Capitalized Software	USFP	90000097842	YES	G012	$ 318,531	11/1/2012	120	$145,993	$114,140	$130,067	8.0710%	17.76%	$ 1,401	$ 5,657	6.11%	$ 482	$ 1,946
159	PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software	USFP	90000097837	YES	G012	$ 5,995,338	11/1/2012	120	$2,747,863	$2,148,329	$2,448,096	8.0710%	17.76%	$ 26,374	$ 106,477	6.11%	$ 9,074	$ 36,632
160	TXFER00099	FDC Enhancement (work order #8K008002108)	N/A	1TXFER00099	NO	C310	$ 2,245,499	10/1/2012	84	$481,178	$160,393	$320,786	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
161	IN 2330 ETRM Repl Nucleus-Elec Bene	Cap Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	90000106247	YES	G198	$ 579,164	10/1/2012	84	$124,107	$41,369	$82,738	8.0710%	41.93%	$ 2,233	$ 34,692	0.00%	$ -	$ -
162	IN 2330 ETRM Repl Nucleus-Gas Benef	IN 2330 ETRM Repl Nucleus-Gas Benef	2330	90000106246	YES	G210	$ 6,005,256	10/1/2012	84	$1,286,840	$428,947	$857,894	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
163	TXFER00099	IN 2992 MA GAS SINGLE BILL (Work order #8K008002315)	2992	1TXFER00099	NO	C310	$ 754,588	10/1/2012	84	$161,697	$53,899	$107,798	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
164	TXFER00099	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	2652	1TXFER00099	NO	C310	$ 427,462	10/1/2012	84	$91,399	$30,533	$61,066	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
165	IN1488-Remote Access to Fault REC	Capitalized Software	1488	90000104410	YES	G220	$ 247,958	9/1/2012	84	$50,182	$14,759	$32,471	8.0710%	0.00%	$ -	$ -	48.12%	$ 1,014	$ 17,045
166	KPI Reporting Tool	KPI Reporting Tool	N/A	90000103772	YES	G012	$ 1,184,110	8/1/2012	84	$225,545	$56,386	$140,965	8.0710%	17.76%	$ 1,640	$ 30,043	6.11%	$ 564	$ 10,336
167	IN1656-CUSTSystems Agent desktop	IN1656-CUSTSystems Agent desktop	1656	90000104412	NO	C225	$ 10,436,678	8/1/2012	84	$1,987,989	$496,985	$1,242,462	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
168	IN1671-US Transaction DEL HUB	IN1671-US Transaction DEL HUB	1671	90000104414	YES	G012	$ 526,002	8/1/2012	84	$100,191	$25,048	$62,619	8.0710%	17.76%	$ 729	$ 13,345	6.11%	$ 251	$ 4,591
169	TXFER00099 (GTIS)	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	1TXFER00099	NO	C225	$ 3,866,615	6/1/2012	84	$644,436	$92,062	$368,249	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
170	IN 1482--ACIS Target Pricing Model	Capitalized Software	1482	90000099166	YES	G198	$ 569,716	6/1/2012	84	$94,953	$13,565	$54,259	8.0710%	41.93%	$ 1,530	$ 34,126	0.00%	$ -	$ -
171	INVP 0953 - Bill Pool 231	Smallwood GIS PowerOn 4.0 upgrade	953	90000104008	YES	G198	$ 4,345,552	6/1/2012	84	$724,259	$103,466	$413,862	8.0710%	41.93%	$ 11,668	$ 260,299	0.00%	$ -	$ -
172	Desktop (email, AD & SharePoint)	Desktop (email, AD & SharePoint)	N/A	90000096388	YES	G012	$ 1,258,446	3/1/2012	84	$164,796	$0	$82,398	8.0710%	17.76%	$ 1,041	$ 29,268	6.11%	$ 358	$ 10,069
173	TXFER00099	IN 1259B Contact Ctr Consol (work order #8K008002213)	1259B	1TXFER00099	NO	C310	$ 718,478	3/1/2012	84	$94,086	$0	$47,043	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
174	Desktop (refresh)	Desktop (refresh)	N/A	90000096380	YES	G012	$ 950,271	3/1/2012	84	$124,440	$0	$62,220	8.0710%	17.76%	$ 786	$ 22,101	6.11%	$ 270	$ 7,603
175	Data Center Rationalization	Data Center Rationalization	N/A	90000096387	YES	G012	$ 793,491	3/1/2012	84	$103,909	$0	$51,955	8.0710%	17.76%	$ 656	$ 18,454	6.11%	$ 226	$ 6,349
176	CDH Acct Initiation	CDH Acct Initiation	N/A	90000096389	YES	G012	$ 516,140	3/1/2012	84	$67,590	$0	$33,795	8.0710%	17.76%	$ 427	$ 12,004	6.11%	$ 147	$ 4,130
177	IN 0980E - FiServ Solutions	IN 0980E - FiServ Solutions	0980E	90000098664	YES	G179	$ 453,167	3/1/2012	84	$59,343	$0	$29,672	8.0710%	35.18%	$ 743	$ 20,877	0.00%	$ -	$ -
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	N/A	90000095332	YES	G012	$ 1,617,868	2/1/2012	84	$192,603	$0	$96,302	8.0710%	17.76%	$ 1,238	$ 34,206	6.11%	$ 426	$ 11,768
179	Cascade Phase II project 2 of 2	Cascade Phase II project 2 of 2	N/A	90000116202	YES	G220	$ 1,051,038	12/1/2011	84	$100,039	$0	$50,049	8.0710%	0.00%	$ -	$ -	48.12%	$ 1,413	$ 48,168
180	Cascade Phase II project 1 of 2	Cascade Phase II project 1 of 2	N/A	90000116201	YES	G198	$ 1,576,557	12/1/2011	84	$150,148	$0	$75,074	8.0710%	41.93%	$ 1,847	$ 62,957	0.00%	$ -	$ -
181	UHF Spectrum Purchase Project	UHF Spectrum Purchase Project	N/A	90000104419	NO	G284	$ 2,116,624	10/1/2011	84	$151,187	$0	$75,594	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
182	INVP 1242TB - KPI Metrics	INVP 1242TB - KPI Metrics	1242TB	90000104180	YES	G198	$ 622,592	10/1/2011	84	$44,471	$0	$22,235	8.0710%	41.93%	$ 547	$ 18,647	0.00%	$ -	$ -
183	Video Conferencing	Video Conferencing	N/A	90000096376	YES	G012	$ 1,207,479	10/1/2011	84	$86,249	$0	$43,124	8.0710%	17.76%	$ 449	$ 15,318	6.11%	$ 155	$ 5,270
184	JBCRD011-Wholesale Re-Des	JBCRD011-Wholesale Re-Des	N/A	90000104416	YES	G198	$ 436,385	10/1/2011	84	$31,170	$0	$15,585	8.0710%	41.93%	$ 383	$ 13,070	0.00%	$ -	$ -
185	INVP 1242 - DECUS05	INVP 1242 - DECUS05	1242	90000104179	YES	G198	$ 253,998	10/1/2011	84	$18,143	$0	$9,071	8.0710%	41.93%	$ 223	$ 7,607	0.00%	$ -	$ -
186	INVP 1224	INVP 1224	1224	90000104101	YES	G220	$ 601,562	10/1/2011	84	$42,969	$0	$21,484	8.0710%	0.00%	$ -	$ -	48.12%	$ 606	$ 20,677
187	DECUS05-Autom for Mng Req	DECUS05-Autom for Mng Req	DECUS05	90000104123	YES	G198	$ 1,914,655	10/1/2011	84	$136,761	$0	$68,381	8.0710%	41.93%	$ 1,682	$ 57,344	0.00%	$ -	$ -
188	WCOR09 - AVLS Integration	WCOR09 - AVLS Integration	WCOR09	90000104151	YES	G198	$ 313,523	10/1/2011	84	$22,395	$0	$11,197	8.0710%	41.93%	$ 275	$ 9,390	0.00%	$ -	$ -
189	INVP 1391	INVP 1391	1391	90000104008	YES	G077	$ 523,093	9/1/2011	84	$31,137	$0	$15,568	8.0710%	27.98%	$ 256	$ 8,712	9.98%	$ 91	$ 3,107
190	IN0823 Security Enhance Project	IN0823 Security Enhance Project	823	90000096383	YES	G012	$ 313,244	9/1/2011	84	$18,645	$0	$9,323	8.0710%	17.76%	$ 97	$ 3,311	6.11%	$ 33	$ 1,139
191	NY NE IVR Replacement(NIMO)	NY NE IVR Replacement(NIMO)	N/A	90000112170	YES	G750	$ 1,058,009	7/1/2011	84	$37,786	$0	$18,893	8.0710%	83.00%	$ 920	$ 31,362	0.00%	$ -	$ -
192	NE_NY IVR Replacement-Phase II(NIMO	NE_NY IVR Replacement-Phase II(NIMO	N/A	90000112171	YES	G750	$ 1,489,236	7/1/2011	84	$53,187	$0	$26,594	8.0710%	83.00%	$ 1,295	$ 44,145	0.00%	$ -	$ -
193	Combine Meter Reading Routes	Combine Meter Reading Routes	N/A	90000104231	NO	G285	$ 364,462	5/1/2011	84	$4,339	$0	$2,169	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
194	IN0309-SCM-ENGAGE VENDOR	IN0309-SCM-ENGAGE VENDOR	309	90000104115	YES	G012	$ 312,721	3/1/2011	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
195	INVP N/A-Talent Management	INVP N/A-Talent Management	N/A	90000104109	YES	G012	$ 208,232	3/1/2011	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
196	LIM/ZEMA Project	LIM/ZEMA Project	N/A	90000097857	YES	G012	$ 402,988	3/1/2011	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
197	FFA (NIMO)	FFA (NIMO)	N/A	90000108449	YES	G750	$ 7,548,509	3/1/2011	29	$0	$0	$0	8.0710%	83.00%	$ -	$ -	0.00%	$ -	$ -
198	S&M Data Warehouse Expansion	S&M Data Warehouse Expansion	N/A	90000096374	YES	G012	$ 981,583	3/1/2011	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
199	Plan & Perf for Exec & US Dir	Plan & Perf for Exec & US Dir	USFP	90000096375	YES	G012	$ 294,053	3/1/2011	84	$0	$0	$0	8.0710%	17.76%	$ -	$ -	6.11%	$ -	$ -
200	INVP2391-Implement UI Planner-CAPEX	INVP2391-Implement UI Planner-CAPEX	2391	90000096140	YES	G138	$ 1,686,410	3/1/2011	84	$0	$0	$0	8.0710%	18.29%	$ -	$ -	6.32%	$ -	$ -
201	Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	90000105798	NO	G272	$ 13,392	12/1/2010	4	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
202	GIS Project (Bankers Lease)	GIS Project (Bankers Lease)	N/A	90000105800	NO	G284	$ 44,404	12/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
203	ACIS Project (Banker's lease)	ACIS Project (Banker's lease)	N/A	90000106051	NO	G259	$ 154,535	12/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
204	ISP01-Integrated Strat Plan	ISP01-Integrated Strat Plan	ISP01	90000104122	YES	G198	$ 1,105,706	12/1/2010	84	$0	$0	$0	8.0710%	41.93%	$ -	$ -	0.00%	$ -	$ -
205	SHORT04-Prima P6 Upgrade	SHORT04-Prima P6 Upgrade	SHORT04	90000104128	YES	G198	$ 1,443,524	12/1/2010	84	$0	$0	$0	8.0710%	41.93%	$ -	$ -	0.00%	$ -	$ -
206	TGM (formerly Bankers Lease)	TGM (formerly Bankers Lease)	N/A	90000105795	YES	G220	$ 12,348	12/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -	48.12%	$ -	$ -
207	IN1242D-ISP-Integrated Strat Plan	Capitalized Software	1242D	90000096320	YES	G198	$ 360,244	12/1/2010	84	$0	$0	$0	8.0710%	41.93%	$ -	$ -	0.00%	$ -	$ -
208	AIMMS Project - Bill Pool 233	AIMMS Project - Bill Pool 233	N/A	90000104238	YES	G220	$ 47,097	10/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	48.12%	$ -	$ -
209	Cascade Phase I project 2 of 2	Cascade Phase I project 2 of 2 Bill Pool 231	N/A	90000102451	YES	G198	$ 588,773	10/1/2010	84	$0	$0	$0	8.0710%	41.93%	$ -	$ -	0.00%	$ -	$ -
210	IVR Project Work	IVR Project Work	N/A	90000104009	NO	G284	$ 1,193,074	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
211	IN1588-21st Cent. FOR SYRACUSE/NB	IN1588-21st Cent. FOR SYRACUSE/NB	1588	90000104113	YES	G012	$ 273,401	9/1/2010	84	$0	$0	$0	8.0710%	17.76%	$ 40	$ -	6.11%	$ 14	$ -
212	INVP 1401	INVP 1401	1401	90000104080	YES	G012	$ 527,701	9/1/2010	84	$0	$0	$0	8.0710%	17.76%	$ 77	$ -	6.11%	$ 26	$ -
213	WO for Capital Chgs-FFA	WO for Capital Chgs-FFA	N/A	90000104186	NO	G284	$ 7,411,737	9/1/2010	29	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
214	Bnk Lease W MA F Optic Proj	Bnk Lease W MA F Optic Proj	N/A	90000104185	NO	G284	$ 435,545	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
215	AIMMS Project - Bill Pool 231	AIMMS Project - Bill Pool 231	N/A	90000104193	YES	G198	$ 231,345	9/1/2010	6	$0	$0	$0	8.0710%	41.93%	$ 79	$ -	0.00%	$ -	$ -
216	CIS Consolidation	CIS Consolidation	N/A	90000104055	NO	G284	$ 28,900,771	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
217	Web Initiatives FY09 - Phase 1	Web Initiatives FY09 - Phase 1	N/A	90000096373	YES	G012	$ 2,010,464	9/1/2010	84	$0	$0	$0	8.0710%	17.76%	$ 292	$ -	6.11%	$ 100	$ -
218	INVP 0845	INVP 0845	845	90000104060	YES	G012	$ 464,135	9/1/2010	84	$0	$0	$0	8.0710%	17.76%	$ 67	$ -	6.11%	$ 23	$ -
219	TXFER00099	GAS SCADA Upgrade/Modemize	N/A	1TXFER00099	NO	G239	$ 2,987,041	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
220	OMS-Capital -Bill Pool 232	OMS-Capital -Bill Pool 232	N/A	90000104188	NO	G284	$ 1,059,216	9/1/2010	35	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
221	INN/A-NERC CIP Compliance	INN/A-NERC CIP Compliance	N/A	90000096381	YES	G186	$ 1,155,595	7/1/2010	84	$0	$0	$0	8.0710%	30.74%	$ 290	$ -	10.99%	$ 104	$ -
222	Cascade Phase I project 1 of 2	Cascade Phase I project 1 of 2 Bill Pool 233	N/A	90000102450	YES	G220	$ 392,515	7/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	48.12%	$ 154	$ -
223	OneNet	OneNet	N/A	90000096379	YES	G012	$ 4,483,264	6/1/2010	84	$0	$0	$0	8.0710%	17.76%	$ 650	$ -	6.11%	$ 224	$ -
224	Contact Centers Call Recording	Contact Centers Call Recording	N/A	90000096385	YES	G012	$ 361,473	3/1/2010	84	$0	$0	$0	8.0710%	17.76%	$ 52	$ -	6.11%	$ 18	$ -
225	TXFER00099	BUS TRANS - WIRES & PIPES - CAPITAL	N/A	1TXFER00099	NO	G227	$ 178	3/1/2007	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
226	TXFER00099	HR BENEFITS	N/A	1TXFER00099	NO	N237	$ 5,405,642	7/1/1999	8337	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
227	1TXFER00099	DATA WAREHOUSE	N/A	1TXFER00099	NO	G230	$ 2,328,852	7/1/1999	60	$0	$0	$0	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
228	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150645	YES	G012	$ 223,999	5/1/2016	84	$162,666	$130,666	$146,666	8.0710%	17.76%	$ 1,393	$ 5,683	6.11%	$ 548	$ 1,955
229	INVP3853 NMPC C-Cure Conv to AMAG	INVP3614A2 IAM Ph3 Web Administration	3853	90000141742	YES	G020	$ 1,541,380	12/1/2016	84	$1,247,784	$1,027,587	$1,137,685	8.0710%	17.76%	$ 12,300	$ 39,107	6.11%	$ 4,231	$ 13,454
230	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1	12/1/2016	84	$1	$1	$1	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 16 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
231	INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000170693	YES	G020	$ 93,939	12/1/2016	84	$76,046	$62,626	$69,336	8.0710%	17.76%	$ 750	$ 2,383	6.11%	$ 258	$ 820
232	INVP 3896 SMI Conversion Mobilizati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	90000153520	YES	G020	$ 3,095,820	12/1/2016	84	$2,506,140	$2,063,880	$2,285,010	8.0710%	17.76%	$ 24,703	$ 78,545	6.11%	$ 8,499	$ 27,022
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176043	YES	G012	$ 637,905	12/1/2016	120	$552,851	$489,061	$520,956	8.0710%	17.76%	$ 5,612	$ 11,329	6.11%	$ 1,931	$ 3,898
234	INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	90000176039	YES	G012	$ 2,749,134	12/1/2016	120	$2,382,283	$2,107,669	$2,245,126	8.0710%	17.76%	$ 24,187	$ 48,825	6.11%	$ 8,321	$ 16,797
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	90000172054	YES	G012	$ 1,858,401	12/1/2016	120	$1,610,615	$1,424,774	$1,517,694	8.0710%	17.76%	$ 16,350	$ 33,005	6.11%	$ 5,625	$ 11,355
236	INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File_Email Transfer (Full) (Cyber Security)	3614	90000170691	YES	G020	$ 68,180	12/1/2016	84	$55,193	$45,453	$50,323	8.0710%	17.76%	$ 544	$ 1,730	6.11%	$ 187	$ 595
237	INVP3614A1 IAM Ph2:Identity Adminis	INVP3614A1 IAM Ph2:Identity Administration (Cyber Security)	3614A	90000141707	YES	G020	$ 2,647,721	12/1/2016	84	$2,143,394	$1,765,148	$1,954,271	8.0710%	17.76%	$ 21,128	$ 67,176	6.11%	$ 7,269	$ 23,111
238	INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	90000178452	YES	G012	$ 803,788	12/1/2016	120	$696,616	$616,238	$656,427	8.0710%	17.76%	$ 7,072	$ 14,275	6.11%	$ 2,433	$ 4,911
239	INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP	90000176041	YES	G012	$ 723,292	12/1/2016	120	$626,853	$554,524	$590,689	8.0710%	17.76%	$ 6,364	$ 12,846	6.11%	$ 2,189	$ 4,419
240	INVP 4218 - Blanket Work Order	INVP 4218 - Blanket Work Order	USFP	90000178839	YES	G012	$ 2,393,826	12/1/2016	120	$2,074,649	$1,835,366	$1,954,958	8.0710%	17.76%	$ 21,061	$ 42,514	6.11%	$ 7,246	$ 14,626
241	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1,480,189	12/1/2016	84	$1,198,248	$986,792	$1,092,520	8.0710%	0.00%	$ -	$ -	0.00%	$ -	$ -
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176046	YES	G012	$ 426,099	12/1/2016	120	$369,286	$326,676	$347,981	8.0710%	17.76%	$ 3,749	$ 7,568	6.11%	$ 1,290	$ 2,603
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176040	YES	G012	$ 1,250,841	12/1/2016	120	$1,084,062	$958,978	$1,021,520	8.0710%	17.76%	$ 11,005	$ 22,215	6.11%	$ 3,786	$ 7,643
244	INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	90000170250	YES	G020	$ 306,947	12/1/2016	84	$248,481	$204,631	$226,556	8.0710%	17.76%	$ 2,449	$ 7,788	6.11%	$ 843	$ 2,679
245	INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614	90000141754	YES	G020	$ 2,171,757	12/1/2016	84	$1,758,089	$1,447,838	$1,602,963	8.0710%	17.76%	$ 17,330	$ 55,101	6.11%	$ 5,962	$ 18,956
246	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 16,772	12/1/2016	120	$14,535	$12,858	$13,697	8.0710%	17.76%	$ 148	$ 298	6.11%	$ 51	$ 102
247	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ (21,448)	12/1/2016	84	$0	$0	$0	8.0710%	17.76%	$ 126	$ -	6.11%	$ 43	$ -
		Total IS					$58,388,331			$372,642,441	$289,363,251	$330,002,846			$ 3,888,277	$ 15,664,387		$ 874,896	$ 3,385,914
														NIMO E	$ 23,813,474				

Case 17-E-0238
Appendix 5
Schedule 19
Page 17 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210 E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210 T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
1	IN VP 3564 Cust Choice ESCO Gas	IN VP 3564 Customer Choice ESCO Gas Management	3564	90000134705	NO	C225	$ 14,409,951	10/1/2016	84	$9,263,540	$7,204,976	$8,234,258	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
2	IN VP 4172 - Cross Company Customer	IN VP 4172 - Cross Company Customer System Enhancements	4172	90000164925	YES	C175	$ 13,889,170	9/1/2016	84	$8,763,405	$6,779,238	$7,771,321	8.0210%	23.28%	$ 108,090	$ 461,898	0.00%	$ -	$ -
3	IN VP 4102 - Capture Fusion Data	IN VP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	G207	$ 303,525	9/1/2016	84	$191,510	$148,149	$169,829	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
4	IN VP 4244 - US Control EBB Gas	IN VP 4244 - US Control EBB Gas Trading Day Changes	4244	90000171826	YES	G210	$ 617,691	7/1/2016	84	$375,027	$286,785	$330,906	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
5	IN VP 3914 - Bill Print Facility	IN VP 3194 - Bill Print Facility Relocation Support	3914	90000171355	YES	C175	$ 317,738	7/1/2016	84	$192,912	$147,521	$170,217	8.0210%	23.28%	$ 2,370	$ 10,567	0.00%	$ -	$ -
6	IN VP3629 Cascade System for Gas	IN VP3629 Cascade System for Gas	3629	90000134426	YES	G210	$ 2,353,207	7/1/2016	84	$1,428,733	$1,092,561	$1,260,647	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
7	IN VP3853 NMPC C-Cure Conv to AMAG	IN VP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000145855	YES	G113	$ 822,678	7/1/2016	84	$499,483	$381,958	$440,720	8.0210%	79.46%	$ 20,946	$ 93,386	0.00%	$ -	$ -
8	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (76,185)	6/1/2016	120	$0	$0	$0	8.0210%	17.76%	$ 445	$ -	6.11%	$ 153	$ -
9	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ (379,815)	6/1/2016	120	$0	$0	$0	8.0210%	17.76%	$ 2,217	$ -	6.11%	$ 763	$ -
10	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ (149,379)	6/1/2016	120	$0	$0	$0	8.0210%	17.76%	$ 872	$ -	6.11%	$ 300	$ -
11	IN VP 2927 US Desktop Refresh	IN VP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 413,864	5/1/2016	84	$241,420	$182,297	$211,859	8.0210%	17.76%	$ 2,253	$ 10,500	6.11%	$ 775	$ 3,612
12	IN VP3839 NY Retail Access	IN VP3839 NY Retail Access Mandate	3839	90000141799	YES	G170	$ 2,330,372	5/1/2016	84	$1,359,384	$1,026,474	$1,192,929	8.0210%	43.49%	$ 31,067	$ 144,783	0.00%	$ -	$ -
13	IN VP2583 CRIS Migration	IN VP 2583 CRIS Migration to CSS System	2583	90000137859	NO	C225	$ -	5/1/2016	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
14	IN VP 2927 US Desktop Refresh	IN VP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 6,823,937	5/1/2016	84	$3,980,630	$3,005,782	$3,493,206	8.0210%	17.76%	$ 37,151	$ 173,133	6.11%	$ 12,781	$ 59,563
15	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (3,665,858)	5/1/2016	120	$0	$0	$0	8.0210%	17.76%	$ 21,400	$ -	6.11%	$ 7,362	$ -
16	IN VP4024 Soft Off Program	IN VP4024 Soft Off Program	4024	90000156425	YES	G207	$ 1,285,464	4/1/2016	84	$734,551	$550,913	$642,732	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
17	IN VP 3883 Mobile Device for PTO, Me	IN VP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	90000153451	YES	G175	$ 1,743,812	4/1/2016	84	$996,464	$747,348	$871,906	8.0210%	21.83%	$ 11,405	$ 54,382	0.00%	$ -	$ -
18	IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software- INVP3136 NE Gas Leaks Rechecks	3136	90000124374	NO	G310	$ 1,326,238	3/1/2016	84	$742,062	$552,599	$647,330	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
19	IN VP 4133 - LI Stabilization	IN VP 4133 - LI Stabilization	4133	90000163306	NO	5230G	$ 677,092	3/1/2016	84	$378,849	$282,122	$330,485	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
20	IN VP3492 CI Services Foundation	IN VP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	$ 2,570,472	2/1/2016	84	$1,407,640	$1,040,429	$1,224,035	8.0210%	17.76%	$ 13,044	$ 65,217	6.11%	$ 4,487	$ 22,437
21	IN VP3600B US Web Initiatives 2	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	$ 4,153,761	2/1/2016	84	$2,274,679	$1,681,284	$1,977,982	8.0210%	21.83%	$ 25,908	$ 129,538	0.00%	$ -	$ -
22	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 2,078	2/1/2016	120	$1,420	$1,212	$1,316	8.0210%	17.76%	$ 14	$ 37	6.11%	$ 5	$ 13
23	IN VP 3375D Challenge Limits Letters	IN VP3375D- Challenge the Limits Letters	3375D	90000140579	YES	G113	$ 409,859	2/1/2016	84	$224,447	$165,895	$195,171	8.0210%	79.46%	$ 9,305	$ 46,525	0.00%	$ -	$ -
24	IN VP2495H US CNI Frame Relay Replac	IN VP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	$ 6,532,674	2/1/2016	84	$3,577,417	$2,644,178	$3,110,797	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
25	IN VP 4074 - MA Gas 4 Hour Appt	IN VP 4074 - MA Gas 4 Hour Appointment	4074	90000160455	NO	C310	$ 291,566	1/1/2016	84	$156,196	$114,544	$135,370	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
26	IN VP 3237 Street Light Outage Impro	IN VP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	$ 324,546	1/1/2016	84	$173,864	$127,500	$150,682	8.0210%	41.93%	$ 4,484	$ 19,440	0.00%	$ -	$ -
27	IN VP 4323 - Mainframe Upgrade	IN VP 4323 - Mainframe Upgrade	4323	90000171825	YES	G020	$ 2,868,015	11/1/2016	84	$1,877,867	$1,468,150	$1,673,009	8.0210%	17.76%	$ 17,735	$ 72,766	6.11%	$ 6,101	$ 25,034
28	IN VP 1172 - AMAG Upgrades	Access Control & Alarm Monitoring System	1172	90000112731	YES	G020	$ 6,129,079	11/1/2016	84	$4,013,087	$3,137,505	$3,575,296	8.0210%	17.76%	$ 37,901	$ 155,503	6.11%	$ 13,039	$ 53,498
29	IN VP 3538 - VSTIG Bandwidth Increas	IN VP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ 1,747,846	11/1/2016	84	$1,144,423	$894,731	$1,019,577	8.0210%	17.76%	$ 10,808	$ 44,345	6.11%	$ 3,718	$ 15,256
30	IN VP 4266 - End User Device Refresh	IN VP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	$ 294,858	11/1/2016	84	$193,062	$150,939	$172,001	8.0210%	17.76%	$ 1,823	$ 7,481	6.11%	$ 627	$ 2,574
31	EHR1 - Payroll	EHR1 - Payroll	USFP	90000148062	YES	G012	$ 6,240,543	12/1/2015	84	$3,268,856	$2,377,350	$2,823,103	8.0210%	17.76%	$ 30,129	$ 158,331	6.11%	$ 10,365	$ 54,471
32	EHR1 - Finance	EHR1 - Finance	USFP	90000148060	YES	G012	$ 10,024,521	12/1/2015	84	$5,250,939	$3,818,865	$4,534,902	8.0210%	17.76%	$ 48,398	$ 254,336	6.11%	$ 16,650	$ 87,500
33	EHR1 - Supply Chain	EHR1 - Supply Chain	USFP	90000148059	YES	G012	$ 18,657,154	12/1/2015	84	$9,772,795	$7,107,487	$8,440,141	8.0210%	17.76%	$ 90,075	$ 473,359	6.11%	$ 30,989	$ 162,850
34	EHR1 - IT Delivery	EHR1 - IT Delivery	USFP	90000148061	YES	G012	$ 2,568,884	12/1/2015	120	$1,712,589	$1,455,701	$1,584,145	8.0210%	17.76%	$ 16,772	$ 45,623	6.11%	$ 5,770	$ 15,696
35	EHR1 - PMO	EHR1 - PMO	USFP	90000148055	YES	G012	$ 8,346,172	12/1/2015	84	$4,371,804	$3,179,494	$3,775,649	8.0210%	17.76%	$ 40,295	$ 211,754	6.11%	$ 13,863	$ 72,850
36	EHR1 - BPS	EHR1 - BPS	USFP	90000148063	YES	G012	$ 14,956,768	12/1/2015	84	$7,834,498	$5,697,816	$6,766,157	8.0210%	17.76%	$ 72,210	$ 379,475	6.11%	$ 24,843	$ 130,551
37	DMS/OMS Replacement	NONE	N/A	90000098917	YES	G198	$ 65,683,888	12/1/2015	84	$34,405,846	$25,022,434	$29,714,140	8.0210%	41.93%	$ 748,688	$ 3,934,465	0.00%	$ -	$ -
38	IN VP 3375B Challenge the Limits XML	IN VP3375B- Challenge the Limits XML	3375B	90000140573	YES	G179	$ 616,276	12/1/2015	84	$322,811	$234,772	$278,791	8.0210%	35.18%	$ 5,894	$ 30,972	0.00%	$ -	$ -
39	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ 12,524,547	10/1/2015	120	$8,140,956	$6,888,501	$7,514,728	8.0210%	17.76%	$ 79,610	$ 222,436	6.11%	$ 27,388	$ 76,525
40	IN VP2960C - GridForce SaaS Ph2	IN VP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	G210	$ -	9/1/2015	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
41	IN VP2940-GRC Enterprise Risk & Comp	Capitalized Software	2940	90000109629	YES	G012	$ 3,552,013	8/1/2015	84	$1,691,435	$1,184,004	$1,437,720	8.0210%	17.76%	$ 15,398	$ 90,120	6.11%	$ 5,297	$ 31,004
42	IN VP2892B Security Access Panels	IN VP2892B Security Access Panels NERC CIP Compliance	2892B	90000142290	YES	G432	$ 686,428	8/1/2015	84	$326,870	$228,809	$277,840	8.0210%	0.00%	$ -	$ -	35.13%	$ 5,886	$ 34,449
43	IN 1043 NE EMS Replacement	Replacement for WO 90000097247 to properly book the WO under the correct Intangible CWIP and asset G/L accounts.	1043	90000157429	NO	U273	$ 29,309,502	7/1/2015	84	$13,607,983	$9,420,911	$11,514,447	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
44	IN VP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm	2970	90000133045	YES	G020	$ 1,752,601	4/1/2015	84	$751,115	$500,743	$625,929	8.0210%	17.76%	$ 6,733	$ 44,466	6.11%	$ 2,316	$ 15,298
45	IN 3124B GLOBAL HR STRATEGY	IN 3124B GLOBAL HR STRATEGY	3124B	90000119765	YES	G020	$ 1,752,217	4/1/2015	84	$750,950	$500,634	$625,792	8.0210%	17.76%	$ 6,732	$ 44,456	6.11%	$ 2,316	$ 15,294
46	IN VP3615 Success Enterprise Reporti	Capitalized Software INVP 3615 Success Enterprise Mgmt	3615	90000134377	YES	G186	$ 623,254	3/1/2015	84	$259,689	$170,653	$215,171	8.0210%	30.74%	$ 4,012	$ 27,370	10.99%	$ 1,434	$ 9,785
47	USFP-Testing -R1	NONE	USFP	90000107542	YES	G012	$ -	3/1/2015	120	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
48	IN VP 2951 - Legal Hold Automation	IN VP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	$ 647,273	3/1/2015	84	$269,697	$177,230	$223,463	8.0210%	17.76%	$ 2,407	$ 16,422	6.11%	$ 828	$ 5,650
49	IN VP 1549B Meter Reading System Con	Capitalized Software- INVP 1549B Meter Reading	1549B	90000120707	YES	G175	$ 1,174,502	3/1/2015	84	$489,376	$321,590	$405,483	8.0210%	21.83%	$ 5,368	$ 36,628	0.00%	$ -	$ -
50	IN VP3022 Internet Toolset	IN VP3022 Internet Toolset	3022	90000138893	YES	G175	$ -	3/1/2015	84	$0	$0	$0	8.0210%	21.83%	$ -	$ -	0.00%	$ -	$ -
51	IN VP 3378 Rubber Goods Testing	IN VP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	$ 396,375	3/1/2015	84	$165,156	$108,531	$136,844	8.0210%	30.74%	$ 2,551	$ 17,407	10.99%	$ 912	$ 6,223
52	IN VP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	$ 782,169	3/1/2015	84	$325,904	$214,165	$270,034	8.0210%	17.76%	$ 2,909	$ 19,845	6.11%	$ 1,001	$ 6,827
53	IN VP0823c Laptop & Port Device Info	IN VP0823c Laptop & Port Device Info	0823c	90000105318	YES	G012	$ 2,543,084	3/1/2015	84	$1,039,618	$696,321	$877,970	8.0210%	17.76%	$ 9,457	$ 64,522	6.11%	$ 3,253	$ 22,197
54	IN VP823D Guardians	IN VP823D Guardians	823D	90000141134	YES	G012	$ -	3/1/2015	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
55	IN VP2960C GridForce SaaS Phase 2	IN VP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	$ 3,254,217	3/1/2015	84	$1,355,924	$891,036	$1,123,480	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
56	IN VP 3600 - US Web Initiatives	IN VP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	$ 1,380,415	3/1/2015	84	$575,173	$377,971	$476,572	8.0210%	23.28%	$ 6,728	$ 45,907	0.00%	$ -	$ -
57	IN VP 3039 US eDiscovery	Capitalized Software- INVP 3039 EDiscovery	3039	90000118116	YES	G012	$ 393,008	3/1/2015	84	$163,753	$107,609	$135,681	8.0210%	17.76%	$ 1,461	$ 9,971	6.11%	$ 503	$ 3,430
58	IN VP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	G012	$ 244,374	3/1/2015	84	$101,823	$66,912	$84,367	8.0210%	17.76%	$ 909	$ 6,200	6.11%	$ 313	$ 2,133
59	IN VP 2982b Identity & Access Mgt Pr	IN VP 2982b Identity & Access Mgt Pr	2982b	90000113826	YES	G012	$ 3,576,972	3/1/2015	84	$1,490,405	$979,409	$1,234,907	8.0210%	17.76%	$ 13,301	$ 90,753	6.11%	$ 4,576	$ 31,222
60	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 1	2/1/2015	84	$0	$0	$0	8.0210%	17.76%	$ 0	$ 0	6.11%	$ 0	$ 0
61	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 7,489,757	2/1/2015	120	$4,369,025	$3,620,049	$3,994,537	8.0210%	17.76%	$ 56,903	$ 133,018	6.11%	$ 19,577	$ 45,762
62	USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery	USFP	90000142344	YES	G012	$ 9,575,835	1/1/2015	120	$5,506,105	$4,548,522	$5,027,313	8.0210%	17.76%	$ 53,431	$ 170,067	6.11%	$ 18,382	$ 58,508
63	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ 9,814,175	1/1/2015	120	$5,643,150	$4,661,733	$5,152,442	8.0210%	17.76%	$ 54,761	$ 174,300	6.11%	$ 18,839	$ 59,965
64	IN VP 2577 GIS Consol Ph 2	IN VP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	$ 2,882,206	1/1/2015	84	$1,132,295	$720,552	$926,423	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
65	IN VP 2983a CNI Network Security Pro	Capitalized Software	2983a	90000113827	YES	G012	$ 115,489	12/1/2014	84	$43,996	$27,497	$35,746	8.0210%	17.76%	$ 387	$ 2,930	6.11%	$ 133	$ 1,008
66	Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	NO	G284	$ 186,308	10/1/2014	84	$66,538	$39,923	$53,231	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
67	New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	N/A	90000100684	NO	G284	$ 88,951	10/1/2014	84	$31,768	$19,061	$25,415	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
68	IN VP 1643B - NY Commodity Rates	IN VP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	$ 18,216	10/1/2014	84	$6,506	$3,903	$5,204	8.0210%	79.46%	$ 253	$ 2,068	0.00%	$ -	$ -
69	IN 1642--Radio Standardization Cons	IN 1642--Radio Standardization Cons Capitalized Software	1642	90000093127	YES	G012	$ 130,644	10/1/2014	84	$46,659	$27,995	$37,327	8.0210%	17.76%	$ 405	$ 3,315	6.11%	$ 139	$ 1,140
70	IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	NO	C225	$ 66,932	8/1/2014	84	$22,311	$12,749	$17,530	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
71	IN VP 2162 - PRIMAVERA EXPANSION	IN VP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376	$ 228,928	7/1/2014	84	$73,584	$40,880	$57,232	8.0210%	0.00%	$ -	$ -	8.15%	$ 287	$ 2,665
72	IN VP1485 Computapole Migration W7	IN VP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	$ 874,103	7/1/2014	84	$280,962	$156,090	$218,526	8.0210%	30.74%	$ 4,134	$ 38,386	10.99%	$ 1,478	$ 13,723
73	1642 - Radio Standardization Cons	IN 1642--Radio Standardization Cons - Capitalized Software	1642	90000093126	YES	G012	$ 3,046,691	7/1/2014	84	$979,294	$544,052	$761,673	8.0210%	17.76%	$ 8,325	$ 77,299	6.11%	$ 2,864	$ 26,593
74	IN VP2997B EVM Phase 2	IN VP2997B Earned Value Management Phase 2 - Capitalized Software	2997B	90000134297	YES	G186	$ 138,248	7/1/2014	84	$44,437	$24,687	$34,562	8.0210%	30.74%	$ 654	$ 6,071	10.99%	$ 234	$ 2,170
75	IN 1182 GAS TRANSPORT SYS (GTIS)	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	$ 1,780,960	7/1/2014	84	$572,451	$318,029	$445,240	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 18 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210 E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210 T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
76	INVP 2997 Earned Value Mgmt Rptg	INVP 2997 Earned Value Mgmt Rptg - Capitalized Software	2997	90000120197	YES	G186	$ 603,575	7/1/2014	84	$194,006	$107,781	$150,894	8.0210%	30.74%	$ 2,855	$ 26,506	10.99%	$ 1,021	$ 9,476
77	INVP3374 SmallWorld GIS FY13 R 1-2	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	90000120127	YES	G198	$ 309,785	7/1/2014	84	$99,574	$55,319	$77,446	8.0210%	41.93%	$ 1,999	$ 18,556	0.00%	$ -	$ -
78	IN N/A NE & NY EMS NERC-CIP Auth MW	IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	$ 64,286	3/1/2014	84	$17,602	$8,418	$13,010	8.0210%	0.00%	$ -	$ -	48.12%	$ 390	$ 4,419
79	INVP 0887	Capitalized Software	887	90000104061	YES	G077	$ 258,131	3/1/2014	84	$70,679	$33,803	$52,241	8.0210%	27.98%	$ 911	$ 10,318	9.98%	$ 325	$ 3,680
80	INVP 1242 - WCOR01	INVP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198	$ 3,750	3/1/2014	84	$1,027	$491	$759	8.0210%	41.93%	$ 20	$ 225	0.00%	$ -	$ -
81	Meter Route Consol	INVP 1182B Gas Transportation System Meter Route Consol	1182B	90000124368	NO	G227	$ 410,384	3/1/2014	84	$112,367	$53,741	$83,054	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
82	INVP N/A- NE EMS TSS	INVP N/A NE EMS TSS Capitalized Software	N/A	90000104968	NO	G272	$ 255,055	3/1/2014	84	$69,837	$33,400	$51,618	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
83	IN1182BGAS TRANS SYS PHASE 2 (GTIS)	Capitalized Software- IN1182BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237	$ 1,675,640	3/1/2014	84	$458,806	$219,429	$339,118	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
84	GAS Transformation	GAS Transformation	N/A	90000096386	YES	G012	$ 114,360	3/1/2014	84	$31,313	$14,976	$23,144	8.0210%	17.76%	$ 256	$ 2,901	6.11%	$ 88	$ 998
85	INVP 2981 US Security Awareness	INVP 2981 US Security Awareness Cap Software	2981	90000117533	YES	G012	$ 250,393	3/1/2014	84	$68,560	$32,790	$50,675	8.0210%	17.76%	$ 561	$ 6,353	6.11%	$ 193	$ 2,186
86	INVP 3393 Enhancement of Reservior W	INVP 3393 Enhancement of Reservior Woods Capitalized Software	3393	90000122634	YES	J063	$ 101,136	2/1/2014	84	$26,488	$12,040	$19,264	8.0210%	9.74%	$ 117	$ 1,407	3.88%	$ 47	$ 561
87	Inspect System Resources/Hard/Softw	Capitalized Software	N/A	90000104057	YES	G160	$ 26,246	2/1/2014	84	$6,874	$3,125	$4,999	8.0210%	27.24%	$ 85	$ 1,021	9.63%	$ 30	$ 361
88	INVP 3294 - PowerPlant Leased Asset	Capitalized Software	3294	90000117978	YES	G012	$ 969,208	2/1/2014	84	$253,840	$115,382	$184,611	8.0210%	17.76%	$ 2,051	$ 24,590	6.11%	$ 706	$ 8,460
89	STD01-Concept Est Tool	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104104	YES	G198	$ 873,898	2/1/2014	84	$228,878	$104,035	$166,457	8.0210%	41.93%	$ 4,366	$ 52,346	0.00%	$ -	$ -
90	CM-NEW02-Simp Order Proc	Capitalized Software	NEW02	90000104149	YES	G198	$ 7,803	2/1/2014	84	$2,044	$929	$1,486	8.0210%	41.93%	$ 39	$ 467	0.00%	$ -	$ -
91	INVP 3103 Business Capture Software	INVP 3103 IRISE Capitalized Software	3103	90000106874	YES	G012	$ 3,036,545	2/1/2014	84	$795,286	$361,493	$578,390	8.0210%	17.76%	$ 6,426	$ 77,041	6.11%	$ 2,211	$ 26,505
92	WCLS13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198	$ 20,566	2/1/2014	84	$5,386	$2,448	$3,917	8.0210%	41.93%	$ 103	$ 1,232	0.00%	$ -	$ -
93	INVP 3195 Storms Archive Tool Imple	INVP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160	$ 627,573	12/1/2013	84	$149,422	$59,769	$104,596	8.0210%	27.24%	$ 1,800	$ 24,422	9.63%	$ 636	$ 8,634
94	INVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	90000107276	YES	G012	$ 1,023,605	11/1/2013	84	$231,530	$85,300	$158,415	8.0210%	17.76%	$ 1,788	$ 25,970	6.11%	$ 615	$ 8,935
95	INVP 3232A - Tallyman & Paperless B	Capitalized Software	3232A	90000116954	YES	G179	$ 953,115	11/1/2013	84	$215,585	$79,426	$147,506	8.0210%	35.18%	$ 3,297	$ 47,901	0.00%	$ -	$ -
96	INVP 1643C - NIMO EL TOU+ Deposits	Capitalized Software	1643C	90000116900	YES	G179	$ 606,020	11/1/2013	84	$137,076	$50,502	$93,789	8.0210%	35.18%	$ -	$ 30,457	0.00%	$ -	$ -
97	INVP 3307 iFactor Storm Center Host	Capitalized Software	3307	90000119141	YES	G012	$ 668,684	11/1/2013	84	$151,250	$55,724	$103,487	8.0210%	17.76%	$ 1,168	$ 16,965	6.11%	$ 402	$ 5,837
98	INVP1549-Non-Interval Collect Sys C	Capitalized Software	1549	90000107743	YES	G012	$ 1,099,783	11/1/2013	84	$248,760	$91,649	$170,205	8.0210%	17.76%	$ 1,921	$ 27,903	6.11%	$ 661	$ 9,600
99	INVP 1356A US Retail Web Customer &	INVP 1356A US Retail Web Customer & Markets	1356A	90000100058	YES	G179	$ 6,726,634	11/1/2013	84	$1,521,501	$560,553	$1,041,027	8.0210%	35.18%	$ 23,271	$ 338,061	0.00%	$ -	$ -
100	INVP 2732 US Storage Switch Replace	Capitalized Software	2732	90000104631	YES	G012	$ 588,353	11/1/2013	84	$133,080	$49,029	$91,055	8.0210%	17.76%	$ 1,028	$ 14,927	6.11%	$ 354	$ 5,135
101	EDOT-Customer Management-CM-NEW03	Capitalized Software	NEW03	90000093776	YES	G198	$ 208,231	11/1/2013	84	$47,100	$17,353	$32,226	8.0210%	41.93%	$ 859	$ 12,473	0.00%	$ -	$ -
102	INVP 1389 US Computing Minor Works	Capitalized Software	1389	90000104257	YES	G012	$ 267,594	11/1/2013	84	$60,527	$22,299	$41,413	8.0210%	17.76%	$ 467	$ 6,789	6.11%	$ 161	$ 2,336
103	INVP 2832 - ACIS Alliance Contracts	Capitalized Software	2832	90000112827	YES	G186	$ 324,412	11/1/2013	84	$73,379	$27,034	$50,207	8.0210%	30.74%	$ 981	$ 14,246	10.99%	$ 351	$ 5,093
104	IN 2172-IDS Reporting & Analysis	Capitalized Software	2172	90000106487	YES	G198	$ 710,520	11/1/2013	84	$160,713	$59,210	$109,961	8.0210%	41.93%	$ 2,930	$ 42,560	0.00%	$ -	$ -
105	Global Web Implementation	Capitalized Software	N/A	90000095326	YES	G012	$ 4,281,380	11/1/2013	84	$968,407	$356,782	$662,595	8.0210%	17.76%	$ 7,478	$ 108,625	6.11%	$ 2,573	$ 37,370
106	INVP 3076-QAS Address Hygiene	Capitalized Software	3076	90000100487	YES	G012	$ 270,279	11/1/2013	84	$61,135	$22,523	$41,829	8.0210%	17.76%	$ 472	$ 6,857	6.11%	$ 162	$ 2,359
107	INVP 3210 - Infographics Conversion	Capitalized Software	3210	90000116474	NO	G259	$ 1,327,228	11/1/2013	84	$300,206	$110,602	$205,404	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
108	INVP2135-Cust Choice Email Tracking	Capitalized Software	2135	90000113005	YES	G012	$ 621,113	11/1/2013	84	$140,490	$51,759	$96,125	8.0210%	17.76%	$ 1,085	$ 15,759	6.11%	$ 373	$ 5,421
109	IN 2522 VTL REPLACEMENT US	INVP2522 VTL Replacement Cap Software	2522	90000104630	YES	HT71	$ 648,194	11/1/2013	84	$146,615	$54,016	$100,316	8.0210%	16.66%	$ 1,062	$ 15,427	0.00%	$ -	$ -
110	IN 2960B CRM SAAS IMPLEMEN	Software-INVP 2960B CRM Salesforce SaaS	2960B	90000119937	YES	G175	$ 1,117,121	10/1/2013	84	$239,383	$79,794	$159,589	8.0210%	21.83%	$ 2,229	$ 34,838	0.00%	$ -	$ -
111	INVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	90000118115	YES	G012	$ 326,615	10/1/2013	84	$69,989	$23,330	$46,659	8.0210%	17.76%	$ 530	$ 8,287	6.11%	$ 182	$ 2,851
112	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ (2,545,646)	4/1/2013	120	$0	$0	$0	8.0210%	17.76%	$ 14,861	$ -	6.11%	$ 5,113	$ -
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ (284,633)	4/1/2013	120	$0	$0	$0	8.0210%	17.76%	$ 1,662	$ -	6.11%	$ 572	$ -
114	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ (2,195,181)	4/1/2013	120	$0	$0	$0	8.0210%	17.76%	$ 12,815	$ -	6.11%	$ 4,409	$ -
115	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ 2,195,181	11/1/2012	120	$786,607	$567,089	$676,848	8.0210%	17.76%	$ 7,324	$ 38,986	6.11%	$ 2,520	$ 13,413
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ 284,633	11/1/2012	120	$101,994	$73,530	$87,762	8.0210%	17.76%	$ 950	$ 5,055	6.11%	$ 327	$ 1,739
117	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ 2,545,646	11/1/2012	120	$912,190	$657,625	$784,907	8.0210%	17.76%	$ 8,494	$ 45,211	6.11%	$ 2,922	$ 15,554
118	USFP-PMO - R1	Capitalized Software--USFP-PMO - R1	USFP	90000107539	YES	G012	$ 13,294,040	11/1/2012	120	$4,763,697	$3,434,294	$4,098,996	8.0210%	17.76%	$ 44,356	$ 236,102	6.11%	$ 15,260	$ 81,227
119	USFP-Process & Design -R1	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	$ 7,564,718	11/1/2012	120	$2,710,691	$1,954,219	$2,332,455	8.0210%	17.76%	$ 25,240	$ 134,349	6.11%	$ 8,683	$ 46,220
120	USFP - Hardware & Software-DD	USFP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012	$ 2,770,640	11/1/2012	120	$992,813	$715,749	$854,281	8.0210%	17.76%	$ 9,244	$ 49,207	6.11%	$ 3,180	$ 16,929
121	USFP - Solution Architecture-DD	USFP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012	$ 2,908,470	11/1/2012	120	$1,042,202	$751,355	$896,778	8.0210%	17.76%	$ 9,704	$ 51,654	6.11%	$ 3,339	$ 17,771
122	USFP - PMO-DD	USFP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012	$ 4,761,712	11/1/2012	120	$1,706,280	$1,230,109	$1,468,194	8.0210%	17.76%	$ 15,888	$ 84,568	6.11%	$ 5,466	$ 29,094
123	USFP-Business Engagement -R1	Capitalized Software-USFP-Business Engagement -R1	USFP	90000107549	YES	G012	$ 154,570	11/1/2012	120	$55,388	$39,931	$47,659	8.0210%	17.76%	$ 516	$ 2,745	6.11%	$ 177	$ 944
124	HR STREAM - DESIGN CAPEX	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	$ 826,202	11/1/2012	120	$296,056	$213,436	$254,746	8.0210%	17.76%	$ 2,757	$ 14,673	6.11%	$ 948	$ 5,048
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012	$ 1,708,792	11/1/2012	120	$612,317	$441,438	$526,877	8.0210%	17.76%	$ 5,701	$ 30,348	6.11%	$ 1,961	$ 10,441
126	USFP - Testing-DD	USFP - Testing-DD - Capitalized Software	USFP	90000104648	YES	G012	$ 209,496	11/1/2012	120	$75,070	$54,120	$64,595	8.0210%	17.76%	$ 699	$ 3,721	6.11%	$ 240	$ 1,280
127	USFP Test Net Strat	Capitalized Software- USFP Test Net Strat	USFP	90000117362	YES	G012	$ 1,305,452	11/1/2012	120	$467,787	$337,242	$402,514	8.0210%	17.76%	$ 4,356	$ 23,185	6.11%	$ 1,498	$ 7,976
128	USFP Test Ops	Capitalized Software- USFP Test Ops	USFP	90000117358	YES	G012	$ 4,359,638	11/1/2012	120	$1,562,204	$1,126,240	$1,344,222	8.0210%	17.76%	$ 14,546	$ 77,427	6.11%	$ 5,004	$ 26,637
129	USFP-Customer -R1	Capitalized Software- USFP-Customer -R1	USFP	90000107547	YES	G012	$ 2,728,737	11/1/2012	120	$977,797	$704,924	$841,361	8.0210%	17.76%	$ 9,104	$ 48,462	6.11%	$ 3,132	$ 16,673
130	USFP-Reporting & Info - R1	Capitalized Software-USFP-Reporting & Info - R1	USFP	90000107544	YES	G012	$ 6,197,728	11/1/2012	120	$2,220,852	$1,601,080	$1,910,966	8.0210%	17.76%	$ 20,679	$ 110,072	6.11%	$ 7,114	$ 37,868
131	US Pre-BLUEPRINT STRATEGY PLAN	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	$ 6,530,003	11/1/2012	120	$2,339,918	$1,686,917	$2,013,418	8.0210%	17.76%	$ 21,787	$ 115,973	6.11%	$ 7,496	$ 39,898
132	USFP-Hardware & Software-R1	Capitalized Software- USFP-Hardware & Software-R1	USFP	90000107551	YES	G012	$ 23,426,143	11/1/2012	120	$8,394,368	$6,051,754	$7,223,061	8.0210%	17.76%	$ 78,162	$ 416,048	6.11%	$ 26,890	$ 143,134
133	USFP Test Finance	USFP Test Finance Capitalized Software	USFP	90000117364	YES	G012	$ 3,910,865	11/1/2012	120	$1,401,393	$1,010,307	$1,205,850	8.0210%	17.76%	$ 13,049	$ 69,457	6.11%	$ 4,489	$ 23,895
134	USFP - Process & Design-DD	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	YES	G012	$ 17,463,817	11/1/2012	120	$6,257,868	$4,511,486	$5,384,677	8.0210%	17.76%	$ 58,268	$ 310,157	6.11%	$ 20,046	$ 106,704
135	S/CHAIN STREAM - DESIGN CAPEX	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	$ 1,038,127	11/1/2012	120	$371,995	$268,183	$320,089	8.0210%	17.76%	$ 3,464	$ 18,437	6.11%	$ 1,192	$ 6,343
136	US FOUNDATION PRGM ARCH/DECOM	Capitalized Software- US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012	$ 1,242,446	11/1/2012	120	$445,210	$320,965	$383,087	8.0210%	17.76%	$ 4,145	$ 22,066	6.11%	$ 1,426	$ 7,591
137	USFP-Solution Architecture-R1	Capitalized Software- USFP-Solution Architecture-R1	USFP	90000107550	YES	G012	$ 2,536,861	11/1/2012	120	$909,042	$655,356	$782,199	8.0210%	17.76%	$ 8,464	$ 45,055	6.11%	$ 2,912	$ 15,500
138	USFP - Data Strategy-DD	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012	$ 2,531,924	11/1/2012	120	$907,273	$654,080	$780,676	8.0210%	17.76%	$ 8,448	$ 44,967	6.11%	$ 2,906	$ 15,470
139	PROCESS CONTROL - DESIGN CAPEX	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	$ 138,806	11/1/2012	120	$49,739	$35,858	$42,799	8.0210%	17.76%	$ 463	$ 2,465	6.11%	$ 159	$ 848
140	INFORMATION MGMT - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	YES	G012	$ 346,941	11/1/2012	120	$124,320	$89,626	$106,973	8.0210%	17.76%	$ 1,158	$ 6,162	6.11%	$ 398	$ 2,120
141	PROCESS & DATA - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012	$ 271,405	11/1/2012	120	$97,254	$70,113	$83,683	8.0210%	17.76%	$ 906	$ 4,820	6.11%	$ 312	$ 1,658
142	USFP-Build & Unit Test -R1	Capitalized Software-USFP-Build & Unit Test -R1	USFP	90000107541	YES	G012	$ 26,765,794	11/1/2012	120	$9,591,076	$6,914,497	$8,252,787	8.0210%	17.76%	$ 89,305	$ 475,361	6.11%	$ 30,724	$ 163,539
143	USFP-Business Readiness -R1	Capitalized Software- USFP-Business Readiness -R1	USFP	90000107548	YES	G012	$ 2,020,438	11/1/2012	120	$723,990	$521,947	$622,968	8.0210%	17.76%	$ 6,741	$ 35,883	6.11%	$ 2,319	$ 12,345
144	USFP-Data Strategy - R1	Capitalized Software- USFP-Data Strategy - R1	USFP	90000107543	YES	G012	$ 7,738,324	11/1/2012	120	$2,772,899	$1,999,067	$2,385,983	8.0210%	17.76%	$ 25,819	$ 137,433	6.11%	$ 8,883	$ 47,281
145	USFP Test SS	Capitalized Software-USFP Test SS	USFP	90000117367	YES	G012	$ 46,113,703	11/1/2012	120	$16,524,077	$11,912,707	$14,218,392	8.0210%	17.76%	$ 153,859	$ 818,979	6.11%	$ 52,932	$ 281,755
146	USFP-Testing -R1	Capitalized Software- USFP-Testing -R1	USFP	90000107542	YES	G012	$ 61,366,885	11/1/2012	120	$21,989,800	$15,853,112	$18,921,456	8.0210%	17.76%	$ 204,752	$ 1,089,876	6.11%	$ 70,441	$ 374,952
147	USFP-Tech Delivery - R1	Capitalized Software- USFP-Tech Delivery - R1	USFP	90000107545	YES	G012	$ 4,595,067	11/1/2012	120	$1,646,566	$1,187,059	$1,416,812	8.0210%	17.76%	$ 15,332	$ 81,608	6.11%	$ 5,275	$ 28,076
148	USFP - Reporting & Info-DD	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104650	YES	G012	$ 2,503,961	11/1/2012	120	$897,253	$646,857	$772,055	8.0210%	17.76%	$ 8,355	$ 44,470	6.11%	$ 2,874	$ 15,299
149	SOLUTION DEL - DESIGN CAPEX	SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000097840	YES	G012	$ 906,402	11/1/2012	120	$324,794	$234,154	$279,474	8.0210%	17.76%	$ 3,024	$ 16,098	6.11%	$ 1,040	$ 5,538
150	SOLUTION ARCH - DESIGN CAPEX	SOLUTION ARCH - DESIGN CAPEX - Capitalized Software	USFP	90000097839	YES	G012	$ 199,928	11/1/2012	120	$71,641	$51,648	$61,645	8.0210%	17.76%	$ 667	$ 3,551	6.11%	$ 229	$ 1,222

Case 17-E-0238
Appendix 5
Schedule 19
Page 19 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210 E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210 T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
151	FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000978138	YES	G012	$ 1,441,354	11/1/2012	120	$516,485	$372,350	$444,418	8.0210%	17.76%	$ 4,809	$ 25,598	6.11%	$ 1,654	$ 8,807
152	USFP - Controls & Roles-DD	USFP - Controls & Roles-DD - Capitalized Software	USFP	90000104652	YES	G012	$ 2,694,151	11/1/2012	120	$965,404	$695,989	$830,697	8.0210%	17.76%	$ 8,989	$ 47,848	6.11%	$ 3,093	$ 16,461
153	USFP - Build & Unit Test-DD	USFP - Build & Unit Test-DD - Capitalized Software	USFP	90000104647	YES	G012	$ 2,783,413	11/1/2012	120	$997,390	$719,048	$858,219	8.0210%	17.76%	$ 9,287	$ 49,433	6.11%	$ 3,195	$ 17,007
154	USFP-Controls & Roles -R1	Capitalized Software- USFP-Controls & Roles -R1	USFP	90000107546	YES	G012	$ 7,773,544	11/1/2012	120	$2,785,520	$2,008,165	$2,396,843	8.0210%	17.76%	$ 25,937	$ 138,058	6.11%	$ 8,923	$ 47,496
155	USFP Test Procure	USFP Test Procure Capitalized Software	USFP	90000117369	YES	G012	$ 311,956	11/1/2012	120	$111,784	$80,589	$96,187	8.0210%	17.76%	$ 1,041	$ 5,540	6.11%	$ 358	$ 1,906
156	USFP Test HR	USFP Test HR Capitalized Software	USFP	90000117366	YES	G012	$ 9,899	11/1/2012	120	$3,547	$2,557	$3,052	8.0210%	17.76%	$ 33	$ 176	6.11%	$ 11	$ 60
157	USFP - Cutover-DD	USFP - Cutover-DD - Capitalized Software	USFP	90000104653	YES	G012	$ 118,108	11/1/2012	120	$42,322	$30,511	$36,417	8.0210%	17.76%	$ 394	$ 2,098	6.11%	$ 136	$ 722
158	DESIGN AUTH - DESIGN CAPEX	DESIGN AUTH - DESIGN CAPEX - Capitalized Software	USFP	90000097842	YES	G012	$ 318,531	11/1/2012	120	$114,140	$82,287	$98,214	8.0210%	17.76%	$ 1,063	$ 5,657	6.11%	$ 366	$ 1,946
159	PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software	USFP	90000097837	YES	G012	$ 5,995,338	11/1/2012	120	$2,148,329	$1,548,796	$1,848,562	8.0210%	17.76%	$ 20,004	$ 106,477	6.11%	$ 6,882	$ 36,632
160	TXFER00099	FDC Enhancement (work order #8K008002108)	N/A	1TXFER00099	NO	C310	$ 2,245,499	10/1/2012	84	$160,393	$0	$80,196	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
161	IN 2330 ETRM Repl Nucleus-Elec Bene	Cap Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	90000106247	YES	G198	$ 579,164	10/1/2012	84	$41,369	$0	$20,684	8.0210%	41.93%	$ 703	$ 17,346	0.00%	$ -	$ -
162	IN 2330 ETRM Repl Nucleus-Gas Benef	IN 2330 ETRM Repl Nucleus-Gas Benef	2330	90000106246	YES	G210	$ 6,005,256	10/1/2012	84	$428,947	$0	$214,473	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
163	TXFER00099	IN 2992 MA GAS SINGLE BILL (Work order #8K008002315)	2992	1TXFER00099	NO	C310	$ 754,588	10/1/2012	84	$53,899	$0	$26,950	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
164	TXFER00099	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	2652	1TXFER00099	NO	C310	$ 427,462	10/1/2012	84	$30,533	$0	$15,266	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
165	IN 1488-Remote Access to Fault REC	Capitalized Software	1488	90000104110	YES	G220	$ 247,958	9/1/2012	84	$14,759	$0	$7,380	8.0210%	0.00%	$ -	$ -	48.12%	$ 304	$ 7,102
166	KPI Reporting Tool	KPI Reporting Tool	N/A	90000103772	YES	G012	$ 1,184,110	8/1/2012	84	$56,386	$0	$28,193	8.0210%	17.76%	$ 463	$ 10,014	6.11%	$ 159	$ 3,445
167	IN 1656-CUST. Systems Agent desktop	IN 1656-CUST. Systems Agent desktop	1656	90000104112	NO	C225	$ 10,436,678	8/1/2012	84	$496,985	$0	$248,492	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
168	IN 1671-US Transaction DEL HUB	IN 1671-US Transaction DEL HUB	1671	90000104114	YES	G012	$ 526,002	8/1/2012	84	$25,048	$0	$12,524	8.0210%	17.76%	$ 206	$ 4,448	6.11%	$ 71	$ 1,530
169	TXFER00099 (GTIS)	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	1TXFER00099	NO	C225	$ 3,866,615	6/1/2012	84	$92,062	$0	$46,031	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
170	IN 1482--ACIS Target Pricing Model	Capitalized Software	1482	90000099166	YES	G198	$ 569,716	6/1/2012	84	$13,565	$0	$6,782	8.0210%	41.93%	$ 360	$ 5,688	0.00%	$ -	$ -
171	IN VP 0953 - Bill Pool 231	Smallworld GIS/PowerOn 4.0 upgrade	953	90000104088	YES	G198	$ 4,345,552	6/1/2012	84	$103,466	$0	$51,733	8.0210%	41.93%	$ 2,744	$ 43,383	0.00%	$ -	$ -
172	Desktop (email, AD & SharePoint)	Desktop (email, AD & SharePoint)	N/A	90000096388	YES	G012	$ 1,258,446	3/1/2012	84	$0	$0	$0	8.0210%	17.76%	$ 181	$ -	6.11%	$ 62	$ -
173	TXFER00099	IN 1259B Contact Ctr Consol (work order #8K008002213)	1259B	1TXFER00099	NO	C310	$ 718,478	3/1/2012	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
174	Desktop (refresh)	Desktop (refresh)	N/A	90000096380	YES	G012	$ 950,271	3/1/2012	84	$0	$0	$0	8.0210%	17.76%	$ 137	$ -	6.11%	$ 47	$ -
175	Data Center Rationalization	Data Center Rationalization	N/A	90000096387	YES	G012	$ 793,491	3/1/2012	84	$0	$0	$0	8.0210%	17.76%	$ 114	$ -	6.11%	$ 39	$ -
176	CDH Acct Initiation	CDH Acct Initiation	N/A	90000096389	YES	G012	$ 516,140	3/1/2012	84	$0	$0	$0	8.0210%	17.76%	$ 74	$ -	6.11%	$ 26	$ -
177	IN 0980E - FiServ Solutions	IN 0980E - FiServ Solutions	0980E	90000098664	YES	G179	$ 453,167	3/1/2012	84	$0	$0	$0	8.0210%	35.18%	$ 129	$ -	0.00%	$ -	$ -
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	N/A	90000095332	YES	G012	$ 1,617,868	2/1/2012	84	$0	$0	$0	8.0210%	17.76%	$ 233	$ -	6.11%	$ 80	$ -
179	Cascade Phase II project 2 of 2	Cascade Phase II project 2 of 2	N/A	90000116202	YES	G220	$ 1,051,038	12/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	48.12%	$ -	$ -
180	Cascade Phase II project 1 of 2	Cascade Phase II project 1 of 2	N/A	90000116201	YES	G198	$ 1,576,557	12/1/2011	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
181	UHF Spectrum Purchase Project	UHF Spectrum Purchase Project	N/A	90000104189	NO	G284	$ 2,116,624	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
182	IN VP 1242TB - KPI Metrics	IN VP 1242TB - KPI Metrics	1242TB	90000104180	YES	G198	$ 622,592	10/1/2011	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
183	Video Conferencing	Video Conferencing	N/A	90000096376	YES	G012	$ 1,207,479	10/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
184	JBCRD01I-Wholesale Re-Des	JBCRD01I-Wholesale Re-Des	N/A	90000104116	YES	G198	$ 436,385	10/1/2011	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
185	IN VP 1242 - DECUS05	IN VP 1242 - DECUS05	1242	90000104179	YES	G198	$ 253,998	10/1/2011	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
186	IN VP 1224	IN VP 1224	1224	90000104101	YES	G220	$ 601,562	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	48.12%	$ -	$ -
187	DECUS05-Autom for Mng Req	DECUS05-Autom for Mng Req	DECUS05	90000104123	YES	G198	$ 1,914,655	10/1/2011	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
188	WCOR09 - AVLS Integration	WCOR09 - AVLS Integration	WCOR09	90000104151	YES	G198	$ 313,523	10/1/2011	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
189	IN VP 1391	IN VP 1391	1391	90000104068	YES	G077	$ 523,093	9/1/2011	84	$0	$0	$0	8.0210%	27.98%	$ -	$ -	9.98%	$ -	$ -
190	IN 0823 Security Enhance Project	IN 0823 Security Enhance Project	823	90000096383	YES	G012	$ 313,244	9/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
191	NY NE IVR Replacement(NIMO)	NY NE IVR Replacement(NIMO)	N/A	90000112170	YES	G750	$ 1,058,009	7/1/2011	84	$0	$0	$0	8.0210%	83.00%	$ -	$ -	0.00%	$ -	$ -
192	NE_NY IVR Replacement-Phase I(NIMO	NE_NY IVR Replacement-Phase I(NIMO	N/A	90000112171	YES	G750	$ 1,489,236	7/1/2011	84	$0	$0	$0	8.0210%	83.00%	$ -	$ -	0.00%	$ -	$ -
193	Combine Meter Reading Routes	Combine Meter Reading Routes	N/A	90000104231	NO	G285	$ 364,462	5/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
194	IN 0309-SCM-ENGAGE VENDOR	IN 0309-SCM-ENGAGE VENDOR	309	90000104115	YES	G012	$ 312,721	3/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
195	IN VP N/A-Talent Management	IN VP N/A-Talent Management	N/A	90000104109	YES	G012	$ 208,232	3/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
196	LIM/ZEMA Project	LIM/ZEMA Project	N/A	90000097857	YES	G012	$ 402,988	3/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
197	FFA (NIMO)	FFA (NIMO)	N/A	90000084449	YES	G750	$ 7,548,509	3/1/2011	29	$0	$0	$0	8.0210%	83.00%	$ -	$ -	0.00%	$ -	$ -
198	S&M Data Warehouse Expansion	S&M Data Warehouse Expansion	N/A	90000096374	YES	G012	$ 981,583	3/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
199	Plan & Perf for Exec & US Dir	Plan & Perf for Exec & US Dir	USFP	90000096375	YES	G012	$ 294,053	3/1/2011	84	$0	$0	$0	8.0210%	17.76%	$ -	$ -	6.11%	$ -	$ -
200	IN VP2391-Implement UI Planner-CAPEX	IN VP2391-Implement UI Planner-CAPEX	2391	90000096140	YES	G138	$ 1,686,410	3/1/2011	84	$0	$0	$0	8.0210%	18.29%	$ -	$ -	6.32%	$ -	$ -
201	Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	90000105793	NO	G272	$ 13,392	12/1/2010	4	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
202	GIS Project (Bankers Lease)	GIS Project (Bankers Lease)	N/A	90000105800	NO	G284	$ 44,404	12/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
203	ACIS Project (Banker's lease)	ACIS Project (Banker's lease)	N/A	90000106051	NO	G259	$ 154,535	12/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
204	ISP01-Integrated Strat Plan	ISP01-Integrated Strat Plan	ISP01	90000104122	YES	G198	$ 1,105,706	12/1/2010	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
205	SHORT04-Prima P6 Upgrade	SHORT04-Prima P6 Upgrade	SHORT04	90000104121	YES	G198	$ 1,443,524	12/1/2010	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
206	TGM (formerly Bankers Lease)	TGM (formerly Bankers Lease)	N/A	90000105795	YES	G220	$ 12,348	12/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -	48.12%	$ -	$ -
207	IN 1242D-ISP-Integrated Strat Plan	Capitalized Software	1242D	90000096320	YES	G198	$ 360,244	12/1/2010	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
208	AIMMS Project - Bill Pool 233	AIMMS Project - Bill Pool 233	N/A	90000104238	YES	G220	$ 47,097	10/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	48.12%	$ -	$ -
209	Cascade Phase I project 2 of 2	Cascade Phase I project 2 of 2 Bill Pool 231	N/A	90000102451	YES	G198	$ 588,773	10/1/2010	84	$0	$0	$0	8.0210%	41.93%	$ -	$ -	0.00%	$ -	$ -
210	IVR Project Work	IVR Project Work	N/A	90000104059	NO	C284	$ 1,193,074	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
211	IN 1588-21st Cent. FOR SYRACUSE/NB	IN 1588-21st Cent. FOR SYRACUSE/NB	1588	90000104113	YES	G012	$ 273,401	9/1/2010	84	$0	$0	$0	8.0210%	17.76%	$ 39	$ -	6.11%	$ 14	$ -
212	IN VP 1401	IN VP 1401	1401	90000104080	YES	G012	$ 527,701	9/1/2010	84	$0	$0	$0	8.0210%	17.76%	$ 76	$ -	6.11%	$ 26	$ -
213	WO for Capital Chgs-FFA	WO for Capital Chgs-FFA	N/A	90000104186	NO	G284	$ 7,411,737	9/1/2010	29	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
214	Bnk Lease W MA F Optic Proj	Bnk Lease W MA F Optic Proj	N/A	90000104185	NO	G284	$ 435,545	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
215	AIMMS Project - Bill Pool 231	AIMMS Project - Bill Pool 231	N/A	90000104193	YES	G198	$ 231,345	9/1/2010	6	$0	$0	$0	8.0210%	41.93%	$ 79	$ -	0.00%	$ -	$ -
216	CIS Consolidation	CIS Consolidation	N/A	90000104055	NO	C284	$ 28,900,771	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
217	Web Initiatives FY09 - Phase 1	Web Initiatives FY09 - Phase 1	N/A	90000096373	YES	G012	$ 2,010,464	9/1/2010	84	$0	$0	$0	8.0210%	17.76%	$ 290	$ -	6.11%	$ 100	$ -
218	IN VP 0845	IN VP 0845	845	90000104060	YES	G012	$ 464,135	9/1/2010	84	$0	$0	$0	8.0210%	17.76%	$ 67	$ -	6.11%	$ 23	$ -
219	TXFER00099	GAS SCADA Upgrade/Modernize	N/A	1TXFER00099	NO	G239	$ 2,987,041	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
220	OMS-Capital - Bill Pool 232	OMS-Capital - Bill Pool 232	N/A	90000104188	NO	G284	$ 1,059,216	9/1/2010	35	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
221	IN N/A-NERC CIP Compliance	IN N/A-NERC CIP Compliance	N/A	90000096381	YES	G186	$ 1,155,595	7/1/2010	84	$0	$0	$0	8.0210%	30.74%	$ 288	$ -	10.99%	$ 103	$ -
222	Cascade Phase I project 1 of 2	Cascade Phase I project 1 of 2 Bill Pool 233	N/A	90000102450	YES	G220	$ 392,515	7/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	48.12%	$ 153	$ -
223	OneNet	OneNet	N/A	90000096379	YES	G012	$ 4,483,264	6/1/2010	84	$0	$0	$0	8.0210%	17.76%	$ 646	$ -	6.11%	$ 222	$ -
224	Contact Centers Call Recording	Contact Centers Call Recording	N/A	90000096385	YES	G012	$ 361,473	3/1/2010	84	$0	$0	$0	8.0210%	17.76%	$ 52	$ -	6.11%	$ 18	$ -
225	TXFER00099	BUS TRANS - WIRES & PIPES - CAPITAL	N/A	1TXFER00099	NO	G227	$ 178	3/1/2007	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
226	TXFER00099	HR BENEFITS	N/A	1TXFER00099	NO	NZ37	$ 5,405,642	7/1/1999	83.97	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
227	1TXFER00099	DATA WAREHOUSE	N/A	1TXFER00099	NO	G230	$ 2,328,852	7/1/1999	60	$0	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
228	IN VP 2927 US Desktop Refresh	IN VP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 223,999	5/1/2016	84	$130,666	$98,666	$114,666	8.0210%	17.76%	$ 1,219	$ 5,683	6.11%	$ 420	$ 1,955
229	IN VP3853 NMPC C-Cure Conv to AMAG	IN VP3614A2 IAM Ph3 Web Administration	3853	90000417742	YES	G020	$ 1,541,380	12/1/2016	84	$1,027,587	$807,389	$917,488	8.0210%	17.76%	$ 9,721	$ 39,107	6.11%	$ 3,344	$ 13,454
230	IN VP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1	12/1/2016	84	$1	$0	$0	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 20 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210 E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210 T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
231	INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000170693	YES	G020	$ 93,939	12/1/2016	84	$62,626	$49,206	$55,916	8.0210%	17.76%	$ 592	$ 2,383	6.11%	$ 204	$ 820
232	INVP 3896 SMI Conversion Mobilizati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	90000153520	YES	G020	$ 3,095,820	12/1/2016	84	$2,063,880	$1,621,620	$1,842,750	8.0210%	17.76%	$ 19,525	$ 78,545	6.11%	$ 6,717	$ 27,022
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176043	YES	G012	$ 637,905	12/1/2016	120	$489,061	$425,270	$457,165	8.0210%	17.76%	$ 4,825	$ 11,329	6.11%	$ 1,660	$ 3,898
234	INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	90000176039	YES	G012	$ 2,749,134	12/1/2016	120	$2,107,669	$1,832,756	$1,970,213	8.0210%	17.76%	$ 20,795	$ 48,825	6.11%	$ 7,154	$ 16,797
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	90000172054	YES	G012	$ 1,858,401	12/1/2016	120	$1,424,774	$1,238,934	$1,331,854	8.0210%	17.76%	$ 14,057	$ 33,005	6.11%	$ 4,836	$ 11,355
236	INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File_Email Transfer (Full) (Cyber Security)	3614	90000170691	YES	G020	$ 68,180	12/1/2016	84	$45,453	$35,713	$40,583	8.0210%	17.76%	$ 430	$ 1,730	6.11%	$ 148	$ 595
237	INVP3614A1 IAM Ph2:Identity Adminis	INVP3614A1 IAM Ph2:Identity Administration (Cyber Security)	3614A	90000141707	YES	G020	$ 2,647,721	12/1/2016	84	$1,765,148	$1,386,902	$1,576,025	8.0210%	17.76%	$ 16,699	$ 67,176	6.11%	$ 5,745	$ 23,111
238	INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	90000178452	YES	G012	$ 803,788	12/1/2016	120	$616,238	$535,859	$576,048	8.0210%	17.76%	$ 6,080	$ 14,275	6.11%	$ 2,092	$ 4,911
239	INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP	90000176041	YES	G012	$ 723,292	12/1/2016	120	$554,524	$482,195	$518,359	8.0210%	17.76%	$ 5,471	$ 12,846	6.11%	$ 1,882	$ 4,419
240	INVP 4218 - Blanket Work Order	INVP 4218 - Blanket Work Order	USFP	90000178859	YES	G012	$ 2,393,826	12/1/2016	120	$1,835,266	$1,595,884	$1,715,575	8.0210%	17.76%	$ 18,107	$ 42,514	6.11%	$ 6,230	$ 14,626
241	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1,480,189	12/1/2016	84	$986,792	$775,337	$881,065	8.0210%	0.00%	$ -	$ -	0.00%	$ -	$ -
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176046	YES	G012	$ 426,099	12/1/2016	120	$326,676	$284,066	$305,371	8.0210%	17.76%	$ 3,223	$ 7,568	6.11%	$ 1,109	$ 2,603
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176040	YES	G012	$ 1,250,841	12/1/2016	120	$958,978	$833,894	$896,436	8.0210%	17.76%	$ 9,462	$ 22,215	6.11%	$ 3,255	$ 7,643
244	INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	90000170290	YES	G020	$ 306,947	12/1/2016	84	$204,631	$160,782	$182,706	8.0210%	17.76%	$ 1,936	$ 7,788	6.11%	$ 666	$ 2,679
245	INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614	90000141754	YES	G020	$ 2,171,757	12/1/2016	84	$1,447,838	$1,137,587	$1,292,712	8.0210%	17.76%	$ 13,697	$ 55,101	6.11%	$ 4,712	$ 18,956
246	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 16,772	12/1/2016	120	$12,858	$11,181	$12,020	8.0210%	17.76%	$ 127	$ 298	6.11%	$ 44	$ 102
247	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ (21,448)	12/1/2016	84	$0	$0	$0	8.0210%	17.76%	$ 125	$ -	6.11%	$ 43	$ -
		Total IS					$7,58,388,331			$289,363,251	$210,757,618	$250,060,434			$ 2,960,277	$ 14,963,989		$ 673,165	$ 3,247,740

NIMO E $ 21,845,170

Case 17-E-0238
Appendix 5
Schedule 19
Page 21 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
1	INVP 3564 Cust Choice ESCO Gas	INVP 3564 Customer Choice ESCO Gas Management	3564	90000134705	NO	C225	$ 14,409,951	10/1/2016	84	$7,204,976	$5,146,411	$6,175,693	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
2	INVP 4172 - Cross Company Customer	INVP 4172 - Cross Company Customer System Enhancements	4172	90000164825	YES	C175	$13,889,170	9/1/2016	84	$6,779,238	$4,795,071	$5,787,154	7.9910%	23.28%	$ 80,859	$ 461,898	0.00%	$ -	$ -
3	INVP 4102 - Capture Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	G207	$303,525	9/1/2016	84	$148,149	$104,788	$126,469	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
4	INVP 4244 - US Control EBB Gas	INVP 4244 - US Control EBB Gas Trading Day Changes	4244	90000178826	YES	G210	$617,691	7/1/2016	84	$286,785	$198,544	$242,664	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
5	INVP 3914 - Bill Print Facility	INVP 3194 - Bill Print Facility Relocation Support	3914	90000171355	YES	C175	$317,738	7/1/2016	84	$147,521	$102,130	$124,826	7.9910%	23.28%	$ 1,748	$ 10,567	0.00%	$ -	$ -
6	INVP3629 Cascade System for Gas	INVP3629 Cascade System for Gas	3629	90000134426	YES	G210	$2,353,207	7/1/2016	84	$1,092,561	$756,388	$924,474	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
7	INVP3853 NMPC C-Cure Conv to AMAG	INVP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000143855	YES	G113	$822,678	7/1/2016	84	$381,958	$264,432	$323,195	7.9910%	79.46%	$ 15,444	$ 93,386	0.00%	$ -	$ -
8	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	($76,185)	6/1/2016	120	$0	$0	$0	7.9910%	17.76%	$ 443	$ -	6.11%	$ 152	$ -
9	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	($379,815)	6/1/2016	120	$0	$0	$0	7.9910%	17.76%	$ 2,209	$ -	6.11%	$ 760	$ -
10	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	($149,379)	6/1/2016	120	$0	$0	$0	7.9910%	17.76%	$ 869	$ -	6.11%	$ 299	$ -
11	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$413,864	5/1/2016	84	$182,297	$123,174	$152,735	7.9910%	17.76%	$ 1,635	$ 10,500	6.11%	$ 562	$ 3,612
12	INVP3839 NY Retail Access	INVP3839 NY Retail Access Mandate	3839	90000141799	YES	G170	$2,330,372	5/1/2016	84	$1,026,474	$693,563	$860,018	7.9910%	43.49%	$ 22,542	$ 144,783	0.00%	$ -	$ -
13	INVP2583 CRIS Migration	INVP 2583 CRIS Migration to CSS System	2583	90000137859	NO	C225	$0	5/1/2016	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
14	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$6,823,937	5/1/2016	84	$3,005,782	$2,030,934	$2,518,358	7.9910%	17.76%	$ 26,957	$ 173,133	6.11%	$ 9,274	$ 59,563
15	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	($3,665,858)	5/1/2016	120	$0	$0	$0	7.9910%	17.76%	$ 21,320	$ -	6.11%	$ 7,335	$ -
16	INVP4024 Soft Off Program	INVP4024 Soft Off Program	4024	90000156029	YES	G207	$1,285,464	4/1/2016	84	$550,913	$367,275	$459,094	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
17	INVP 3883 Mobile Device for PTO, Me	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	90000153451	YES	G175	$1,743,812	4/1/2016	84	$747,348	$498,232	$622,790	7.9910%	21.83%	$ 8,204	$ 54,382	0.00%	$ -	$ -
18	IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software- INVP3136 NE Gas Leaks Rechecks	3136	90000124574	NO	G310	$1,326,238	3/1/2016	84	$552,599	$363,137	$457,868	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
19	INVP 4133 - LI Stabilization	INVP 4133 - LI Stabilization	4133	90000163306	NO	520G	$677,092	3/1/2016	84	$282,122	$185,394	$233,758	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
20	INVP3492 CI Services Foundation	INVP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	$2,570,472	2/1/2016	84	$1,040,429	$673,219	$856,824	7.9910%	17.76%	$ 9,207	$ 65,217	6.11%	$ 3,168	$ 22,437
21	INVP3600B US Web Initiatives 2	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	$4,153,761	2/1/2016	84	$1,681,284	$1,087,890	$1,384,587	7.9910%	21.83%	$ 18,288	$ 129,538	0.00%	$ -	$ -
22	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$2,078	2/1/2016	120	$1,212	$1,004	$1,108	7.9910%	17.76%	$ 12	$ 37	6.11%	$ 4	$ 13
23	INVP 3375D Challenge Limits Letters	INVP3375D- Challenge the Limits Letters	3375D	90000140579	YES	G113	$409,859	2/1/2016	84	$165,895	$107,344	$136,620	7.9910%	79.46%	$ 6,568	$ 46,525	0.00%	$ -	$ -
24	INVP2495H US CNI Frame Relay Replac	INVP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	$6,532,674	2/1/2016	84	$2,644,178	$1,710,939	$2,177,558	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
25	INVP 4074 - MA Gas 4 Hour Appt	INVP 4074 - MA Gas 4 Hour Appointment	4074	90000160455	NO	C310	$291,566	1/1/2016	84	$114,544	$72,892	$93,718	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
26	INVP 3237 Street Light Outage Impro	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	$324,546	1/1/2016	84	$127,000	$81,137	$104,318	7.9910%	41.93%	$ 3,338	$ 19,440	0.00%	$ -	$ -
27	INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade	4323	90000173825	YES	G020	$2,868,015	11/1/2016	84	$1,468,150	$1,058,434	$1,263,292	7.9910%	17.76%	$ 13,443	$ 72,796	6.11%	$ 4,625	$ 25,034
28	INVP 1172 - AMAG Upgrades	Access Control & Alarm Monitoring System	1172	90000112731	YES	G020	$6,129,079	11/1/2016	84	$3,137,505	$2,261,922	$2,699,713	7.9910%	17.76%	$ 28,727	$ 155,503	6.11%	$ 9,883	$ 53,498
29	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$1,747,846	11/1/2016	84	$894,731	$645,039	$769,885	7.9910%	17.76%	$ 8,892	$ 44,345	6.11%	$ 2,818	$ 15,256
30	INVP 4266 - End User Device Refresh	INVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	$294,858	11/1/2016	84	$150,939	$108,817	$129,878	7.9910%	17.76%	$ 1,382	$ 7,481	6.11%	$ 475	$ 2,574
31	EHR 1 - Payroll	EHR 1 - Payroll	USFP	90000148062	YES	G012	$6,240,543	12/1/2015	84	$2,377,350	$1,485,844	$1,931,397	7.9910%	17.76%	$ 20,820	$ 158,331	6.11%	$ 7,163	$ 54,471
32	EHR 1 - Finance	EHR 1 - Finance	USFP	90000148060	YES	G012	$10,024,521	12/1/2015	84	$3,818,865	$2,386,791	$3,102,828	7.9910%	17.76%	$ 33,445	$ 254,336	6.11%	$ 11,506	$ 87,500
33	EHR 1 - Supply Chain	EHR 1 - Supply Chain	USFP	90000148059	YES	G012	$18,657,154	12/1/2015	84	$7,107,487	$4,442,179	$5,774,833	7.9910%	17.76%	$ 62,246	$ 473,359	6.11%	$ 21,415	$ 162,850
34	EHR 1 - IT Delivery	EHR 1 - IT Delivery	USFP	90000148061	YES	G012	$2,568,884	12/1/2015	120	$1,455,701	$1,198,813	$1,327,257	7.9910%	17.76%	$ 14,059	$ 45,623	6.11%	$ 4,837	$ 15,696
35	EHR 1 - PMO	EHR 1 - PMO	USFP	90000148055	YES	G012	$8,346,172	12/1/2015	84	$3,179,494	$1,987,184	$2,583,339	7.9910%	17.76%	$ 27,846	$ 211,754	6.11%	$ 9,580	$ 72,850
36	EHR 1 - BPS	EHR 1 - BPS	USFP	90000148063	YES	G012	$14,956,768	12/1/2015	84	$5,697,816	$3,561,135	$4,629,476	7.9910%	17.76%	$ 49,901	$ 379,475	6.11%	$ 17,167	$ 130,551
37	DMS OMS Replacement	NONE	N/A	90000098917	YES	G198	$65,683,888	12/1/2015	84	$25,022,484	$15,639,021	$20,330,727	7.9910%	41.93%	$ 517,379	$ 3,934,465	0.00%	$ -	$ -
38	INVP 3375B Challenge the Limits XML	INVP3375B- Challenge the Limits XML	3375B	90000140573	YES	G179	$616,276	12/1/2015	84	$234,772	$150,752	$190,762	7.9910%	35.18%	$ 4,073	$ 30,972	0.00%	$ -	$ -
39	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$12,524,547	10/1/2015	120	$6,888,501	$5,636,046	$6,262,274	7.9910%	17.76%	$ 66,393	$ 222,436	6.11%	$ 22,841	$ 76,525
40	INVP2960C - GridForce SaaS Ph2	INVP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	G210	$0	9/1/2015	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
41	INVP2940-GRC Enterprise Risk & Comp	Capitalized Software	2940	90000109629	YES	G012	$3,552,013	8/1/2015	84	$1,184,004	$676,574	$930,289	7.9910%	17.76%	$ 10,106	$ 90,120	6.11%	$ 3,477	$ 31,004
42	INVP2892B Security Access Panels	INVP2892B Security Access Panels NERC CIP Compliance	2892B	90000142290	YES	G432	$686,428	8/1/2015	84	$228,809	$130,748	$179,779	7.9910%	0.00%	$ -	$ -	35.13%	$ 3,863	$ 34,449
43	IN 1043 NE EMS Replacement	Replacement for WO 90000097247 to properly book the WO under the correct Intangible CWIP and asset G/L accounts.	1043	90000157429	NO	U273	$29,309,502	7/1/2015	84	$9,420,911	$5,233,840	$7,327,375	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
44	INVP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm	2970	90000133045	YES	G020	$1,752,601	4/1/2015	84	$500,743	$250,372	$375,557	7.9910%	17.76%	$ 4,126	$ 44,466	6.11%	$ 1,419	$ 15,298
45	IN 3124B GLOBAL HR STRATEGY	IN 3124B GLOBAL HR STRATEGY	3124B	90000119765	YES	G020	$1,752,217	4/1/2015	84	$500,634	$250,317	$375,475	7.9910%	17.76%	$ 4,125	$ 44,456	6.11%	$ 1,419	$ 15,294
46	INVP3615 Success Enterprise Reporti	Capitalized Software INVP 3615 Success Enterprise Mgmt	3615	90000134377	YES	G186	$623,254	3/1/2015	84	$170,653	$81,617	$126,135	7.9910%	30.74%	$ 2,407	$ 27,370	10.99%	$ 861	$ 9,785
47	USFP-Testing-R1	NONE	USFP	90000107542	YES	G012	$0	3/1/2015	120	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
48	INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	$647,273	3/1/2015	84	$177,230	$84,762	$130,996	7.9910%	17.76%	$ 1,444	$ 16,422	6.11%	$ 497	$ 5,650
49	INVP 1549B Meter Reading System Con	Capitalized Software- INVP 1549B Meter Reading	1549B	90000123707	YES	G175	$1,174,502	3/1/2015	84	$321,590	$153,804	$237,697	7.9910%	21.83%	$ 3,221	$ 36,628	0.00%	$ -	$ -
50	INVP3022 Internet Toolset	INVP3022 Internet Toolset	3022	90000138893	YES	G175	$0	3/1/2015	84	$0	$0	$0	7.9910%	21.83%	$ -	$ -	0.00%	$ -	$ -
51	INVP 3378 Rubber Goods Testing	INVP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	$396,375	3/1/2015	84	$108,531	$51,506	$80,219	7.9910%	30.74%	$ 1,531	$ 17,407	10.99%	$ 547	$ 6,223
52	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	$782,169	3/1/2015	84	$214,165	$102,427	$158,296	7.9910%	17.76%	$ 1,745	$ 19,845	6.11%	$ 600	$ 6,827
53	INVP0823c Laptop & Port Device Info	INVP0823c Laptop & Port Device Info	0823c	90000105318	YES	G012	$2,543,084	3/1/2015	84	$696,321	$333,023	$514,672	7.9910%	17.76%	$ 5,674	$ 64,522	6.11%	$ 1,952	$ 22,197
54	INVP823D Guardium	INVP823D Guardium	823D	90000141134	YES	G012	$0	3/1/2015	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
55	INVP2960C GridForce SaaS Phase 2	INVP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	$3,254,217	3/1/2015	84	$891,086	$426,148	$658,392	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
56	INVP 3600 - US Web Initiatives	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	$1,380,415	3/1/2015	84	$377,971	$180,769	$279,370	7.9910%	23.28%	$ 4,037	$ 45,907	0.00%	$ -	$ -
57	INVP 3039 US eDiscovery	Capitalized Software- INVP 3039 EDiscovery	3039	90000118116	YES	G012	$393,008	3/1/2015	84	$107,609	$51,465	$79,537	7.9910%	17.76%	$ 877	$ 9,971	6.11%	$ 302	$ 3,430
58	INVP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	G012	$244,374	3/1/2015	84	$66,912	$32,001	$49,457	7.9910%	17.76%	$ 545	$ 6,200	6.11%	$ 188	$ 2,133
59	INVP 2982b Identity & Access Mgt Pr	INVP 2982b Identity & Access Mgt Pr	2982b	90000113826	YES	G012	$3,576,972	3/1/2015	84	$979,409	$468,413	$723,911	7.9910%	17.76%	$ 7,981	$ 90,753	6.11%	$ 2,746	$ 31,222
60	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$1	2/1/2015	84	$0	$0	$0	7.9910%	17.76%	$ 0	$ 0	6.11%	$ 0	$ 0
61	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$7,489,757	2/1/2015	120	$3,620,049	$2,871,074	$3,245,561	7.9910%	17.76%	$ 46,061	$ 133,018	6.11%	$ 15,846	$ 45,762
62	USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery	USFP	90000142344	YES	G012	$9,575,835	1/1/2015	120	$4,548,522	$3,590,938	$4,069,730	7.9910%	17.76%	$ 43,354	$ 170,067	6.11%	$ 14,915	$ 58,508
63	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000143410	YES	G012	$9,814,175	1/1/2015	120	$4,661,733	$3,680,315	$4,171,024	7.9910%	17.76%	$ 44,433	$ 174,300	6.11%	$ 15,286	$ 59,965
64	INVP 2577 GIS Consol Ph 2	INVP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	$2,882,206	1/1/2015	84	$720,552	$308,808	$514,680	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
65	INVP 2983a CNI Network Security Pro	Capitalized Software	2983a	90000113827	YES	G012	$115,489	12/1/2014	84	$27,497	$10,999	$19,248	7.9910%	17.76%	$ 215	$ 2,930	6.11%	$ 74	$ 1,008
66	Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	NO	G284	$186,308	10/1/2014	84	$39,923	$13,308	$26,615	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
67	New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	N/A	90000100084	NO	G284	$88,951	10/1/2014	84	$19,061	$6,354	$12,707	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
68	INVP 1643B - NY Commodity Rates	INVP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	$18,216	10/1/2014	84	$3,903	$1,301	$2,602	7.9910%	79.46%	$ 132	$ 2,068	0.00%	$ -	$ -
69	IN 1642--Radio Standardization Cons	IN 1642--Radio Standardization Cons Capitalized Software	1642	90000099327	YES	G012	$130,644	10/1/2014	84	$27,595	$9,332	$18,663	7.9910%	17.76%	$ 211	$ 3,315	6.11%	$ 73	$ 1,140
70	IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	NO	C225	$66,932	8/1/2014	84	$12,749	$3,187	$7,968	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
71	INVP 2162 - PRIMAVERA EXPANSION	INVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376	$228,928	7/1/2014	84	$40,890	$8,176	$24,528	7.9910%	0.00%	$ -	$ -	8.15%	$ 131	$ 2,665
72	INVP1485 Computapole Migration W7	INVP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	$874,103	7/1/2014	84	$156,090	$31,218	$93,654	7.9910%	30.74%	$ 1,889	$ 38,386	10.99%	$ 675	$ 13,723
73	1642 - Radio Standardization Cons	IN 1642--Radio Standardization Cons - Capitalized Software	1642	90000099326	YES	G012	$3,046,691	7/1/2014	84	$544,052	$108,810	$326,431	7.9910%	17.76%	$ 3,805	$ 77,299	6.11%	$ 1,309	$ 26,593
74	INVP2997B EVM Phase 2	INVP2997B Earned Value Management Phase 2 - Capitalized Software	2997B	90000134297	YES	G186	$138,248	7/1/2014	84	$24,687	$4,937	$14,812	7.9910%	30.74%	$ 299	$ 6,071	10.99%	$ 107	$ 2,170
75	IN 1182 GAS TRANSPORT SYS (GTIS)	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	$1,780,960	7/1/2014	84	$318,029	$63,606	$190,817	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 22 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
76	INVP 2997 Earned Value Mgmt Rptg	INVP 2997 Earned Value Mgmt Rptg - Capitalized Software	2997	90000120197	YES	G186	$603,575	7/1/2014	84	$107,781	$21,556	$64,669	7.9910%	30.74%	$ 1,305	$ 26,506	10.99%	$ 466	$ 9,476
77	INVP3374 SmallWorld GIS FY13 R 1-2	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	90000120127	YES	G198	$309,785	7/1/2014	84	$55,319	$11,064	$33,191	7.9910%	41.93%	$ 91.3	$ 18,556	0.00%	$ -	$ -
78	IN N/A NE & NY EMS NERC-CIP Auth MW	IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	$64,286	3/1/2014	84	$8,418	$0	$4,209	7.9910%	0.00%	$ -	$ -	48.12%	$ 143	$ 4,051
79	INVP 0887	Capitalized Software	887	90000104061	YES	G077	$258,131	3/1/2014	84	$33,803	$0	$16,901	7.9910%	27.98%	$ 333	$ 9,458	9.98%	$ 119	$ 3,374
80	INVP 1242 - WCOR01	INVP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198	$3,750	3/1/2014	84	$491	$0	$246	7.9910%	41.93%	$ 7	$ 206	0.00%	$ -	$ -
81	Meter Route Consol	INVP 1182B Gas Transportation System Meter Route Consol	1182B	90000124368	NO	G227	$410,384	3/1/2014	84	$53,741	$0	$26,870	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
82	INVP N/A- NE EMS TSS	INVP N/A NE EMS TSS Capitalized Software	N/A	90000104068	NO	G272	$255,055	3/1/2014	84	$33,400	$0	$16,700	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
83	IN1182BGAS TRANS SYS PHASE 2(GTIS)	Capitalized Software- IN1182BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237	$1,675,640	3/1/2014	84	$219,429	$0	$109,715	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
84	GAS Transformation	GAS Transformation	N/A	90000096586	YES	G012	$114,360	3/1/2014	84	$14,976	$0	$7,488	7.9910%	17.76%	$ 94	$ 2,660	6.11%	$ 32	$ 915
85	INVP 2981 US Security Awareness	INVP 2981 US Security Awareness Cap Software	2981	90000117533	YES	G012	$250,393	3/1/2014	84	$32,790	$0	$16,395	7.9910%	17.76%	$ 205	$ 5,823	6.11%	$ 71	$ 2,003
86	INVP 3393 Enhancement of Reservior W	INVP 3393 Enhancement of Reservior Woods Capitalized Software	3393	90000122634	YES	J063	$101,136	2/1/2014	84	$12,040	$0	$6,020	7.9910%	9.74%	$ 42	$ 1,173	3.88%	$ 17	$ 467
87	Inspect System Resources/Hard/Softw	Capitalized Software	N/A	90000104057	YES	G160	$26,246	2/1/2014	84	$3,125	$0	$1,562	7.9910%	27.24%	$ 30	$ 851	9.63%	$ 11	$ 301
88	INVP 3294 - PowerPlant Leased Asset	Capitalized Software	3294	90000117978	YES	G012	$969,208	2/1/2014	84	$115,382	$0	$57,691	7.9910%	17.76%	$ 734	$ 20,492	6.11%	$ 253	$ 7,050
89	STD01-Concept Est Tool	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104104	YES	G198	$873,898	2/1/2014	84	$104,035	$0	$52,018	7.9910%	41.93%	$ 1,563	$ 43,622	0.00%	$ -	$ -
90	CM-NEW02-Simp Order Proc	Capitalized Software	NEW02	90000104149	YES	G198	$7,803	2/1/2014	84	$929	$0	$464	7.9910%	41.93%	$ 14	$ 389	0.00%	$ -	$ -
91	INVP 3103 Business Capture Software	INVP 3103 IRISEC Capitalized Software	3103	90000106874	YES	G012	$3,036,545	2/1/2014	84	$361,493	$0	$180,747	7.9910%	17.76%	$ 2,301	$ 64,201	6.11%	$ 791	$ 22,087
92	WCLS13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198	$20,566	2/1/2014	84	$2,448	$0	$1,224	7.9910%	41.93%	$ 37	$ 1,027	0.00%	$ -	$ -
93	INVP 3195 Storms Archive Tool Imple	INVP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160	$627,573	12/1/2013	84	$59,769	$0	$29,884	7.9910%	27.24%	$ 61.1	$ 16,281	9.63%	$ 216	$ 5,756
94	INVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	90000107276	YES	G012	$1,023,605	11/1/2013	84	$85,300	$0	$42,650	7.9910%	17.76%	$ 587	$ 15,149	6.11%	$ 202	$ 5,212
95	INVP 3232A - Tallyman & Paperless B	Capitalized Software	3232A	90000116954	YES	G179	$953,115	11/1/2013	84	$79,426	$0	$39,713	7.9910%	35.18%	$ 1,083	$ 27,942	0.00%	$ -	$ -
96	INVP 1643C - NIMO EL TOU + Deposits	Capitalized Software	1643C	90000116000	YES	G179	$606,020	11/1/2013	84	$50,502	$0	$25,251	7.9910%	35.18%	$ -	$ 17,766	0.00%	$ -	$ -
97	INVP 3307 iFactor Storm Center Host	Capitalized Software	3307	90000119141	YES	G012	$668,684	11/1/2013	84	$55,724	$0	$27,862	7.9910%	17.76%	$ 383	$ 9,897	6.11%	$ 132	$ 3,405
98	INVP1549-Non-Interval Collect Sys C	Capitalized Software	1549	90000107743	YES	G012	$1,099,783	11/1/2013	84	$91,649	$0	$45,824	7.9910%	17.76%	$ 631	$ 16,277	6.11%	$ 217	$ 5,600
99	INVP 1356A US Retail Web Customer &	INVP 1356A US Retail Web Customer & Markets	1356A	90000100058	YES	G179	$6,726,634	11/1/2013	84	$560,553	$0	$280,276	7.9910%	35.18%	$ 7,641	$ 197,202	0.00%	$ -	$ -
100	INVP 2732 US Storage Switch Replace	Capitalized Software	2732	90000104631	YES	G012	$588,353	11/1/2013	84	$49,029	$0	$24,515	7.9910%	17.76%	$ 337	$ 8,708	6.11%	$ 116	$ 2,996
101	EDOT-Customer Management-CM-NEW03	Capitalized Software	NEW03	90000093776	YES	G198	$208,231	11/1/2013	84	$17,353	$0	$8,676	7.9910%	41.93%	$ 282	$ 7,276	0.00%	$ -	$ -
102	INVP 1389 US Computing Mirror Works	Capitalized Software	1389	90000104657	YES	G012	$267,594	11/1/2013	84	$22,299	$0	$11,150	7.9910%	17.76%	$ 153	$ 3,960	6.11%	$ 53	$ 1,362
103	INVP 2832 - ACIS Alliance Contracts	Capitalized Software	2832	90000112827	YES	G186	$324,412	11/1/2013	84	$27,034	$0	$13,517	7.9910%	30.74%	$ 322	$ 8,310	10.99%	$ 115	$ 2,971
104	IN 2172-IDS Reporting & Analysis	Capitalized Software	2172	90000106487	YES	G198	$710,520	11/1/2013	84	$59,210	$0	$29,605	7.9910%	41.93%	$ 962	$ 24,827	0.00%	$ -	$ -
105	Global Web Implementation	Capitalized Software	N/A	90000095326	YES	G012	$4,281,380	11/1/2013	84	$356,782	$0	$178,391	7.9910%	17.76%	$ 2,455	$ 63,364	6.11%	$ 845	$ 21,799
106	INVP 3076-QAS Address Hygiene	Capitalized Software	3076	90000109487	YES	G012	$270,279	11/1/2013	84	$22,523	$0	$11,262	7.9910%	17.76%	$ 155	$ 4,000	6.11%	$ 53	$ 1,376
107	INVP 3210 - Infographics Conversion	Capitalized Software	3210	90000116674	NO	G259	$1,327,228	11/1/2013	84	$110,602	$0	$55,301	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
108	INVP2135-Cost Choice Email Tracking	Capitalized Software	2135	90000113005	YES	G012	$621,113	11/1/2013	84	$51,759	$0	$25,880	7.9910%	17.76%	$ 356	$ 9,192	6.11%	$ 123	$ 3,162
109	IN 2522 VTL REPLACEMENT US	INVP2522 VTL Replacement Cap Software	2522	90000104630	YES	H171	$648,194	11/1/2013	84	$54,016	$0	$27,008	7.9910%	16.66%	$ 349	$ 8,999	0.00%	$ -	$ -
110	IN2960B CRM SAAS IMPLEMEN	Software-INVP 2960B CRM Salesforce SaaS	2960B	90000119937	YES	G175	$1,117,121	10/1/2013	84	$79,794	$0	$39,897	7.9910%	21.83%	$ 703	$ 17,419	0.00%	$ -	$ -
111	INVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	90000118115	YES	G012	$326,615	10/1/2013	84	$23,330	$0	$11,665	7.9910%	17.76%	$ 167	$ 4,143	6.11%	$ 58	$ 1,425
112	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	($2,545,646)	4/1/2013	120	$0	$0	$0	7.9910%	17.76%	$ 14,805	$ -	6.11%	$ 5,093	$ -
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	($284,633)	4/1/2013	120	$0	$0	$0	7.9910%	17.76%	$ 1,655	$ -	6.11%	$ 570	$ -
114	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	($2,195,181)	4/1/2013	120	$0	$0	$0	7.9910%	17.76%	$ 12,767	$ -	6.11%	$ 4,392	$ -
115	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$2,195,181	11/1/2012	120	$567,089	$347,570	$457,329	7.9910%	17.76%	$ 5,033	$ 38,986	6.11%	$ 1,731	$ 13,413
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$284,633	11/1/2012	120	$73,530	$45,057	$59,299	7.9910%	17.76%	$ 63	$ 5,055	6.11%	$ 224	$ 1,739
117	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$2,545,646	11/1/2012	120	$657,625	$403,061	$530,343	7.9910%	17.76%	$ 5,836	$ 45,211	6.11%	$ 2,008	$ 15,554
118	USFP-PMO - R1	Capitalized Software-USFP-PMO - R1	USFP	90000107539	YES	G012	$13,294,040	11/1/2012	120	$3,434,294	$2,104,890	$2,769,592	7.9910%	17.76%	$ 30,477	$ 236,102	6.11%	$ 10,485	$ 81,227
119	USFP-Process & Design -R1	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	$7,564,718	11/1/2012	120	$1,954,219	$1,197,747	$1,575,983	7.9910%	17.76%	$ 17,343	$ 134,349	6.11%	$ 5,966	$ 46,220
120	USFP - Hardware & Software-DD	USFP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012	$2,770,640	11/1/2012	120	$715,749	$438,685	$577,217	7.9910%	17.76%	$ 6,352	$ 49,207	6.11%	$ 2,185	$ 16,929
121	USFP - Solution Architecture-DD	USFP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012	$2,908,470	11/1/2012	120	$751,355	$460,508	$605,931	7.9910%	17.76%	$ 6,668	$ 51,654	6.11%	$ 2,294	$ 17,771
122	USFP - PMO-DD	USFP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012	$4,761,712	11/1/2012	120	$1,230,109	$753,938	$992,023	7.9910%	17.76%	$ 10,917	$ 84,568	6.11%	$ 3,756	$ 29,094
123	USFP-Business Engagement -R1	Capitalized Software-USFP-Business Engagement -R1	USFP	90000107549	YES	G012	$154,570	11/1/2012	120	$39,931	$24,474	$32,202	7.9910%	17.76%	$ 354	$ 2,745	6.11%	$ 122	$ 944
124	HR STREAM - DESIGN CAPEX	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	$826,202	11/1/2012	120	$213,436	$130,815	$172,125	7.9910%	17.76%	$ 1,894	$ 14,673	6.11%	$ 652	$ 5,048
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012	$1,708,792	11/1/2012	120	$441,438	$270,559	$355,998	7.9910%	17.76%	$ 3,918	$ 30,348	6.11%	$ 1,348	$ 10,441
126	USFP - Testing-DD	USFP - Testing-DD - Capitalized Software	USFP	90000104648	YES	G012	$209,496	11/1/2012	120	$54,120	$33,170	$43,645	7.9910%	17.76%	$ 480	$ 3,721	6.11%	$ 165	$ 1,280
127	USFP Test Net Strat	Capitalized Software- USFP Test Net Strat	USFP	90000117362	YES	G012	$1,305,452	11/1/2012	120	$337,242	$206,697	$271,969	7.9910%	17.76%	$ 2,993	$ 23,185	6.11%	$ 1,030	$ 7,976
128	USFP Test Ops	Capitalized Software- USFP Test Ops	USFP	90000117358	YES	G012	$4,359,638	11/1/2012	120	$1,126,240	$690,276	$908,258	7.9910%	17.76%	$ 9,995	$ 77,427	6.11%	$ 3,439	$ 26,637
129	USFP-Cutover -R1	Capitalized Software- USFP-Cutover -R1	USFP	90000107547	YES	G012	$2,728,737	11/1/2012	120	$704,924	$432,050	$568,487	7.9910%	17.76%	$ 6,256	$ 48,462	6.11%	$ 2,152	$ 16,673
130	USFP-Reporting & Info - R1	Capitalized Software-USFP-Reporting & Info - R1	USFP	90000107544	YES	G012	$6,197,728	11/1/2012	120	$1,601,090	$981,307	$1,291,193	7.9910%	17.76%	$ 14,209	$ 110,072	6.11%	$ 4,888	$ 37,868
131	US Pre-BLUEPRINTS STRATEGY PLAN	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	$6,530,003	11/1/2012	120	$1,686,917	$1,033,917	$1,360,417	7.9910%	17.76%	$ 14,970	$ 115,973	6.11%	$ 5,150	$ 39,898
132	USFP-Hardware & Software-R1	Capitalized Software- USFP-Hardware & Software-R1	USFP	90000107551	YES	G012	$23,426,143	11/1/2012	120	$6,051,754	$3,709,139	$4,880,447	7.9910%	17.76%	$ 53,706	$ 416,048	6.11%	$ 18,477	$ 143,134
133	USFP Test Finance	USFP Test Finance Capitalized Software	USFP	90000117364	YES	G012	$3,910,865	11/1/2012	120	$1,010,307	$619,220	$814,764	7.9910%	17.76%	$ 8,966	$ 69,457	6.11%	$ 3,085	$ 23,895
134	USFP - Process & Design-DD	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	YES	G012	$17,463,817	11/1/2012	120	$4,511,486	$2,765,104	$3,638,295	7.9910%	17.76%	$ 40,037	$ 310,157	6.11%	$ 13,774	$ 106,704
135	SCHAIN STREAM - DESIGN CAPEX	SCHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	$1,038,127	11/1/2012	120	$268,183	$164,370	$216,276	7.9910%	17.76%	$ 2,380	$ 18,437	6.11%	$ 819	$ 6,343
136	US FOUNDATION PRGM ARCH/DECOM	Capitalized Software- US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012	$1,242,446	11/1/2012	120	$320,965	$196,721	$258,843	7.9910%	17.76%	$ 2,848	$ 22,066	6.11%	$ 980	$ 7,591
137	USFP-Solution Architecture-R1	Capitalized Software- USFP-Solution Architecture-R1	USFP	90000107550	YES	G012	$2,536,861	11/1/2012	120	$655,356	$401,670	$528,513	7.9910%	17.76%	$ 5,816	$ 45,055	6.11%	$ 2,001	$ 15,500
138	USFP - Data Strategy-DD	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012	$2,531,924	11/1/2012	120	$654,080	$400,888	$527,484	7.9910%	17.76%	$ 5,805	$ 44,967	6.11%	$ 1,997	$ 15,470
139	PROCESS CONTROL - DESIGN CAPEX	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	$138,806	11/1/2012	120	$35,858	$21,978	$28,918	7.9910%	17.76%	$ 318	$ 2,465	6.11%	$ 109	$ 848
140	INFORMATION MGMT - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	YES	G012	$346,941	11/1/2012	120	$89,626	$54,932	$72,279	7.9910%	17.76%	$ 795	$ 6,162	6.11%	$ 274	$ 2,120
141	PROCESS & DATA - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012	$271,405	11/1/2012	120	$70,113	$42,973	$56,543	7.9910%	17.76%	$ 622	$ 4,820	6.11%	$ 214	$ 1,658
142	USFP-Build & Unit Test -R1	Capitalized Software-USFP-Build & Unit Test -R1	USFP	90000107541	YES	G012	$26,765,794	11/1/2012	120	$6,914,497	$4,237,917	$5,576,207	7.9910%	17.76%	$ 61,362	$ 475,361	6.11%	$ 21,111	$ 163,539
143	USFP-Business Readiness -R1	Capitalized Software- USFP-Business Readiness -R1	USFP	90000107548	YES	G012	$2,020,438	11/1/2012	120	$521,947	$319,903	$420,925	7.9910%	17.76%	$ 4,632	$ 35,883	6.11%	$ 1,594	$ 12,345
144	USFP-Data Strategy - R1	Capitalized Software- USFP-Data Strategy - R1	USFP	90000107543	YES	G012	$7,738,324	11/1/2012	120	$1,999,067	$1,225,235	$1,612,151	7.9910%	17.76%	$ 17,741	$ 137,433	6.11%	$ 6,103	$ 47,281
145	USFP Test SS	Capitalized Software-USFP Test SS	USFP	90000117367	YES	G012	$46,113,703	11/1/2012	120	$11,912,707	$7,301,136	$9,607,022	7.9910%	17.76%	$ 105,719	$ 818,979	6.11%	$ 36,371	$ 281,755
146	USFP-Testing -R1	Capitalized Software- USFP-Testing -R1	USFP	90000107542	YES	G012	$61,366,885	11/1/2012	120	$15,853,112	$9,716,423	$12,784,768	7.9910%	17.76%	$ 140,688	$ 1,089,876	6.11%	$ 48,401	$ 374,952
147	USFP-Tech Delivery - R1	Capitalized Software- USFP-Tech Delivery - R1	USFP	90000107545	YES	G012	$4,595,067	11/1/2012	120	$1,187,059	$727,352	$957,306	7.9910%	17.76%	$ 10,534	$ 81,608	6.11%	$ 3,624	$ 28,076
148	USFP - Reporting & Info-DD	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104650	YES	G012	$2,503,961	11/1/2012	120	$646,857	$396,460	$521,659	7.9910%	17.76%	$ 5,740	$ 44,470	6.11%	$ 1,975	$ 15,299
149	SOLUTION DEL - DESIGN CAPEX	SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000097840	YES	G012	$906,402	11/1/2012	120	$234,154	$143,514	$188,834	7.9910%	17.76%	$ 2,078	$ 16,098	6.11%	$ 715	$ 5,538
150	SOLUTION ARCH - DESIGN CAPEX	SOLUTION ARCH - DESIGN CAPEX - Capitalized Software	USFP	90000097839	YES	G012	$199,928	11/1/2012	120	$51,648	$31,655	$41,652	7.9910%	17.76%	$ 458	$ 3,551	6.11%	$ 158	$ 1,222

Case 17-E-0238
Appendix 5
Schedule 19
Page 23 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210E NMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
151	FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	9000097838	YES	G012	$1,441,354	11/1/2012	120	$372,350	$228,214	$300,282	7.9910%	17.76%	$ 3,304	$ 25,598	6.11%	$ 1,137	$ 8,807
152	USFP - Controls & Roles-DD	USFP - Controls & Roles-DD - Capitalized Software	USFP	9000104652	YES	G012	$2,694,151	11/1/2012	120	$695,989	$426,574	$561,281	7.9910%	17.76%	$ 6,177	$ 47,848	6.11%	$ 2,125	$ 16,461
153	USFP - Build & Unit Test-DD	USFP - Build & Unit Test-DD - Capitalized Software	USFP	9000104647	YES	G012	$2,783,413	11/1/2012	120	$719,048	$440,707	$579,878	7.9910%	17.76%	$ 6,381	$ 49,433	6.11%	$ 2,195	$ 17,007
154	USFP-Controls & Roles -R1	Capitalized Software- USFP-Controls & Roles -R1	USFP	9000107546	YES	G012	$7,773,544	11/1/2012	120	$2,008,865	$1,230,811	$1,619,488	7.9910%	17.76%	$ 17,821	$ 138,058	6.11%	$ 6,131	$ 47,496
155	USFP Test Procure	USFP Test Procure Capitalized Software	USFP	9000117369	YES	G012	$311,956	11/1/2012	120	$80,589	$49,393	$64,991	7.9910%	17.76%	$ 715	$ 5,540	6.11%	$ 246	$ 1,906
156	USFP Test HR	USFP Test HR Capitalized Software	USFP	9000117366	YES	G012	$9,899	11/1/2012	120	$2,557	$1,567	$2,062	7.9910%	17.76%	$ 23	$ 176	6.11%	$ 8	$ 60
157	USFP - Cutover-DD	USFP - Cutover-DD - Capitalized Software	USFP	9000104653	YES	G012	$118,108	11/1/2012	120	$30,511	$18,700	$24,606	7.9910%	17.76%	$ 271	$ 2,098	6.11%	$ 93	$ 722
158	DESIGN AUTH - DESIGN CAPEX	DESIGN AUTH - DESIGN CAPEX - Capitalized Software	USFP	9000097842	YES	G012	$318,531	11/1/2012	120	$82,287	$50,434	$66,361	7.9910%	17.76%	$ 730	$ 5,657	6.11%	$ 251	$ 1,946
159	PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software	USFP	9000097837	YES	G012	$5,995,338	11/1/2012	120	$1,548,796	$949,262	$1,249,029	7.9910%	17.76%	$ 13,745	$ 106,477	6.11%	$ 4,729	$ 36,632
160	TXFER00099	FDC Enhancement (work order #8K008002109)	N/A	1TXFER00099	NO	C310	$2,245,499	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
161	IN 2330 ETRM Repl Nucleus-Elec Bene	Cap Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	9000106247	YES	G198	$579,164	10/1/2012	84	$0	$0	$0	7.9910%	41.93%	$ 196	$ -	0.00%	$ -	$ -
162	IN 2330 ETRM Repl Nucleus-Gas Benef	IN 2330 ETRM Repl Nucleus-Gas Benef	2330	9000106246	YES	G210	$6,005,256	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
163	TXFER00099	IN 2992 MA GAS SINGLE BILL.(Work order #8K008002315)	2992	1TXFER00099	NO	C310	$754,588	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
164	TXFER00099	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	2652	1TXFER00099	NO	C310	$427,462	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
165	IN1488-Remote Access to Fault REC	Capitalized Software	1488	9000104410	YES	G220	$247,958	9/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	48.12%	$ 97	$ -
166	KPI Reporting Tool	KPI Reporting Tool	N/A	9000103772	YES	G012	$1,184,110	8/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 170	$ -	6.11%	$ 59	$ -
167	IN1656-CUST.Systems Agent desktop	IN1656-CUST.Systems Agent desktop	1656	9000104412	NO	C225	$10,436,678	8/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
168	IN1671-US Transaction DEL HUB	IN1671-US Transaction DEL HUB	1671	9000104414	YES	G012	$526,002	8/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 76	$ -	6.11%	$ 26	$ -
169	TXFER00099 (GTIS)	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	1TXFER00099	NO	C225	$3,866,615	6/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
170	IN 1482--ACS Target Pricing Model	Capitalized Software	1482	9000099166	YES	G198	$569,716	6/1/2012	84	$0	$0	$0	7.9910%	41.93%	$ 193	$ -	0.00%	$ -	$ -
171	INVP 0953 - Bill Pool 231	Smallworld GIS PowerOn 4.0 upgrade	953	9000104088	YES	G198	$4,345,552	6/1/2012	84	$0	$0	$0	7.9910%	41.93%	$ 1,474	$ -	0.00%	$ -	$ -
172	Desktop (email, AD & SharePoint)	Desktop (email, AD & SharePoint)	N/A	9000096388	YES	G012	$1,258,446	3/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 181	$ -	6.11%	$ 62	$ -
173	TXFER00099	IN1259B Contact Ctr Consol (work order #8K008002213)	1259B	1TXFER00099	NO	C310	$718,478	3/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
174	Desktop (refresh)	Desktop (refresh)	N/A	9000096380	YES	G012	$950,271	3/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 137	$ -	6.11%	$ 47	$ -
175	Data Center Rationalization	Data Center Rationalization	N/A	9000096387	YES	G012	$793,491	3/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 114	$ -	6.11%	$ 39	$ -
176	CDH Acct Initiation	CDH Acct Initiation	N/A	9000096389	YES	G012	$516,140	3/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 74	$ -	6.11%	$ 26	$ -
177	IN 0980E - FiServ Solutions	IN 0980E - FiServ Solutions	0980E	9000098864	YES	G179	$453,167	3/1/2012	84	$0	$0	$0	7.9910%	35.18%	$ 129	$ -	0.00%	$ -	$ -
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	N/A	9000095332	YES	G012	$1,617,868	2/1/2012	84	$0	$0	$0	7.9910%	17.76%	$ 232	$ -	6.11%	$ 80	$ -
179	Cascade Phase II project 2 of 2	Cascade Phase II project 2 of 2	N/A	9000116202	YES	G220	$1,051,038	12/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	48.12%	$ -	$ -
180	Cascade Phase II project 1 of 2	Cascade Phase II project 1 of 2	N/A	9000116201	YES	G198	$1,576,557	12/1/2011	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
181	UHF Spectrum Purchase Project	UHF Spectrum Purchase Project	N/A	9000104189	NO	G284	$2,116,624	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
182	INVP 1242TB - KPI Metrics	INVP 1242TB - KPI Metrics	1242TB	9000104180	YES	G198	$622,592	10/1/2011	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
183	Video Conferencing	Video Conferencing	N/A	9000096376	YES	G012	$1,207,479	10/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
184	JBCRD01I-Wholesale Re-Des	JBCRD01I-Wholesale Re-Des	N/A	9000104416	YES	G198	$436,385	10/1/2011	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
185	INVP 1242 - DECUS05	INVP 1242 - DECUS05	1242	9000104179	YES	G198	$253,998	10/1/2011	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
186	INVP 1224	INVP 1224	1224	9000104101	YES	G220	$601,562	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	48.12%	$ -	$ -
187	DECUS05-Autom for Mng Req	DECUS05-Autom for Mng Req	DECUS05	9000104123	YES	G198	$1,914,655	10/1/2011	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
188	WCOR09 - AVLS Integration	WCOR09 - AVLS Integration	WCOR09	9000104151	YES	G198	$313,523	10/1/2011	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
189	INVP 1391	INVP 1391	1391	9000104068	YES	G077	$523,093	9/1/2011	84	$0	$0	$0	7.9910%	27.98%	$ -	$ -	9.98%	$ -	$ -
190	IN0823 Security Enhance Project	IN0823 Security Enhance Project	823	9000096383	YES	G012	$313,244	9/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
191	NY NE IVR Replacement(NIMO)	NY NE IVR Replacement(NIMO)	N/A	9000112170	YES	G750	$1,058,009	7/1/2011	84	$0	$0	$0	7.9910%	83.00%	$ -	$ -	0.00%	$ -	$ -
192	NE_NY IVR Replacement-Phase II(NIMO	NE_NY IVR Replacement-Phase II(NIMO	N/A	9000112171	YES	G750	$1,489,236	7/1/2011	84	$0	$0	$0	7.9910%	83.00%	$ -	$ -	0.00%	$ -	$ -
193	Combine Meter Reading Routes	Combine Meter Reading Routes	N/A	9000104231	NO	G285	$364,462	5/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
194	IN0309-SCM-ENGAGE VENDOR	IN0309-SCM-ENGAGE VENDOR	309	9000104115	YES	G012	$312,721	3/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
195	INVP N/A-Talent Management	INVP N/A-Talent Management	N/A	9000104109	YES	G012	$208,232	3/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
196	LIM/ZEMA Project	LIM/ZEMA Project	N/A	9000097857	YES	G012	$402,988	3/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
197	FFA (NIMO)	FFA (NIMO)	N/A	9000108449	YES	G750	$7,548,509	3/1/2011	29	$0	$0	$0	7.9910%	83.00%	$ -	$ -	0.00%	$ -	$ -
198	S&M Data Warehouse Expansion	S&M Data Warehouse Expansion	N/A	9000096374	YES	G012	$981,583	3/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
199	Plan & Perf for Exec & US Dir	Plan & Perf for Exec & US Dir	USFP	9000096375	YES	G012	$294,053	3/1/2011	84	$0	$0	$0	7.9910%	17.76%	$ -	$ -	6.11%	$ -	$ -
200	INVP2391-Implement UI Planner-CAPEX	INVP2391-Implement UI Planner-CAPEX	2391	9000096840	YES	G138	$1,686,410	3/1/2011	84	$0	$0	$0	7.9910%	18.29%	$ -	$ -	6.32%	$ -	$ -
201	Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	9000105793	NO	G272	$13,392	12/1/2010	4	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
202	GIS Project (Bankers Lease)	GIS Project (Bankers Lease)	N/A	9000103800	NO	G284	$44,404	12/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
203	ACIS Project (Banker's lease)	ACIS Project (Banker's lease)	N/A	9000106051	NO	G259	$154,535	12/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
204	ISP01-Integrated Strat Plan	ISP01-Integrated Strat Plan	ISP01	9000104122	YES	G198	$1,105,706	12/1/2010	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
205	SHORT04-Prima P6 Upgrade	SHORT04-Prima P6 Upgrade	SHORT04	9000104121	YES	G198	$1,443,524	12/1/2010	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
206	TGM (formerly Bankers Lease)	TGM (formerly Bankers Lease)	N/A	9000105795	YES	G220	$12,348	12/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -	48.12%	$ -	$ -
207	IN1242D-ISP-Integrated Strat Plan	Capitalized Software	1242D	9000096320	YES	G198	$360,244	12/1/2010	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
208	AIMMS Project - Bill Pool 233	AIMMS Project - Bill Pool 233	N/A	9000104238	YES	G220	$47,097	10/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	48.12%	$ -	$ -
209	Cascade Phase I project 2 of 2	Cascade Phase I project 2 of 2 Bill Pool 231	N/A	9000102451	YES	G198	$588,773	10/1/2010	84	$0	$0	$0	7.9910%	41.93%	$ -	$ -	0.00%	$ -	$ -
210	IVR Project Work	IVR Project Work	N/A	9000104059	NO	C284	$1,193,074	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
211	IN1588-21st Cent. FOR SYRACUSE/NB	IN1588-21st Cent. FOR SYRACUSE/NB	1588	9000104113	YES	G012	$273,401	9/1/2010	84	$0	$0	$0	7.9910%	17.76%	$ 39	$ -	6.11%	$ 14	$ -
212	INVP 1401	INVP 1401	1401	9000104080	YES	G012	$527,701	9/1/2010	84	$0	$0	$0	7.9910%	17.76%	$ 76	$ -	6.11%	$ 26	$ -
213	WO for Capital Chgs-FFA	WO for Capital Chgs-FFA	N/A	9000104186	NO	G284	$7,411,737	9/1/2010	29	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
214	Bnk Lease W MA F Optic Proj	Bnk Lease W MA F Optic Proj	N/A	9000104185	NO	G284	$435,545	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
215	AIMMS Project - Bill Pool 231	AIMMS Project - Bill Pool 231	N/A	9000104193	YES	G198	$231,345	9/1/2010	6	$0	$0	$0	7.9910%	41.93%	$ 78	$ -	0.00%	$ -	$ -
216	CIS Consolidation	CIS Consolidation	N/A	9000104055	NO	C284	$28,900,771	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
217	Web Initiatives FY09 - Phase 1	Web Initiatives FY09 - Phase 1	N/A	9000096373	YES	G012	$2,010,464	9/1/2010	84	$0	$0	$0	7.9910%	17.76%	$ 289	$ -	6.11%	$ 99	$ -
218	INVP 0845	INVP 0845	845	9000104060	YES	G012	$464,135	9/1/2010	84	$0	$0	$0	7.9910%	17.76%	$ 67	$ -	6.11%	$ 23	$ -
219	TXFER00099	GAS SCADA Upgrade/Modernize	N/A	1TXFER00099	NO	G239	$2,987,041	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
220	OMS-Capital -Bill Pool 232	OMS-Capital -Bill Pool 232	N/A	9000104188	NO	G284	$1,059,216	9/1/2010	35	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
221	INN/A-NERC CIP Compliance	INN/A-NERC CIP Compliance	N/A	9000096381	YES	G186	$1,155,595	7/1/2010	84	$0	$0	$0	7.9910%	30.74%	$ 287	$ -	10.99%	$ 103	$ -
222	Cascade Phase I project 1 of 2	Cascade Phase I project 1 of 2 Bill Pool 233	N/A	9000102450	YES	G220	$392,515	7/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	48.12%	$ 153	$ -
223	OneNet	OneNet	N/A	9000096379	YES	G012	$4,483,264	6/1/2010	84	$0	$0	$0	7.9910%	17.76%	$ 644	$ -	6.11%	$ 222	$ -
224	Contact Centers Call Recording	Contact Centers Call Recording	N/A	9000096385	YES	G012	$361,473	3/1/2010	84	$0	$0	$0	7.9910%	17.76%	$ 52	$ -	6.11%	$ 18	$ -
225	TXFER00099	BUS TRANS - WIRES & PIPES - CAPITAL	N/A	1TXFER00099	NO	G227	$178	3/1/2007	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
226	TXFER00099	HR BENEFITS	N/A	1TXFER00099	NO	N237	$5,405,642	7/1/1999	83.97	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
227	ITXFER00099	DATA WAREHOUSE	N/A	1TXFER00099	NO	G230	$2,328,852	7/1/1999	60	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
228	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	9000150615	YES	G012	$223,999	5/1/2016	84	$98,666	$66,666	$82,666	7.9910%	17.76%	$ 885	$ 5,683	6.11%	$ 304	$ 1,955
229	INVP3853 NMPC C-Care Conv to AMAG	INVP3614A21AM Pb3 Web Administration	3853	9000141742	YES	G020	$1,541,380	12/1/2016	84	$807,389	$587,192	$697,291	7.9910%	17.76%	$ 7,414	$ 39,107	6.11%	$ 2,551	$ 13,454
230	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	9000161831	YES	G207	$1	12/1/2016	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -

Case 17-E-0238
Appendix 5
Schedule 19
Page 24 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 4/1/2020 Balance	3/31/2021 3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210E NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	5210T NIMO T Allocation	NIMO T Rent-Return	NIMO T Rent - Depn
231	INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000170693	YES	G020	$93,939	12/1/2016	84	$49,206	$35,786	$42,496	7.9910%	17.76%	$ 452	$ 2,383	6.11%	$ 155	$ 820
232	INVP 3896 SMI Conversion Mobiliati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	90000153520	YES	G020	$3,095,820	12/1/2016	84	$1,621,620	$1,179,360	$1,400,490	7.9910%	17.76%	$ 14,890	$ 78,545	6.11%	$ 5,123	$ 27,022
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176043	YES	G012	$637,905	12/1/2016	120	$425,270	$361,480	$393,375	7.9910%	17.76%	$ 4,349	$ 11,329	6.11%	$ 1,427	$ 3,898
234	INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	90000176039	YES	G012	$2,749,134	12/1/2016	120	$1,832,756	$1,557,843	$1,695,299	7.9910%	17.76%	$ 17,882	$ 48,825	6.11%	$ 6,152	$ 16,797
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	90000172054	YES	G012	$1,858,401	12/1/2016	120	$1,238,934	$1,053,094	$1,146,014	7.9910%	17.76%	$ 12,088	$ 33,005	6.11%	$ 4,159	$ 11,355
236	INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File_Email Transfer (Full) (Cyber Security)	3614	90000170691	YES	G020	$68,180	12/1/2016	84	$35,713	$25,973	$30,843	7.9910%	17.76%	$ 328	$ 1,730	6.11%	$ 113	$ 595
237	INVP3614A1 IAM Ph2:Identity Adminis	INVP3614A1 IAM Ph2:Identity Administration (Cyber Security)	3614A	90000141707	YES	G020	$2,647,721	12/1/2016	84	$1,386,902	$1,008,656	$1,197,779	7.9910%	17.76%	$ 12,735	$ 67,176	6.11%	$ 4,381	$ 23,111
238	INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	90000178452	YES	G012	$803,788	12/1/2016	120	$535,859	$455,480	$495,669	7.9910%	17.76%	$ 5,228	$ 14,275	6.11%	$ 1,799	$ 4,911
239	INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP	90000176041	YES	G012	$723,292	12/1/2016	120	$482,195	$409,866	$446,030	7.9910%	17.76%	$ 4,705	$ 12,846	6.11%	$ 1,619	$ 4,419
240	INVP 4218 - Blanket Work Order	INVP 4218 - Blanket Work Order	USFP	90000178859	YES	G012	$2,393,826	12/1/2016	120	$1,595,894	$1,356,501	$1,476,193	7.9910%	17.76%	$ 15,570	$ 42,514	6.11%	$ 5,357	$ 14,626
241	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000163831	YES	G207	$1,480,189	12/1/2016	84	$775,337	$563,881	$669,609	7.9910%	0.00%	$ -	$ -	0.00%	$ -	$ -
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176046	YES	G012	$426,099	12/1/2016	120	$284,066	$241,456	$262,761	7.9910%	17.76%	$ 2,772	$ 7,568	6.11%	$ 953	$ 2,603
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176040	YES	G012	$1,250,841	12/1/2016	120	$833,894	$708,810	$771,352	7.9910%	17.76%	$ 8,136	$ 22,215	6.11%	$ 2,799	$ 7,643
244	INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	90000170290	YES	G020	$306,947	12/1/2016	84	$160,782	$116,932	$138,857	7.9910%	17.76%	$ 1,476	$ 7,788	6.11%	$ 508	$ 2,679
245	INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614	90000144754	YES	G020	$2,171,757	12/1/2016	84	$1,137,587	$827,336	$982,461	7.9910%	17.76%	$ 10,446	$ 55,101	6.11%	$ 3,594	$ 18,956
246	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$16,772	12/1/2016	120	$11,181	$9,504	$10,343	7.9910%	17.76%	$ 109	$ 298	6.11%	$ 38	$ 102
247	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	($21,448)	12/1/2016	84	$0	$0	$0	7.9910%	17.76%	$ 125	$ -	6.11%	$ 43	$ -
		Total IS					$758,388,331			$230,757,618	$135,168,220	$172,962,919			$ 2,091,408	$ 14,523,355		$ 482,694	$ 3,890,235

NIMO E $ 20,287,691

Case 17-E-0238
Appendix 5
Schedule 19
Page 25 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
IS Capital Investment Cost Incentive
For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

Investment Name	INVP	Work Order	Allocation Code	Allocation to NMPC-E	Full Sanction Estimate*	10% Threshold for Incentive	Assumed Actuals upon Project Closure*	Difference from Sanctioned Amount	Electric Portion to be Shared
Green Button Connect	4704C	N/A	C113	73%	$3,072,759	$2,765,483	$ 2,500,000	$ (572,759)	$ (417,599)
					$3,072,759	$2,765,483	$2,500,000	($572,759)	($417,599)

Total Electric CAPEX savings reflected in rent expense	$	417,599
20% of CAPEX savings recorded as a regulatory asset	$	83,520

*The Company will share in any efficiency savings on capital costs to the extent actual capital costs upon project closure, as reflected in the sanction paper for project closure, are less than the full sanction estimate, as reflected in the full sanction paper, by ten percent or more. The project closure sanction paper containing the actual capital costs is identified as "Closure" in the "Sanction Type" field of the sanction paper. The full sanction paper containing the full sanction estimate for the project is identified as "Sanction" (rather than "Partial" or "Re-Sanction") in the "Sanction Type" field on the sanction paper. For purposes of the Green Button Connect project, the incentive is based on the forecast of capital costs reflected in Niagara Mohawk's revenue requirement.

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 20
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of LED EE Conversion Program
($000's)

EXAMPLE

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 3,500	$ 3,200	$ 1,400
2	Percentage of LEDs Converted	20%	11%	9%
3	Amount Deferred	$ 1,600	$ 291	$ -

Note: The LED EE Conversion Program upward deferral is capped at $1.6 million in each rate year.

Notes (by line number)

1 Input - Actual Costs
2 Percentage of LED conversions supported by EE program funding
3 Minimum of Line 1 divided by Line 2 times (Line 2 less 10%) or Line 1 less $1.6 million; upward-only deferral, capped at $1.6M

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Electric Efficiency Transition Implementation Plan ("ETIP")
($000's)

ELECTRIC EXAMPLE 1

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 50,000	$ 52,000	$ 51,700
2	Rate Allowance	$ 53,058	$ 53,058	$ 53,058
3	Difference	$ 3,058	$ 1,058	$ 1,358
4	3 Year Cumulative Actuals	$ 153,700		
5	3 Year Cumulative Rate Allowance	$ 159,174		
6	Difference - underspend / (overspend)	$ 5,474		
7	**Deferral - Due to Customers**	**$ 5,474**		

ELECTRIC EXAMPLE 2

		Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1	Actual Expense	$ 53,000	$ 54,000	$ 53,050
2	Rate Allowance	$ 53,058	$ 53,058	$ 53,058
3	Difference	$ 58	$ (942)	$ 8
4	3 Year Cumulative Actuals	$ 160,050		
5	3 Year Cumulative Rate Allowance	$ 159,174		
6	Difference - underspend / (overspend)	$ (876)		
7	**Deferral**	**$ -**		

The Company will continue to be afforded the flexibility to shift funds within the respective electric and gas ETIP portfolio of programs.
St Lighting LED EE of $1.6M is included in the ETIP rate allowance above

Notes (by line number)
1 Input - Actual Costs
2 Per Case No. 15-M-0252; See Joint Proposal Section 13.2.3
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed the cumulative rate allowance for Rate Years 1-3, there will be no Deferral.

'Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric Deferrals Available to Mitigate for Electric Rate Base Regulatory Assets & Liabilities
($000's)

Deferral Account	Forecast Deferral Balance at 3/31/18 (in millions)	Staff Acctg Panel Adjustments	Adjusted Forecast Deferral Balance at 3/31/18 (in millions)	Percent	Rate Year One Credit Allocation	Rate Year Two Credit Allocation	Rate Year Three Credit Allocation	Forecast Deferral Balance at end of Rate Year 3 (in millions)
					$ 116.9160	$ 59.2950	$ 19.4600	
RRP Testimony Table 8 Electric Deferrals								
OPEB Expense Deferred – Electric	$ (54.976)		$ (54.976)	19.56%	$ 22.865	$ 11.596	$ 3.806	$ (16.709)
Pension Expense Deferred – Electric	34.178		34.178	-12.16%	(14.215)	(7.209)	(2.366)	10.388
Internal Reserve Carrying Charges	(50.829)		(50.829)	18.08%	21.140	10.721	3.519	(15.449)
Storm Restoration Costs	(45.950)		(45.950)	16.35%	19.111	9.692	3.181	(13.966)
Auction Debt True Up – Electric	(58.617)		(58.617)	20.85%	24.379	12.364	4.058	(17.816)
Dunkirk and Other Reliability Support Services Costs	57.000		57.000	-20.28%	(23.707)	(12.023)	(3.946)	17.324
Site Investigation and Remediation Expense – Electric	(64.412)		(64.412)	22.91%	26.789	13.586	4.459	(19.577)
Capital Tracker – Case 12-E-0201 (FY14-16)	(16.682)		(16.682)	5.93%	6.938	3.519	1.155	(5.070)
Net Utility Plant and Depreciation Expense Reconciliation Mechanism – Electric Distribution	75.704		75.704	-26.93%	(31.486)	(15.968)	(5.241)	23.009
Electric Community Carrying Charges	(32.849)		(32.849)	11.69%	13.662	6.929	2.274	(9.984)
Vegetation Management Deferral	16.159		16.159	-5.75%	(6.721)	(3.408)	(1.119)	4.911
Electric Customer Service Penalties	(13.329)		(13.329)	4.74%	5.544	2.811	0.923	(4.051)
Elevated Voltage Testing Deferral	(15.288)		(15.288)	5.44%	6.358	3.225	1.058	(4.647)
Property Tax Deferral – Electric	5.751		5.751	-2.05%	(2.392)	(1.213)	(0.398)	1.748
Diana-Dolgeville Settlement	(3.500)		(3.500)	1.25%	1.456	0.738	0.242	(1.064)
Deferral Summary – Case 10-E – 0050 *	3.149		3.149	-1.12%	(1.310)	(0.664)	(0.218)	0.957
Bonus Depreciation Adjustment – Electric – Case 15-M-0744	(9.699)		(9.699)	3.45%	4.034	2.046	0.671	(2.948)
Generation Stranded Cost Adjustment	(2.759)		(2.759)	0.98%	1.147	0.582	0.191	(0.839)
NYPA Discount Reconciliation Deferral	(1.401)		(1.401)	0.50%	0.583	0.296	0.097	(0.426)
Curtailment - Electric	(0.293)		(0.293)	0.10%	0.122	0.062	0.020	(0.089)
REV Demonstration Project Costs	3.283		3.283	-1.17%	(1.365)	(0.692)	(0.227)	0.998
Transmission Footer Inspection Deferral	(0.400)		(0.400)	0.14%	0.166	0.084	0.028	(0.122)
Sub-Transmission Footer Inspection Deferral	(0.114)		(0.114)	0.04%	0.047	0.024	0.008	(0.035)
Transmission Tower Painting Deferral	(0.032)		(0.032)	0.01%	0.013	0.007	0.002	(0.010)
Sub-Transmission Tower Painting Deferral	(1.188)		(1.188)	0.42%	0.494	0.251	0.082	(0.361)
Consumer Service Advocate	(0.090)		(0.090)	0.03%	0.037	0.019	0.006	(0.027)
Hydro One Network	(2.020)		(2.020)	0.72%	0.840	0.426	0.140	(0.614)
LED Street Lighting Conversion Program	3.192	(3.192)	-	0.00%	-	-	-	3.192
Emerald Ash Borer Beetle Tree Removal Deferral	11.667	(11.667)	-	0.00%	-	-	-	11.667
Rate Case Expense - Electric	2.241	(2.241)	-	0.00%	-	-	-	2.241
NYPA Expansion and Replacement Power	(4.928)		(4.928)	1.75%	2.050	1.039	0.341	(1.498)
NYS Sales Tax Refund - Electric	(0.864)		(0.864)	0.31%	0.359	0.182	0.060	(0.263)
Voltage Migration Fee	(0.011)		(0.011)	0.00%	0.005	0.002	0.001	(0.003)
Proceeds on Sale of Allow – Albany	(1.770)		(1.770)	0.63%	0.736	0.373	0.123	(0.538)
Clean Air Act Auction Proceeds – Roseton	(0.167)		(0.167)	0.06%	0.069	0.035	0.012	(0.051)
Economic Development Fund Program - Electric	(94.167)		(94.167)	33.50%	39.165	19.863	6.519	(28.621)
AffordAbility Program - Electric	(3.245)	3.245	-	0.00%	-	-	-	(3.245)
Electric Deferral Accounts Available to Mitigate Rate Increase	$ (267.256)	$ (13.855)	$ (281.111)	100.00%	$ 116.9160	$ 59.2950	$ 19.4600	$ (71.5850)

APPENDIX 6

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Forecast Balances of Gas Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending March 31, 2019
($000's)

Activity	Description	Avg Bal HYE 12/31/2016	Actual Balance at 12/31/2016	Forecast Balance at 3/31/2018	Mechanism Ongoing/ Discontinued	Carrying Charges
Regulatory Assets & Liabilities with Proposed Surcharge with No Interest EXCLUDED from Rate Base						
1823253	Pens Exp Defrd-El	$ 7,737	$ 9,001	$ 12,668	Ongoing	None
1823254	OPEB Exp Defrd-El	819	1,167	4,224	Ongoing	None
Total of Accounts w/ Recovery but NOT in Rate Base		$ 8,556	$ 10,168	$ 16,892		
Regulatory Assets & Liabilities with Proposed Surcharge with Interest EXCLUDED in Rate Base						
1823049	Deferred Gas Costs	$ 2,616	$ 23,922	$ 23,922	Ongoing	N/A
1823076	TAC Imbalance Surcha	74	-	-	Ongoing	N/A
1823085	Medicare Act tax	3,231	3,231	3,231	Discontinued	Yes - Pre-Tax WACC
1823195	RDM Rev Decoupling	254	1,675	1,675	Ongoing	Yes - Pre-Tax WACC
1823202	GAC SC/Ref Adj Def	3,301	-	-	Ongoing	N/A
1823233	80/20 Rev Sharg Mech	613	-	-	Ongoing	Yes - Pre-Tax WACC
1823263	Incent Return	34	34	34	Discontinued	Yes - Pre-Tax WACC
1823274	Low Income Program	205	-	-	Ongoing	Yes - Pre-Tax WACC
1823729	MFC - Imbalance	4	-	-	Ongoing	Yes - Pre-Tax WACC
1823731	Sys Perf Adj (SPA)	2,281	1,609	1,609	Ongoing	Yes - Pre-Tax WACC
1823755	Oil to Gas Conversion	905	905	1,387	Ongoing	Yes - Pre-Tax WACC
2540009	Int Pipeline Refund	(0)	-	-	Discontinued	N/A
2540051	Pipeline Refunds	(5)	(0)	(0)	Discontinued	Yes - Pre-Tax WACC
2540053	GAC Imbalance Refund	(12,564)	(5,763)	(5,763)	Ongoing	N/A
2540075	Temp Assessmnt 18-A	0	-	-	Discontinued	Yes - Pre-Tax WACC
2540076	TAC Imbalance Refund	(12)	(91)	(91)	Ongoing	Yes - Pre-Tax WACC
2540160	EE Surcharge-Gas	(2,157)	(2,521)	(2,521)	Ongoing	Yes - Pre-Tax WACC
2540232	Cap Tracker-Gas	(5,693)	(6,180)	(6,180)	Ongoing	Yes - Pre-Tax WACC
2540274	Low Income Program	(203)	(946)	(3,015)	Ongoing	Yes - Pre-Tax WACC
2540281	OffSys Sales-Profit	(275)	(1,560)	(1,560)	Ongoing	Yes - Pre-Tax WACC
2540507	Oth Reg Asts	(69)	(69)	(69)	Discontinued	Yes - Pre-Tax WACC
2540509	NIMO-Gas Net REVMech	(591)	(821)	(821)	Ongoing	Yes - Pre-Tax WACC
2540512	NIMO-GAS NON-CORE Re	(2,014)	-	-	Ongoing	Yes - Pre-Tax WACC
2540514	NIMO-GAS CONTINGENCY	(407)	(407)	(407)	Ongoing	Yes - Pre-Tax WACC
2540517	NIMO-Gas Customer Sr	(18,080)	(19,955)	(19,955)	Ongoing	Yes - Pre-Tax WACC
2540520	NIMO-Loss on Sale of	(0)	(0)	(0)	Discontinued	Yes - Pre-Tax WACC
2540536	NIMO-Mrcht Func Chrg	(135)	(81)	(81)	Ongoing	Yes - Pre-Tax WACC
2540537	SIR Expend Defrd-Gas	(5,515)	(6,699)	(9,969)	Ongoing	Yes - Pre-Tax WACC
2540542	GAC Surc/Ref Adj Def	(828)	-	-	Ongoing	N/A
2540547	NYS Sales Tax Refund	(336)	(336)	(336)	Discontinued	Yes - Pre-Tax WACC
2540551	GRT Customer Refund	(15)	(15)	(15)	Discontinued	Yes - Pre-Tax WACC
2540553	Gas Millennium Fund	(827)	(476)	453	Ongoing	Yes - Pre-Tax WACC
2540559	Bonus Dep Adj Gas	(32)	(349)	(1,313)	Discontinued	Yes - Pre-Tax WACC
2540570	NIMO-KS Merger Savin	(63)	(63)	(63)	Discontinued	Yes - Pre-Tax WACC
2540573	RDM Rev Decoupling	(3,266)	-	-	Ongoing	Yes - Pre-Tax WACC
2540575	NIMO-Long Term Debt	(14,594)	(16,568)	(19,762)	Ongoing	Yes - Pre-Tax WACC
2540577	NIMO-Federal Tax Ref	(3,723)	(3,723)	(3,723)	Discontinued	Yes - Pre-Tax WACC
2540578	Curtailment	(23)	(23)	(23)	Discontinued	Yes - Pre-Tax WACC
2540603	NMPC - 18 A Ass. Gas	(1,642)	(1,249)	(1,249)	Discontinued	Yes - Pre-Tax WACC
2540605	Misc Penalties	(443)	(443)	(443)	Discontinued	Yes - Pre-Tax WACC
2540606	Case 08-G-0609 JP Am	(2,896)	(2,896)	(2,896)	Discontinued	Yes - Pre-Tax WACC
2540615	NUPD-Mec-G-15-M-0744	1,278	5,369	22,958	Ongoing	Yes - Pre-Tax WACC
2540703	Economic Development	(4,010)	(4,916)	(8,090)	Ongoing	Yes - Pre-Tax WACC
2540704	Economic Develop Gra	(2,357)	(2,805)	(2,555)	Ongoing	Yes - Pre-Tax WACC
2540706	AffordAbility Program	(177)	(281)	(651)	Discontinued[1]	Yes - Pre-Tax WACC
2540710	Property Tax Exp Def	(8,518)	(9,142)	(11,973)	Ongoing	Yes - Pre-Tax WACC
2540712	Variable Pay Deferra	(429)	(431)	(431)	Ongoing	Yes - Pre-Tax WACC
2540719	FIT Repair Cost - Ga	(30,113)	(30,113)	(30,113)	Discontinued	Yes - Pre-Tax WACC
2540729	MFC - Imbalance	(164)	(84)	(84)	Ongoing	Yes - Pre-Tax WACC
2540730	NMPC Gas CC Chrg Def	(12,411)	(15,223)	(23,732)	Ongoing	N/A
2540736	CEF Def-Gas	(8,128)	(9,089)	(9,089)	Ongoing	Yes - Pre-Tax WACC
2540539	NIMO-Enhanced SBC Pr	(2,314)	-	-	Ongoing	Yes - Pre-Tax WACC
2540731	Sys Perf Adj (SPA)	(29)	(696)	(696)	Ongoing	Yes - Pre-Tax WACC
2540727	Bonus Dep Adjustment	(1)	(22)	(22)	Discontinued	Yes - Pre-Tax WACC
Total of Accounts w/ Recovery but NOT in Rate Base		$ (130,262.93)	$ (107,289.77)	$ (112,420.92)		
Total Accounts included in Surcharge				$ (95,529.34)		

* - The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

[1] The program is closed to new customers and is gradually being phased out for existing customers. As set forth in Section 13.1 of the Joint Proposal, the Company will continue to defer costs associated with the Affordability program until existing customers complete, default, or voluntarily remove themselves from the program.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Forecast Balances of Gas Rate Base Regulatory Assets & Liabilities
For the Rate Year Ending March 31, 2019
($000's)

Activity	Description	Avg Bal HYE 12/31/2016	Actual Balance at 12/31/2016	Forecast Balance at 3/31/2018	Mechanism Ongoing/ Discontinued	Carrying Charges
Other Regulatory Assets & Liabilities Included in Rate Base						
1823024	Enhanced Svrnce Plan	$ 0.00	$ -	$ -	Discontinued	None
1823251	Mergr Emp Sepn costs	(0)	(0)	(0)	Discontinued	None
1823708	Rate Case Exp 17-G-0	(4)	-	426	Ongoing	None
2540095	RPS Progm Cost Def	-	-	-	Ongoing	None
2540516	Env Ins Rcvries Net	60	-	-	Discontinued	None
1823XXX	Management Audit Amort		-	64	Ongoing	None
Subtotal Other Reg. Assets in Rate Base		$ 56	$ (0)	$ 490		
Other Regulatory Assets & Liabilities Excluded from Rate Base						
1823005	EnviroSIR Rsrv Offst	$ 56,081	$ 56,350	$ 56,350	Ongoing	N/A
1823043	Asset Ret Obligation	7,123	7,763	7,763	Ongoing	N/A
1823070	Gas Futures-Gas Sply	3,316	1,483	1,483	Ongoing	N/A
1823158	FAS158-Pension	27,304	24,215	24,215	Ongoing	N/A
1823159	FAS158-OPEB	51,576	45,852	45,852	Ongoing	N/A
1823250	Pen/FAS106 Purch	0	-	-	Discontinued	N/A
2540546	OPEB Exp Def-Gas	-	-	-	Ongoing	N/A
2540569	Gas Futures-Gas Sply	(1,167)	(6,224)	(6,224)	Ongoing	N/A
2540007	GAS Refund	(403)	(403)	(403)	Ongoing	N/A
Total of Accounts w/ Recovery but NOT in Rate Base		$ 143,829	$ 129,036	$ 129,036		
Other Assets & Liabilities Included in Rate Base						
1730010	Unbilled Rev Gas	$ 17,433	$ 15,699	$ 15,699	Ongoing	None
1810000	Unamortized Debt Exp	3,502	3,323	2,870	Ongoing	None
1890000	UnamorLoss Rac Debt	1,850	1,708	1,405	Ongoing	None
2540511	NIMO-ACCRUED UNBILLE	(16,100)	(17,992)	(17,992)	Ongoing	None
Subtotal Other Reg. Liabilities in Rate Base		$ 6,685	$ 2,736	$ 1,982		
Net Reg Assets & Liabilities Included in Rate Base		$ 6,742	$ 2,736	$ 2,471		

* - The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2013 plus any applicable carrying charges.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of Carrying Charges on Deferrals
($000's)

GAS EXAMPLE

	(a)	(b)	(c)	(d)	(e)
Month	**Beginning Balance**	**Spending in Excess of Threshold**	**Interest Rate**	**Interest**	**Ending Balance**
			8.07%		
Apr-18	-	(100,000.00)	0.67%	(248.24)	(100,000.00)
May-18	(100,000.00)	(75,000.00)	0.67%	(682.65)	(175,000.00)
Jun-18	(175,000.00)	(120,000.00)	0.67%	(1,166.71)	(295,000.00)
Jul-18	(295,000.00)	(80,000.00)	0.67%	(1,663.18)	(375,000.00)
Aug-18	(375,000.00)	(70,000.00)	0.67%	(2,035.53)	(445,000.00)
Sep-18	(445,000.00)	(55,000.00)	0.67%	(2,345.82)	(500,000.00)
Oct-18	(500,000.00)	30,000.00	0.67%	(2,407.88)	(470,000.00)
Nov-18	(470,000.00)	90,000.00	0.67%	(2,110.00)	(380,000.00)
Dec-18	(380,000.00)	90,000.00	0.67%	(1,663.18)	(290,000.00)
Jan-19	(290,000.00)	70,000.00	0.67%	(1,266.00)	(220,000.00)
Feb-19	(220,000.00)	60,000.00	0.67%	(943.29)	(160,000.00)
Mar-19	(160,000.00)	35,000.00	0.67%	(707.47)	(125,000.00)
				(17,239.93)	

Column Notes:

Column (a)	Prior month Column (e)
Column (b)	Actual monthly deferred spending
Column (c)	Pre-Tax WACC divided by 12
Column (d)	Column (c) times (Column (a) + Column (b) / 2) * 73.8650%
Column (e)	Column (a) + Column (b) - NOTE interest will be booked it a separate deferral account with interest

Note: This example calculation is for a deferral that carrying charges can be calculated monthly. Some carrying charges will be applied on an annual basis and would use the annual carrying charge rate.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Pension and OPEB Expense
($000's)

GAS PENSION EXAMPLE

		Gas Pension Rate Year One	Gas Pension Rate Year Two	Gas Pension Rate Year Three
1	Actual Expense	$ 8,000	$ 1,500	$ 1,000
2	Rate Allowance	$ 6,383	$ 1,852	$ 311
3	Amount Deferred to (from) customers	$ (1,617)	$ 352	$ (689)

Notes (by line number)

1 Actual expense calculated in accordance with Appendix 9
2 Forecasted Rate Year expense. See Page 2 of 2, Line 5
3 Line 2 less Line 1

GAS OPEB EXAMPLE

		Gas OPEB Rate Year One	Gas OPEB Rate Year Two	Gas OPEB Rate Year Three
4	Actual Expense	$ 3,000	$ 2,500	$ 2,000
5	Rate Allowance	$ 3,424	$ 2,335	$ 630
6	Amount Deferred to (from) customers	$ 424	$ (165)	$ (1,370)

Notes (by line number)

4 Actual expense calculated in accordance with Appendix 9
5 Forecasted Rate Year expense. See Page 2 of 2, Line 11
6 Line 5 less Line 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Pension & OPEB Expense
($000's)

		Rate Year Ending March 31, 2019			Data Year Ending March 31, 2020			Data Year Ending March 31, 2021		
		Total	**Electric**	**Gas**	**Total**	**Electric**	**Gas**	**Total**	**Electric**	**Gas**
1	**Pension**									
2	Term Sheet (Sched 16)	38,688.44	32,498.3	6,190.2	9,690.8	8,140.2	1,550.5	-	-	-
3	Other Initiatives (Sched 27)	580.87	388.5	192.4	864.7	563.5	301.2	978.5	667.6	310.9
4	OPEX Assoc with CAPEX (Sched 27)	298.07	298.1	-	147.9	147.9	-	76.7	76.7	-
5	Total	39,567.4	33,184.8	6,382.5	10,703.3	8,851.6	1,851.7	1,055.2	744.3	310.9
6										
7	**OPEB**									
8	Term Sheet (Sched 11)	19,860.2	16,682.5	3,177.6	12,180.6	10,231.7	1,948.9	1,451.3	1,219.1	232.2
9	Other Initiatives (Sched 27)	744.2	497.7	246.5	1,107.7	721.9	385.8	1,253.6	855.3	398.3
10	OPEX Assoc with CAPEX (Sched 27)	410.3	410.3	-	213.7	213.7	-	103.4	103.4	-
11		21,014.7	17,590.6	3,424.1	13,502.1	11,167.3	2,334.7	2,808.3	2,177.8	630.5

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 3
Page 2 of 2

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Energy Affordability Discount Program
($000's)

GAS EXAMPLE 1

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Discounts Provided	$ 15,200	$ 15,100	$ 14,700
2	Amount of Discounts in Rate Allowance	$ 14,905	$ 14,905	$ 14,905
3	Difference	$ (295)	$ (195)	$ 205
4	3 Year Cumulative Actual Discounts Provided	$ 45,000		
5	3 Year Cumulative Rate Allowance	$ 44,716		
6	Difference - underspend / (overspend)	$ (284)		
7	**Deferral for future recovery from Customers**	**$ (284)**		

GAS EXAMPLE 2

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Discounts Provided	$ 14,700	$ 14,800	$ 15,100
2	Amount of Discounts in Rate Allowance	$ 14,905	$ 14,905	$ 14,905
3	Difference	$ 205	$ 105	$ (195)
4	3 Year Cumulative Actual Discounts Provided	$ 44,600		
5	3 Year Cumulative Rate Allowance	$ 44,716		
6	Difference - underspend / (overspend)	$ 116		
7	**Deferral for future use in a Low Income Program**	**$ 116**		

Notes (by line number)

1 Input - Actual Discounts provided to customers
2 Rate Year expense per Case No. 14-M-0565
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual discounts for Rate Years 1-3 are less than cumulative rate allowances for same period, then amount is deferred for furture use in a Low Income Program. If actual discounts exceed the cumulative rate allowance for Rate Years 1-3, the amount will be deferred for future recovery from customers.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Economic Development Discount Program
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Discounts Provided	$ 1,100	$ 900	$ 850
2	Amount of Discounts in Rate Allowance:			
3	Empire Zone Rider (EZR) Discount	$ 1,120	$ 896	$ 717
4	Excelsior Job Programs (EJP) Discount	$ 30	$ 39	$ 45
5	Total forecasted EZR and EJP Discounts	$ 1,150	$ 935	$ 762
6	Amount Deferred to customers / (due from customers)	$ 50	$ 35	$ (88)

Notes (by line number)

1 Input - Actual Customer EZR & EJP Discounts provided
3 Forecasted EZR Rate Year Discounts. See Page 2 of 2, Line 1
4 Forecasted EJP Rate Year Discounts. See Page 2 of 2, Line 2
5 Line 3 + Line 4
6 Line 5 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Economic Development Discount Program
Whole Dollars

GAS

Lines		Fiscal Year 2019	Fiscal Year 2020	Fiscal Year 2021
	Annual Discounts			
1	Empire Zone Rider (EZR) Discount	$1,120,000	$896,000	$716,800
2	Excelsior Job Program (EJP) Discount	$30,000	$39,000	$45,000
3	Total EJP and EZR Discounts - Annual	$1,150,000	$935,000	$761,800
	Monthly Discount Target			
4	Empire Zone Rider (EZR) Discount	$93,333	$74,667	$59,733
5	Excelsior Job Program (EJP) Discount	$2,500	$3,250	$3,750
6	Total EJP and EZR Discounts - Monthly	$95,833	$77,917	$63,483

Line 1: Historic actual EZR discounts adjusted for newly certified EZR estimated load
Line 2: Forecasted EJP discounts
Line 3: Line 1 + Line 2
Line 4: Line 1 / 12 Months
Line 5: Line 2 / 12 Months
Line 6: Line 4 + Line 5

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Economic Development Grant Program
($000's)

GAS EXAMPLE 1

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 500	$ 1,200	$ 950
2	Rate Allowance	$ 1,000	$ 1,000	$ 1,000
3	Difference	$ 500	$ (200)	$ 50
4	3 Year Cumulative Actuals	$ 2,650		
5	3 Year Cumulative Rate Allowance	$ 3,000		
6	Difference - underspend / (overspend)	$ 350		
7	**Deferral - Due to Customers**	**$ 350**		

GAS EXAMPLE 2

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 900	$ 1,200	$ 1,150
2	Rate Allowance	$ 1,000	$ 1,000	$ 1,000
3	Difference	$ 100	$ (200)	$ (150)
4	3 Year Cumulative Actuals	$ 3,250		
5	3 Year Cumulative Rate Allowance	$ 3,000		
6	Difference - underspend / (overspend)	$ (250)		
7	**Deferral**	**$ -**		

Notes (by line number)

1 Input - Actual Costs
2 Rate Allowance - See Schedule 39
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed cumulative rate allowance for Rate Years 1-3, there will be no Deferral.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Auction Debt True-up
($000's)

GAS EXAMPLE

		Gas Rate Year One
1	Actual Interest Expense	$ 4,000
2	Annual Rate Allowance	$ 4,041
3	Amount Deferred to (from) customers	$ 41

Notes (by line number)

1 Input - Hypothetical Actual Interest Costs
2 Forecasted Rate Year interest expense. See Page 2 of 2
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Debt Rates
Weighted Average Cost of Auction Debt (Gas)
($000's)

LONG-TERM DEBT	Maturity Date	Principal Amount	Test Year Effective Rate	Change in Variable Rate	Rate Year 1 Effective Rate	Rate Year 1 Interest
1988 Series A Pollution Control Revenue Bonds	12/1/2023	69,800	1.69%	3.31%	4.99%	3,485
1985 Series B Pollution Control Revenue Bonds	12/1/2025	75,000	1.55%	3.29%	4.84%	3,630
1986 Series A Pollution Control Revenue Bonds	12/1/2026	50,000	1.62%	3.33%	4.95%	2,476
1987 Series A Pollution Control Revenue Bonds	3/1/2027	25,760	1.47%	3.33%	4.80%	1,236
1987 Series B Pollution Control Revenue Bonds	7/1/2027	93,200	1.62%	3.33%	4.95%	4,614
2004 Series A Pollution Control Revenue Bonds	7/1/2029	115,705	1.76%	3.31%	5.06%	5,857
		$429,465	1.65%		4.96%	21,298
Gas Rate Base						1,231,782
Total Rate Base						6,492,510
Gas Allocation						18.97%
Gas Interest						4,041

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Long-Term Debt True-up
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Long Term Debt Capitalization Ratios	NA	51.06%	51.06%
2	Gas Rate Base for Ratesetting	NA	1,323,158	1,431,811
3	Actual Gas Rate Base	NA	1,200,000	1,400,000
4	Rate Base for True-up	NA	1,200,000	1,400,000
5	Weighted Average Cost of Debt for Ratesetting	NA	4.19%	4.13%
6	Actual Weighted Average Cost of Debt	NA	4.15%	4.16%
7	Annual Rate Allowance	NA	$ 28,328	$ 30,187
8	Actual Cost of Debt	NA	$ 25,428	$ 29,737
9	Amount Deferred to (from) customers	NA	$ 2,900	$ 449

Notes (by line number)

1 As specified in Joint Proposal
2 As specified in Joint Proposal
3 Input - Hypothetical Actual Gas Rate Base
4 Lesser of Lines 3 and 4
5 As specified in Joint Proposal, Forecasted Rate Year Cost of Long Term Debt. See Page 2 of 2
6 Input - Hypothetical Actual Cost of Long Term Debt
7 Line 1 x Line 2 x Line 5
8 Line 1 x Line 4 x Line 6
9 Line 7 less Line 8

Niagara Mohawk Power Corporation d/b/a National Grid
Case 17-E-0238 & 17-G-0239
Debt Rates
Weighted Average Cost of Long-Term Debt
($000's)

LONG-TERM DEBT	Rate %	Maturity Date	Principal Amount	Rate Year 1 Effective Rate	Rate Year 1 Interest & Expenses	Rate Year 2 Effective Rate	Rate Year 2 Interest & Expenses	Rate Year 3 Effective Rate	Rate Year 3 Interest & Expenses
1988 Series A Pollution Control Revenue Bonds	1.240%	12/1/2023	69,800	4.99%	3,485	5.87%	4,100	6.42%	4,484
1985 Series B Pollution Control Revenue Bonds	1.259%	12/1/2025	75,000	4.84%	3,630	5.72%	4,291	6.27%	4,704
1986 Series A Pollution Control Revenue Bonds	1.216%	12/1/2026	50,000	4.95%	2,476	5.83%	2,916	6.38%	3,191
1987 Series A Pollution Control Revenue Bonds	1.219%	3/1/2027	25,760	4.80%	1,236	5.68%	1,463	6.23%	1,604
1987 Series B Pollution Control Revenue Bonds	1.217%	7/1/2027	93,200	4.95%	4,614	5.83%	5,435	6.38%	5,948
2004 Series A Pollution Control Revenue Bonds	1.241%	7/1/2029	115,705	5.06%	5,857	5.94%	6,876	6.49%	7,513
4.881% Senior Notes	4.881%	8/15/2019	750,000	4.93%	36,996	4.93%	13,747	0.00%	-
4.119% Senior Notes	4.119%	11/28/2042	400,000	4.14%	16,573	4.14%	16,573	4.14%	16,573
2.721% Senior Notes	2.721%	11/28/2022	300,000	2.76%	8,277	2.76%	8,277	2.76%	8,277
3.508% Senior Notes	3.508%	10/1/2024	500,000	3.55%	17,755	3.55%	17,755	3.55%	17,755
4.278% Senior Notes	4.278%	10/1/2034	400,000	4.32%	17,269	4.32%	17,269	4.32%	17,269
4.05% $400 million 30-Year Senior Notes Issued July 2018	4.050%	7/15/2048	400,000	4.08%	11,629	4.08%	16,325	4.08%	16,325
4.00% $450 million 30-Year Senior Notes Issued July 2019	4.000%	7/15/2049	450,000			4.03%	12,936	4.03%	18,140
3.30% $450 million 10-Year Senior Notes Issued July 2019	3.300%	7/15/2029	450,000			3.39%	10,890	3.39%	15,271
4.00% $200 million 30-Year Senior Notes Issued July 2020	4.000%	7/15/2050	200,000					4.03%	5,743
3.30% $200 million 10-Year Senior Notes Issued July 2020	3.300%	7/15/2030	200,000					3.39%	4,835
Amortization of Reacquired Debt Call Premiums & DD&E					1,608		1,608		1,608
			$4,479,465	4.29%	131,404	4.19%	140,462	4.13%	149,240

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Net Utility Plant and Depreciation Expense Reconciliation
($000s)

Rate Year Ending March 31, 2019

	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		$ 2,487,111	$ 15,521	$ (879,992)	$ 1,622,640	$ 52,572
Pre-Tax WACC					8.07%	
Total Revenue Requirement Target	$ 183,448				$ 130,875	$ 52,572
Estimate Actual Results		$ 2,483,909	$ 15,341	$ (877,723)	$ 1,621,527	$ 52,597
Pre-Tax WACC					8.07%	
Total Revenue Requirement Actuals	$ 183,383				$ 130,786	$ 52,597
Actuals higher/(lower) than Target	$ (65)					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2020

	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		$ 2,609,954	$ 21,410	$ (901,282)	$ 1,730,082	$ 55,164
Pre-Tax WACC					8.02%	
Total Revenue Requirement Target	$ 193,840				$ 138,676	$ 55,164
Estimate Actual Results		$ 2,592,018	$ 21,015	$ (897,991)	$ 1,715,042	$ 54,520
Pre-Tax WACC					8.02%	
Total Revenue Requirement Actuals	$ 191,991				$ 137,471	$ 54,520
Actuals higher/(lower) than Target	$ (1,849)					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2021

	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation Expense (e)
Forecast included in Revenue Requirement Settlement		$ 2,747,368	$ 30,017	$ (921,310)	$ 1,856,075	$ 58,099
Pre-Tax WACC					7.99%	
Total Revenue Requirement Target	$ 206,317				$ 148,218	$ 58,099
Estimate Actual Results		$ 2,756,480	$ 30,037	$ (921,201)	$ 1,865,316	$ 58,054
Pre-Tax WACC					7.99%	
Total Revenue Requirement Actuals	$ 207,010				$ 148,956	$ 58,054
Actuals higher/(lower) than Target	$ 693					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

3 Year Cumulative Revenue Requirement Actuals	$ 582,384
3 Year Cumulative Revenue Requirement Target	$ 583,605
3 Year Cumulative Actuals higher/lower than Target	$ (1,221)

Note: Downward only reconciliation - no amounts due from customers if actuals are higher than target

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Site Investigation and Remediation (SIR) Expense
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 4,750	$ 5,000	$ 4,600
2	Rate Allowance	$ 4,821	$ 4,821	$ 4,821
3	Amount Deferred to (from) customers	$ 71	$ (179)	$ 221

Notes (by line number)

1 Hypothetical Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.6
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
General Principles of the SIR Deferrral Mechanism

Established pursuant to the Financial Recovery Agreement (the "FRA"; Clause 16), approved by the Public Service Commission in Opinion No. 89-37(D); first applied in 1990 and continued to date applies to Site Investigation and Remediation (SIR) program sites, including:

- Former manufactured gas plant (MGP) sites
- Other Operating sites (previously designated by NM as "Industrial Waste Sites" and "Corrective Action Sites"; they include service centers, electric substations, and company properties)
- Potentially Responsible Party (PRP) sites (not owned by NM but pose alleged liabilities pursuant to Federal/State Superfund and other NYS Environmental Conservation Law-related regulations)

Allowable costs include:

- Consultant and contractor costs for site investigation and remediation efforts
- SIR activities that develop or implement remediation approaches to reduce the volume, mobility, or toxicity pre-existing contamination (caused or alleged to be caused by past practices or operations)
- Incremental external costs, including insurance premiums and legal costs, incurred to seek recovery from third parties or to otherwise seek to mitigate the cost or liability of the Company associated with the SIR program

Allowable costs shall be offset by:

- Net gains recognized from the sale or transfer to Non-utility Property of NM land and buildings included in rate base[1] or from the sale of stone, gravel, sand, or timber from such land, or
- Any net gains recognized from the leasing of such land or from the sale or lease of mining or drilling rights to such land, and
- Net insurance proceeds and net recoveries from third parties.

Department of Public Service Staff reserves the right to review for ultimate Commission determination the reasonableness of the actual deferred costs, which shall depend, inter alia, on the adequacy of the Company's efforts to seek contribution for those costs from other responsible parties.

[1] For land and buildings which have been removed from rate base prior to date that this policy became effective, Niagara Mohawk shall propose the appropriate sharing of net gains in a filing that is subject to the approval of the Commission.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Property Tax Expense
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 40,000	$ 45,000	$ 50,000
2	Rate Allowance	$ 43,072	$ 45,311	$ 47,730
3	Under (over) spending	$ 3,072	$ 311	$ (2,270)
4	Customer share of under (over) spending	80%	80%	80%
5	Amount Deferred to (from) Customers	$ 2,457	$ 248	$ (1,816)

Notes (by line number)

1 Input - Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.7
3 Line 2 less Line 1 (Difference between actual expense and rate allowance)
4 Deferral for under (over) spending will be based on 80% customer and 20% company basis
5 Line 3 times Line 4

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Variable Pay Expense
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 5,000	$ 4,000	$ 5,000
2	Rate Allowance	$ 4,045	$ 4,203	$ 4,317
3	Amount Deferred to Customers	$ -	$ 203	$ -

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

Notes (by line number)

1 Input Actual costs - Under the Company's variable pay program (APP) the evaluation period is on a fiscal year basis ending March Variable pay expense is accrued monthly, with the final accrual in March reconciling the annual variable pay total to the expecte pay out in June.
2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.12
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Oil Heat to Gas Conversion Program
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 1,250	$ 400	$ 950
2	Oil Heat Conversion Program Allowance	$ 764	$ 764	$ 764
3	Amount Deferred to customers / (due from customers)	$ (236)	$ 364	$ (186)

Note: The Oil Heat Conversion Program total spend is capped at $1M in each rate year.
The upward deferral is capped at $236k in each rate year. There is no downward cap on the deferral.

Notes (by line number)

1 Input - Actual Costs
2 Costs included in Rate Allowance
3 Line 2 less Line 1 ; upward deferral capped at $236k

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Walk-In Payment Transaction Fees
($000's)

GAS EXAMPLE

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 250	$ 450	$ 500
2	Rate Allowance	414	414	414
3	Amount Deferred to (from) customers	$ 164	$ (36)	$ (86)

Notes (by line number)

1 Input - Actual Costs
2 Forecasted Rate Year expense. See Joint Proposal Section 10.2.5
3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Safety and Reliability Surcharge
Example of All Components of Gas Safety and Reliability Surcharge (GSRS)
($000s)

	Page Reference	Rate Year One FY 2019	Rate Year Two FY 2020	Rate Year Three FY 2021
Recovery of Incremental LPP Replacement Costs	Page 2 - 4	$213	$546	$934
Recovery of Incremental Leak Repair Costs	Page 5	$247	$761	$1,300
Total Gas and Safety Surcharge		$461	$1,307	$2,234

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 15
Page 1 of 7

Niagara Mohwak Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak Prone Pipe (LPP) Replacement Costs
($000s)

LPP Rate Allowance and Example Assumptions for Illustrative Purposes of the Recovery of Incremental Costs and the Removal Incentive:

	[----------RATE ALLOWANCE----------]			[----------EXAMPLE ASSUMPTIONS FOR ILLUSTRATIVE PURPOSES----------]			
Rate Year	Annual Replacement Threshold (Miles)	Rate Allowance Capital Average Unit Cost	Cumulative Replacement Threshold (Miles)	Example for Illustrative Purposes Total Cumulative (Miles)	Example for Illustrative Purposes Cumulative Incremental (Miles)	Example for Illustrative Purposes Annual Incremental Miles Subject to GSRS	Example for Illustrative Purposes Capital Average Unit Cost
FY 2019	50	$184	50	54	4	4	$187
FY 2020	50	$188	100	107	7	3	$196
FY 2021	50	$192	150	162	12	5	$187

	[----------RATE ALLOWANCE----------] Rate Allowance - 50 Miles Replacement at $184 Average Unit Cost							[----------EXAMPLE FOR ILLUSTRATIVE PURPOSES----------] Example - 4 Incremental Miles at $187 Avg Unit Cost							
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.07% (Note 3) (f)	Total Revenue Require-ment (g) (c)+(f)	Capital Expend. Closes To Plant In-Service (Note 1) (i)	Plant Balance (j)	Depreciation Expense 1.82% (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m) (j) + (l)	Pre - Tax WACC 8.07% (Note 3) (n)	Total Revenue Require-ment (o) (k)+(n)	Amount Subject to Surcharge (Note 4)
FY 2019															
Mar-2018	0	0	0	0	0	0		0	0	0	0	0	0		
Apr-2018	3,984	3,984	0	0	3,984	27		324	324	0	0	324	2		
May-2018	3,559	7,543	6	-6	7,537	51		289	613	0	0	613	4		
Jun-2018	4,642	12,185	11	-17	12,168	82		377	991	1	-1	989	7		
Jul-2018	6,421	18,606	18	-36	18,570	125		522	1,513	2	-3	1,510	10		
Aug-2018	5,866	24,473	28	-64	24,408	164		477	1,990	2	-5	1,985	13		
Sep-2018	6,215	30,688	37	-101	30,586	206		505	2,495	3	-8	2,487	17		
Oct-2018	5,249	35,936	47	-148	35,789	241		427	2,922	4	-12	2,910	20		
Nov-2018	340	36,276	54	-202	36,074	242		28	2,949	4	-16	2,933	20		
Dec-2018	4,540	40,816	55	-257	40,559	273		369	3,319	4	-21	3,298	22		
Jan-2019	2,682	43,498	62	-319	43,179	290		218	3,537	5	-26	3,511	24		
Feb-2019	2,674	46,171	66	-385	45,786	308		217	3,754	5	-31	3,723	25		
Mar-2019	2,405	48,576	70	-455	48,121	162		196	3,949	6	-37	3,912	13		
	$48,576		$455		26,892	$2,169	$2,624	$3,949		$37		2,186	$176	$213	$213
Miles	50							4							
Feet	264,000							21,120							
Unit Cost per Foot	$184							$187 ok, under cap							
2% Cap on Unit Cost	$188							$188 2% Cap on Unit Cost							

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 15
Page 2 of 7

Niagara Mohwak Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak Prone Pipe (LPP) Replacement Costs
($000s)

	[----------RATE ALLOWANCE----------]							[----------EXAMPLE FOR ILLUSTRATIVE PURPOSES----------]							
	Rate Allowance - 50 Miles Replacement at $188 Average Unit Cost							Example of 3 Incremental Miles at $196 Average Unit Cost							
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.02% (Note 3) (f)	Total Revenue Require-ment (g) (c)+(f)	Capital Expend. Closes To Plant In-Service (Note 1) (i)	Plant Balance (j)	Depreciation Expense 1.82% (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m) (j) + (l)	Pre - Tax WACC 8.02% (Note 3) (n)	Total Revenue Require-ment (o) (k)+(n)	Maximum Amount Subject to Surcharge (Note 4)
FY 2020															
Mar-2019		48,576		-455	48,121	162			3,949		-37	3,912	13		
Apr-2019	4,071	52,647	74	-529	52,118	348		249	4,199	6	-43	4,156	28		
May-2019	3,636	56,283	80	-608	55,674	372		223	4,421	6	-49	4,372	29		
Jun-2019	4,743	61,026	85	-694	60,332	403		290	4,711	7	-56	4,655	31		
Jul-2019	6,561	67,587	93	-786	66,800	446		402	5,113	7	-63	5,050	34		
Aug-2019	5,994	73,581	102	-889	72,692	486		367	5,480	8	-71	5,409	36		
Sep-2019	6,350	79,931	112	-1,000	78,931	527		389	5,868	8	-79	5,789	39		
Oct-2019	5,363	85,294	121	-1,121	84,172	562		328	6,197	9	-88	6,108	41		
Nov-2019	347	85,641	129	-1,251	84,390	564		21	6,218	9	-98	6,120	41		
Dec-2019	4,639	90,279	130	-1,381	88,899	594		284	6,502	9	-107	6,395	43		
Jan-2020	2,740	93,019	137	-1,517	91,502	611		168	6,669	10	-117	6,553	44		
Feb-2020	2,732	95,751	141	-1,658	94,093	629		167	6,837	10	-127	6,710	45		
Mar-2020	2,457	98,208	145	-1,804	96,404	322		150	6,987	10	-137	6,850	23		
	$49,632		$1,349		75,155	$6,025	$7,374	$3,037		$100		5,558	$446	$546	$546
Miles	50							3							
Feet	264,000							15,840							
Unit Cost per Foot	$188							$196	$196 over cap - limit to $192						
2% Cap on Unit Cost	$192							$192	2% Cap on Unit Cost						

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 15
Page 3 of 7

Niagara Mohwak Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Safety and Reliability Surcharge (GSRS)
Example of Recovery of Incremental Leak Prone Pipe (LPP) Replacement Costs
($000s)

	[----------RATE ALLOWANCE----------]							[----------EXAMPLE FOR ILLUSTRATIVE PURPOSES----------]							
	Rate Allowance - 50 Miles Replacement at $192 Average Unit Cost							Example of 5 Incremental Miles at $187 Average Unit Cost							
	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 7.99% (Note 3) (f)	Total Revenue Require-ment (g) (c)+(f)	Capital Expend. Closes To Plant In-Service (Note 1) (i)	Plant Balance (j)	Depreciation Expense 1.82% (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (m) (j) + (l)	Pre - Tax WACC 7.99% (Note 3) (n)	Total Revenue Require-ment (o) (k)+(n)	Maximum Amount Subject to Surcharge (Note 4)
FY 2021															
Mar-2020		98,208		-1,804	96,404	322			6,987		-137	6,850	23		
Apr-2020	4,157	102,365	149	-1,952	100,413	668		405	7,392	11	-148	7,244	48		
May-2020	3,713	106,079	155	-2,108	103,971	692		362	7,753	11	-159	7,594	51		
Jun-2020	4,844	110,923	161	-2,268	108,654	723		472	8,225	12	-171	8,054	54		
Jul-2020	6,700	117,623	168	-2,437	115,187	767		653	8,878	12	-183	8,695	58		
Aug-2020	6,121	123,745	178	-2,615	121,130	806		596	9,474	13	-197	9,277	62		
Sep-2020	6,485	130,230	188	-2,802	127,428	848		632	10,106	14	-211	9,895	66		
Oct-2020	5,477	135,707	197	-3,000	132,707	883		533	10,639	15	-226	10,413	69		
Nov-2020	355	136,061	206	-3,206	132,856	884		35	10,674	16	-243	10,431	69		
Dec-2020	4,737	140,799	206	-3,412	137,387	914		461	11,135	16	-259	10,876	72		
Jan-2021	2,798	143,597	213	-3,625	139,972	931		273	11,408	17	-276	11,132	74		
Feb-2021	2,790	146,387	218	-3,843	142,544	949		272	11,679	17	-293	11,386	76		
Mar-2021	2,509	148,896	222	-4,065	144,831	482		244	11,924	18	-311	11,613	39		
	$50,688		$2,261		123,572	$9,869	$12,130	$4,937		$173		9,519	$760	$934	$934
Miles	50							5							
Feet	264,000							26,400							
Unit Cost per Foot	$192							$187 ok, under cap							
2% Cap on Unit Cost	$196							$196 2% Cap on Unit Cost							

Notes and Assumptions:
1) LPP replacement capital expenditures in base rates total $48.576 million (50 miles) in FY 2019, $49.632 (50 miles) million in FY 2020 and $50.688 million (50 miles) in FY 2021.
Revenue requirement assumes capital expenditures are placed in-service in the month spent.
2) Depreciation is based on the composite depreciation rate for mains and services based on 12/31/2016 plant balances.
3) Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
4) The unit costs are capped at the lesser of the average capital replacement cost per mile of proactive LPP in the applicable rate year or 102% of the capital unit cost allowances for LPP replacement in the applicable rate year.
5) The FY 2019 incremental mileage spend will be rolled forward to the FY 2020 and FY 2021 surcharges, calculating a return on the net plant investment and associated depreciation expense.
6) The FY 2020 incremental mileage spend will be rolled forward to the FY 2021 surcharge, calculating a return on the net plant investment and associated depreciation expense.

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 15
Page 4 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Safety and Reliability Surcharge
Recovery of Incremental Leak Repair Costs
($000's)

Example of Incremental Leak Repairs Above Rate Plan	CY 2018	CY 2019	CY 2020
Leak Repairs - Year End Target	925	850	700
Actual Year End Leak Inventory - Example	865	675	425
Incremental Leaks Repaired	60	175	275
Recovery of Incremental Leak Repair Costs:			
Maximum Incremental Limit per Year Subject to Recovery	250	250	250
Incremental Leaks Subject to Recovery	50	150	250
Average Per Unit Repair Cost Rate Allowance	$4,947	$5,075	$5,200
Total incremental Cost Subject to Recovery	$247,374	$761,262	$1,300,033

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of Net Utility Plant Reconciliation Mechanism when GSRS - LPP Cost Recovery is Applicable
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism
($000's)

Example 1

Net Plant/Depreciation Tracker	Under	Net Utility Plant Regulatory Liability Required
GSRS - LPP Cost Recovery	Yes	LPP Surcharge applied to FY 2019 and FY 2020 only

1) Assume all other components of net plant forecast results are lower than forecast allowed in rates, in addition to LPP surcharge being applicable:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including 50 miles of LPP	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$1,622,639,644	$1,730,082,381	$1,856,074,702	$1,621,639,644	$1,728,082,381	$1,853,074,702	($1,000,000)	($2,000,000)	($3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$130,875,361	$138,676,204	$148,218,401	$130,794,705	$138,515,892	$147,978,834	($80,656)	($160,312)	($239,568)
Depreciation	$52,572,357	$55,163,794	$58,098,518	$52,551,357	$55,121,794	$58,035,518	($21,000)	($42,000)	($63,000)
Total Net Plant/Depreciation Revenue Requirement	$183,447,718	$193,839,998	$206,316,919	$183,346,062	$193,637,686	$206,014,352	($101,656)	($202,312)	($302,568)
LPP Cost Recovery based on Net Utility Plant/ Depreciation			N/A	N/A	N/A	N/A			
LPP Average Net Plant	$2,186,411	$5,558,073	$0				($2,186,411)	($5,558,073)	$0
Pre-Tax Return %	8.07%	8.02%	7.99%				8.07%	8.02%	7.99%
Return on Ratebase	$176,347	$445,512	$0				($176,347)	($445,512)	$0
LPP Depreciation	$36,996	$100,295	$0				($36,996)	($100,295)	$0
LPP Net Plant/Depreciation Revenue Requirement	$213,343	$545,807	$0				($213,343)	($545,807)	$0
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	$183,661,060	$194,385,805	$206,316,919	$183,346,062	$193,637,686	$206,014,352	($314,998)	($748,119)	($302,568)
Total Net Plant Tracker Regulatory Liability							($314,998)	($748,119)	($302,568)

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 15
Page 6 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of Net Utility Plant Reconciliation Mechanism when GSRS - LPP Cost Recovery is Applicable
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism
($000's)

Example 2

Net Plant/Depreciation Tracker	Over in FY 2019	Do Not Record Net Utility Plant Regulated Asset - One Way Downward Tracker
	Under in FY 2020	Net Utility Plant Regulatory Liability Required
	Over in FY 2021	LPP Surcharge causes Net Plant Tracker to be under in FY21 requiring a Regulatory Liability
GSRS - LPP Cost Recovery	Yes	LPP Surcharge applied to all FY's

1) Assume all other components of net plant forecast results are lower than forecast allowed in rates, in addition to LPP surcharge being applicable:

	Forecast Allowed in Rates			Assumed Actual Results			Difference - Regulatory Asset/(Liability)		
Total Net Utility Plant/ Depreciation including 50 miles of LPP	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021	FY2019	FY2020	FY2021
Average Net Plant	$1,622,639,644	$1,730,082,381	$1,856,074,702	$1,625,639,644	$1,728,082,381	$1,861,074,702	$3,000,000	($2,000,000)	$5,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%	8.07%	8.02%	7.99%
Return on Ratebase	$130,875,361	$138,676,204	$148,218,401	$131,117,328	$138,515,892	$148,617,681	$241,968	($160,312)	$399,279
Depreciation	$52,572,357	$55,163,794	$58,098,518	$52,635,357	$55,121,794	$58,203,518	$63,000	($42,000)	$105,000
Total Net Plant/Depreciation Revenue Requirement	$183,447,718	$193,839,998	$206,316,919	$183,752,685	$193,637,686	$206,821,199	$304,968	($202,312)	$504,279
LPP Cost Recovery based on Net Utility Plant/ Depreciation				N/A	N/A	N/A			
LPP Average Net Plant	$2,186,411	$5,558,073	$9,519,095				($2,186,411)	($5,558,073)	($9,519,095)
Pre-Tax Return %	8.07%	8.02%	7.99%				8.07%	8.02%	7.99%
Return on Ratebase	$176,347	$445,512	$760,155				($176,347)	($445,512)	($760,155)
LPP Depreciation	$36,996	$100,295	$173,339				($36,996)	($100,295)	($173,339)
LPP Net Plant/Depreciation Revenue Requirement	$213,343	$545,807	$933,495				($213,343)	($545,807)	($933,495)
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	$183,661,060	$194,385,805	$207,250,414	$183,752,685	$193,637,686	$206,821,199	$91,625	($748,119)	($429,215)
Total Net Plant Tracker Regulatory Liability							$0	($748,119)	($429,215)

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 15
Page 7 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral Example of Leak Prone Pipe (LPP) Productivity Incentive Positive Revenue Adjustment (PRA)
Using a 1.5% Savings Tier

INCENTIVE THRESHOLDS

		Base	FY 2019 Main Replacement Unit Cost Incentive Mechanism					
			Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	FY 2019	$ 184	$184 > $181	<= $181 > $178	<= $178 > $176	<= $176 > $173	<= $173 > $170	<= $170
Savings From Base			0.00% < 1.50%	>= 1.5% < 3.00%	>= 3.00% < 4.50%	>= 4.50% < 6.00%	>= 6.00% < 7.50%	>= 7.50%
Positive Incentive Pre-Tax Basis Point (BP)			0	2	4	6	8	10
Estimate of one BP	$ 80,045			$160,091	$320,182	$480,273	$640,363	$ 800,454

		Base	FY 2020 Main Replacement Unit Cost Incentive Mechanism					
			Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	FY 2020	$ 188	$188 > $185	<= $185 > $182	<= $182 > $180	<= $180 > $177	<= $177 > $174	<= $174
Savings From Base			0.00% < 1.50%	>= 1.5% < 3.00%	>= 3.00% < 4.50%	>= 4.50% < 6.00%	>= 6.00% < 7.50%	>= 7.50%
Positive Incentive Pre-Tax Basis Point (BP)			0	2	4	6	8	10
Estimate of one BP	$ 85,983			$171,967	$343,933	$515,900	$687,866	$ 859,833

		Base	FY 2021 Main Replacement Unit Cost Incentive Mechanism					
			Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	FY 2021	$ 192	$ 192 > $189	<= $189 > $186	<= $186 > $183	<= $183 > $180	<= $180 > $178	<= $178
Savings From Base			0.00% < 1.50%	>= 1.5% < 3.00%	>= 3.00% < 4.50%	>= 4.50% < 6.00%	>= 6.00% < 7.50%	>= 7.50%
Positive Incentive Pre-Tax Basis Point (BP)			0	2	4	6	8	10
Estimate of one BP	$ 93,044			$186,088	$372,176	$558,264	$744,352	$ 930,440

EXAMPLE FOR ILLUSTRATIVE PURPOSES:

	FY 2019	FY 2020	FY 2021
Actual Unit Cost	$ 187	$ 187	$ 187
Savings From Base	N/A	N/A	2.60%
Positive Incentive Basis Point (BP)			2
Estimate of Basis Point PRA Deferral from Customers	0	0	$186,088

Unit costs for purpose of LPP Productivity Incentive will be calculated by dividing Niagara Mohawk's actual costs for proactive LPP removals by the total number of LPP feet removed from service through Niagara Mohawk's proactive main replacement program in the relevant Rate Year.

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 16
Page 1 of 3

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral Example of Leak Prone Pipe (LPP) Replacement Incentive Positive Revenue Adjustment (PRA)

	CY 2018	CY 2019	Cumulative CY 2020
Total LPP Removal Target - Miles	50	50	150
Example of Miles Removed	54	53	163
Incentive Threshold - Miles	50	50	150
Miles Eligible for Incentive	4	3	6
Basis Points Allowed - 2 per Eligible Mile, up to 10 Max	8	6	10
Estimate of One Basis Point	$80,045	$85,983	$93,044
Estimate of Basis Point PRA	$640,363	$515,900	$930,440

Niagara Mohawk Power Corporation d/b/a National Grid
Gas Safety and Reliability Surcharge
Defferal Example of Leak Repair Incentive Positive Revenue Adjustment (PRA)
($000's)

Example of Incremental Leak Repairs Above Rate Plan

	CY 2018	CY 2019	CY 2020
Leak Repairs - Year End Target	925	850	700
Actual Year End Leak Inventory - Example	865	675	425
Incremental Leaks Repaired	60	175	275

Leak Repair Incentive PRA:

Basis Point (BP) Limited to One BP for each 50 Leaks Repaired (Maximum of Five BP per Year)	1	3	5
Estimate of One Basis Point	$80,045	$85,983	$93,044
Estimate of Basis Point PRA to be included in GSRS	$80,045	$257,950	$465,220

Basis Point determination in above example assumes NMPC achieves both components of the annual backlog reduction targets.

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism
Revenue Requirement Target
For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

Rate Year Ending March 31, 2019

	Total Revenue Requirement Target	Gas Revenue Requirement Return (a)	Gas Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		$ 1,896,720	$ 5,976,601
Total Revenue Requirement Target	$ 7,873,321	$ 1,896,720	$ 5,976,601
*Estimated Actual Results		$ 1,989,513	$ 6,042,432
Total Revenue Requirement Actuals	$ 8,031,945	$ 1,989,513	$ 6,042,432
Actuals higher/(lower) than Target	$ 158,624		

Rate Year Ending March 31, 2020

	Total Revenue Requirement Target	Gas Revenue Requirement Return (a)	Gas Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		$ 2,421,667	$ 7,642,245
Total Revenue Requirement Target	$ 10,063,912	$ 2,421,667	$ 7,642,245
*Estimated Actual Results		$ 2,350,000	$ 7,450,000
Total Revenue Requirement Actuals	$ 9,800,000	$ 2,350,000	$ 7,450,000
Actuals higher/(lower) than Target	$ (263,912)		

Rate Year Ending March 31, 2021

	Total Revenue Requirement Target	Gas Revenue Requirement Return (a)	Gas Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		$ 2,936,598	$ 9,596,677
Total Revenue Requirement Target	$ 12,533,274	$ 2,936,598	$ 9,596,677
*Estimated Actual Results		$ 3,050,000	$ 9,680,000
Total Revenue Requirement Actuals	$ 12,730,000	$ 3,050,000	$ 9,680,000
Actuals higher/(lower) than Target	$ 196,726		

3 Year Cumulative Revenue Requirement Actuals	$ 30,561,945
3 Year Cumulative Revenue Requirement Target	$ 30,470,507
3 Year Cumulative Actuals higher/(lower) than Target	$ 91,438

Note: Downward only reconciliation - no amounts due from customer if actuals are higher than target
*Actual Revenue Requirement results will be calculated using the SC Rent Model

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance at Fiscal Year End (FY19)	Adjusted Forecasted Balance at Fiscal Year End (FY19)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
													4/1/2018	3/31/2019		8.0710%	5210G		
1	Cloud Security	Cyber Security	3683	G020	$ 1,460,000	$ -	$ 1,460,000	$ 1,460,000	0.0%	$ 1,460,000	3/31/2018	84	$1,460,000	$1,251,429	$1,355,714	8.0710%	4.58%	$ 3,642	$ 9,553
2	Risk Based Authentication - 2FA token alternative	Cyber Security	3683	G020	$ -	$ 235,080	$ 235,080	$ 235,080	0.0%	$ 235,080	6/1/2018	84	$0	$207,094	$103,547	8.0710%	4.58%	$ 159	$ 1,282
3	INVP 3614D1 Ent Network Security	Cyber Security	3614D1	G020	$ 9,674,142	$ -	$ 9,674,142	$ 9,674,142	0.0%	$ 9,674,142	11/30/2017	84	$9,213,469	$7,831,449	$8,522,459	8.0710%	4.58%	$ 22,897	$ 63,297
4	Threat Behavior Modeling	Cyber Security	3683	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	7/1/2018	84	$0	$714,286	$357,143	8.0710%	4.58%	$ 556	$ 3,926
5	Identity & Access Management Role Base Access Management (RBAC)	Cyber Security	3683	G020	$ -	$ 1,650,000	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	6/1/2018	84	$0	$1,453,571	$726,786	8.0710%	4.58%	$ 1,119	$ 8,996
6	Enhanced DLP Gateway and Endpoint	Cyber Security	3683	G020	$ -	$ 2,238,480	$ 2,238,480	$ 2,238,480	0.0%	$ 2,238,480	10/1/2018	84	$0	$2,078,589	$1,039,294	8.0710%	4.58%	$ 1,662	$ 7,323
7	INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020	$ 4,829,586	$ -	$ 4,829,586	$ 4,829,586	0.0%	$ 4,829,586	12/31/2017	84	$4,657,301	$3,967,160	$4,312,130	8.0710%	4.58%	$ 11,585	$ 31,599
8	INVP 3614E4 US CNI Security I&E	Cyber Security	3614E4	G020	$ 1,340,144	$ -	$ 1,340,144	$ 1,340,144	0.0%	$ 1,340,144	12/31/2017	84	$1,292,282	$1,100,833	$1,196,557	8.0710%	4.58%	$ 3,215	$ 8,768
9	US CNI Intrusion Detection/Prevention Phase 1	Cyber Security	3683	G020	$ 80,409	$ 469,591	$ 550,000	$ 550,000	0.0%	$ 550,000	7/31/2018	84	$0	$497,619	$248,810	8.0710%	4.58%	$ 391	$ 2,399
10	Identity & Access Management: Fine Grain Access Management	Cyber Security	3683	G020	$ 241,228	$ 1,408,772	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	8/31/2018	84	$0	$1,512,500	$756,250	8.0710%	4.58%	$ 1,199	$ 6,298
11	vStigScaling Upgrades	Cyber Security	3683	G020	$ 146,199	$ 853,801	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	8/1/2018	84	$0	$904,762	$452,381	8.0710%	4.58%	$ 710	$ 4,362
12	IT/OT Discovery and Implementation Phase 1	Cyber Security	3683	G020	$ 482,456	$ 4,741,561	$ 5,224,017	$ 5,224,017	0.0%	$ 5,224,017	6/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
13	Security Research Lab	Cyber Security	3683	G020	$ 47,515	$ 250,305	$ 297,820	$ 297,820	0.0%	$ 297,820	6/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
14	US CNI Security Enhancements Phase 1	Cyber Security	3683	G020	$ 241,228	$ 1,270,780	$ 1,512,008	$ 1,512,008	0.0%	$ 1,512,008	6/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
15	Identity & Access Management: Privileged Access Management	Cyber Security	3683	G020	$ -	$ 1,740,000	$ 1,740,000	$ 1,740,000	0.0%	$ 1,740,000	3/31/2019	84	$0	$1,740,000	$870,000	8.0710%	4.58%	$ 1,459	$ -
16	Domain Based Security Phase 1	Cyber Security	3683	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2019	84	$0	$800,000	$400,000	8.0710%	4.58%	$ 671	$ -
17	Security Incident Event Management Phase 4	Cyber Security	3683	G020	$ -	$ 1,120,783	$ 1,120,783	$ 1,120,783	0.0%	$ 1,120,783	5/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
18	Big Data Security Analytics Phase 1	Cyber Security	3683	G020	$ -	$ 4,090,466	$ 4,090,466	$ 4,090,466	0.0%	$ 4,090,466	5/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
19	US CNI Intrusion Detection/Prevention Phase 2	Cyber Security	3683	G020	$ -	$ 269,465	$ 269,465	$ 269,465	0.0%	$ 269,465	3/31/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
20	Identity & Access Management: Shared Area Access Management	Cyber Security	3683	G020	$ -	$ 586,086	$ 586,086	$ 586,086	0.0%	$ 586,086	3/31/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
21	Security Incident Event Management Phase 5	Cyber Security	3683	G020	$ -	$ 246,948	$ 246,948	$ 246,948	0.0%	$ 246,948	5/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
22	Domain Based Security Phase 2	Cyber Security	3683	G020	$ -	$ 1,400,000	$ 1,400,000	$ 1,400,000	0.0%	$ 1,400,000	4/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
23	Security Incident Event Management (SIEM) 6	Cyber Security	3683	G020	$ -	$ 246,948	$ 246,948	$ 246,948	0.0%	$ 246,948	5/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
24	Big Data Security Analytics - Phase 2	Cyber Security	3683	G020	$ -	$ 500,000	$ 500,000	$ 500,000	0.0%	$ 500,000	5/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
25	IT/OT Discovery and Implementation: Phase 2	Cyber Security	3683	G020	$ -	$ -	$ -	$ -	0.0%	$ -	10/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
26	US CNI Security Enhancements - Phase 2	Cyber Security	3683	G020	$ -	$ -	$ -	$ -	0.0%	$ -	11/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
27	Data Visualization	Cyber Security	3683	G020	$ -	$ -	$ -	$ -	0.0%	$ -	12/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
28	INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	C277	$ -	$ -	$ -	$ -	0.0%	$ -	5/26/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
29	INVP 4045 Double Pole Mgmt DB	FY18 Plan	4045	G198	$ 432,455	$ -	$ 432,455	$ 432,455	0.0%	$ 432,455	3/4/2017	84	$365,527	$303,748	$334,638	8.0710%	0.00%	$ -	$ -
30	INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	G020	$ 259,667	$ -	$ 259,667	$ 259,667	0.0%	$ 259,667	2/20/2017	84	$219,481	$182,385	$200,933	8.0710%	4.58%	$ 559	$ 1,699
31	INVP 3955 EJ Ward Upgrade	FY18 Plan	3955	G235	$ -	$ -	$ -	$ -	0.0%	$ -	3/7/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
32	INVP 4188 Aging System Stabilize	FY18 Plan	4188	G148	$ 854,204	$ -	$ 854,204	$ 854,204	0.0%	$ 854,204	12/1/2017	84	$813,527	$691,498	$752,513	8.0710%	4.83%	$ 2,132	$ 5,894
33	INVP 4280 US VSTIG Bandwidth Ph2	FY18 Plan	4280	G020	$ 2,256,401	$ -	$ 2,256,401	$ 2,256,401	0.0%	$ 2,256,401	12/1/2017	84	$2,148,953	$1,826,630	$1,987,781	8.0710%	4.58%	$ 5,340	$ 14,763
34	INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	G020	$ 13,464,281	$ -	$ 13,464,281	$ 13,464,281	0.0%	$ 13,464,281	7/31/2017	84	$12,181,969	$10,258,500	$11,220,235	8.0710%	4.58%	$ 33,166	$ 88,095
35	INVP 4364 Wireless Network	FY18 Plan	4364	G020	$ 2,303,959	$ -	$ 2,303,959	$ 2,303,959	0.0%	$ 2,303,959	3/31/2018	84	$2,303,959	$1,974,822	$2,139,390	8.0710%	4.58%	$ 5,748	$ 15,074
36	S005242 M112 Systemic Improvement	FY18 Plan		G020	$ 8,275,650	$ -	$ 8,275,650	$ 8,275,650	0.0%	$ 8,275,650	12/1/2017	120	$7,999,795	$7,172,230	$7,586,012	8.0710%	4.58%	$ 20,381	$ 37,902
37	INVP 4289 US Network Improvement	FY18 Plan	4289	G020	$ 1,336,479	$ -	$ 1,336,479	$ 1,336,479	0.0%	$ 1,336,479	12/1/2017	84	$1,272,837	$1,081,912	$1,177,375	8.0710%	4.58%	$ 3,163	$ 8,744
38	HANA License Costs	FY18 Plan	4649	G020	$ 3,826,068	$ -	$ 3,826,068	$ 3,826,068	0.0%	$ 3,826,068	3/31/2017	84	$3,279,487	$2,732,906	$3,006,197	8.0710%	4.58%	$ 8,506	$ 25,033
39	Microsoft ELA Renewal	FY18 Plan	4642	G020	$ 3,207,476	$ -	$ 3,207,476	$ 3,207,476	0.0%	$ 3,207,476	3/31/2017	84	$2,749,265	$2,291,054	$2,520,159	8.0710%	4.58%	$ 7,131	$ 20,986
40	Mobile Device Refresh - FY17	FY18 Plan	4671	G020	$ 4,138,561	$ -	$ 4,138,561	$ 4,138,561	0.0%	$ 4,138,561	3/31/2017	84	$3,547,338	$2,956,115	$3,251,726	8.0710%	4.58%	$ 9,201	$ 27,078
41	Zscaler	FY18 Plan	4681	G020	$ 1,100,000	$ 1,000,000	$ 2,100,000	$ 2,100,000	0.0%	$ 2,100,000	4/1/2018	84	$2,100,000	$1,800,000	$1,950,000	8.0710%	4.58%	$ 5,239	$ 13,740
42	INVP 2577C ArcFM Software Upgrade	FY18 Plan	2577C	G112	$ -	$ -	$ -	$ -	0.0%	$ -	4/10/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
43	INVP 4631 Box Enablement	FY18 Plan	4631	G020	$ 254,000	$ -	$ 254,000	$ 254,000	0.0%	$ 254,000	3/31/2018	84	$254,000	$217,714	$235,857	8.0710%	4.58%	$ 634	$ 1,662
44	INVP 4170 Time Transformation	FY18 Plan	4170	G020	$ 2,676,143	$ -	$ 2,676,143	$ 2,676,143	0.0%	$ 2,676,143	4/30/2017	84	$2,325,695	$1,943,389	$2,134,542	8.0710%	4.58%	$ 6,335	$ 17,510
45	INVP 4420 US CNI OMS FocalPoint Infrastructure Upgrade	FY18 Plan	4420	G198	$ 705,521	$ -	$ 705,521	$ 705,521	0.0%	$ 705,521	5/23/2017	84	$621,530	$520,742	$571,136	8.0710%	0.00%	$ -	$ -
46	INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G020	$ 608,000	$ -	$ 608,000	$ 608,000	0.0%	$ 608,000	3/31/2018	84	$608,000	$521,143	$564,571	8.0710%	4.58%	$ 1,517	$ 3,978
47	US Video Conferencing upgrade for RW	FY18 Plan	4632	G020	$ 1,702,730	$ -	$ 1,702,730	$ 1,702,730	0.0%	$ 1,702,730	7/31/2017	84	$1,540,565	$1,297,318	$1,418,942	8.0710%	4.58%	$ 4,194	$ 11,141
48	Hix D/C Improvement Server Refresh	FY18 Plan	4676	G020	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	3/31/2018	84	$1,000,000	$857,143	$928,571	8.0710%	4.58%	$ 2,495	$ 6,543
49	INVP 4464 Data Visualization	FY18 Plan	4464	G020	$ 7,067,413	$ -	$ 7,067,413	$ 7,067,413	0.0%	$ 7,067,413	11/30/2017	84	$6,730,870	$5,721,239	$6,226,055	8.0710%	4.58%	$ 16,727	$ 46,241
50	Mobility - (MDM) Mobile Device	FY18 Plan	3430	G020	$ 1,162,000	$ -	$ 1,162,000	$ 1,162,000	0.0%	$ 1,162,000	2/1/2018	84	$1,134,333	$968,133	$1,051,333	8.0710%	4.58%	$ 2,825	$ 7,603
51	Changes to ACIS for PMCC Civil Vendor Billing	FY18 Plan	4487	G186	$ 382,000	$ -	$ 382,000	$ 382,000	0.0%	$ 382,000	12/2/2017	84	$363,810	$309,238	$336,524	8.0710%	0.00%	$ -	$ -
52	INVP 4461 Unix51 Interface Migration	FY18 Plan	4461	G020	$ 1,386,701	$ -	$ 1,386,701	$ 1,386,701	0.0%	$ 1,386,701	3/1/2018	84	$1,370,393	$1,172,093	$1,271,143	8.0710%	4.58%	$ 3,415	$ 9,073
53	INVP 4287 Active Directory Upgrade	FY18 Plan	4287	G020	$ 804,825	$ -	$ 804,825	$ 804,825	0.0%	$ 804,825	1/30/2018	84	$785,663	$670,688	$728,175	8.0710%	4.58%	$ 1,956	$ 5,266
54	US Control-Gas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480	G230	$ 79,240	$ 417,432	$ 496,672	$ 496,672	0.0%	$ 496,672	5/1/2019	84	$0	$0	$0	8.0710%	12.44%	$ -	$ -
55	Enterprise Labs	FY18 Plan	4693	G020	$ 668,000	$ -	$ 668,000	$ 668,000	0.0%	$ 668,000	10/30/2017	84	$628,238	$532,830	$580,524	8.0710%	4.58%	$ 1,560	$ 4,371
56	Cascade Electric Application Upgrade Project	FY18 Plan	3986	G198	$ 375,000	$ -	$ 375,000	$ 375,000	0.0%	$ 375,000	10/31/2017	84	$352,679	$299,107	$325,893	8.0710%	0.00%	$ -	$ -
57	INVP 4408 Doc Mgmt Systems Replacement Delivery	FY18 Plan	4408	G149	$ 3,855,044	$ -	$ 3,855,044	$ 3,855,044	0.0%	$ 3,855,044	11/1/2017	84	$3,625,577	$3,074,886	$3,350,217	8.0710%	4.61%	$ 9,060	$ 25,388
58	WIFI for Fleet Services Diagnostic Laptops	FY18 Plan	3956	G352	$ 838,000	$ -	$ 838,000	$ 838,000	0.0%	$ 838,000	11/1/2017	84	$788,119	$668,405	$728,262	8.0710%	4.63%	$ 1,978	$ 5,543
59	Gas Service Database - UNY	FY18 Plan	3949	5210G	$ 325,000	$ -	$ 325,000	$ 325,000	0.0%	$ 325,000	12/1/2017	84	$309,524	$263,095	$286,310	8.0710%	100.00%	$ 16,795	$ 46,429
60	Gas Service Database - DNY (LI and NYC)	FY18 Plan	3948	G225	$ -	$ -	$ -	$ -	0.0%	$ -	12/4/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
61	Substation Monitoring-DobleARMS	FY18 Plan	3982	G381	$ -	$ -	$ -	$ -	0.0%	$ -	1/1/2018	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
62	Gas Capital Investment Planning Tool	FY18 Plan	4466	G230	$ 83,626	$ 440,537	$ 524,163	$ 524,163	0.0%	$ 524,163	9/1/2019	84	$0	$0	$0	8.0710%	12.44%	$ -	$ -
63	Compustapole Enhancements to Support Inspection Types	FY18 Plan	4462	G186	$ 65,789	$ 346,576	$ 412,366	$ 412,366	0.0%	$ 412,366	9/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
64	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	G020	$ 180,117	$ 948,849	$ 1,128,966	$ 1,128,966	0.0%	$ 1,128,966	9/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
65	Ageing System Stabilization/Upgrades - FY18	FY18 Plan	4389	G148	$ 219,298	$ 1,155,255	$ 1,374,553	$ 1,374,553	0.0%	$ 1,374,553	6/30/2019	84	$0	$0	$0	8.0710%	4.83%	$ -	$ -
66	INVP 3486 US MDS-Iron Enterprise Edition (IEE)	FY18 Plan	3486	G186	$ 758,544	$ -	$ 758,544	$ 758,544	0.0%	$ 758,544	3/31/2018	84	$758,544	$650,180	$704,362	8.0710%	0.00%	$ -	$ -
67	INVP 4390 Plastic Fusion II	FY18 Plan	4390	G230	$ 506,000	$ -	$ 506,000	$ 506,000	0.0%	$ 506,000	3/31/2018	84	$506,000	$433,714	$469,857	8.0710%	12.44%	$ 3,429	$ 8,992
68	INVP 4397 Aniba TLS and CI Update	FY18 Plan	4397	G020	$ 1,602,226	$ -	$ 1,602,226	$ 1,602,226	0.0%	$ 1,602,226	3/31/2018	120	$1,602,226	$1,442,003	$1,522,114	8.0710%	4.58%	$ 4,089	$ 7,338
69	US Mobile Device Refresh	FY18 Plan	4395	G020	$ 4,500,000	$ -	$ 4,500,000	$ 4,500,000	0.0%	$ 4,500,000	3/31/2018	84	$4,500,000	$3,857,143	$4,178,571	8.0710%	4.58%	$ 15,446	$ 29,443
70	US SAP: Infrastructure Landscape	FY18 Plan	4348	G020	$ 4,142,700	$ -	$ 4,142,700	$ 4,142,700	0.0%	$ 4,142,700	3/31/2018	84	$4,142,700	$3,550,886	$3,846,793	8.0710%	4.58%	$ 10,335	$ 27,105
71	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ 9,207,521	$ -	$ 9,207,521	$ 9,207,521	0.0%	$ 9,207,521	3/31/2018	84	$9,207,521	$7,892,161	$8,549,841	8.0710%	0.00%	$ -	$ -
72	US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	4568	U186	$ 3,213,537	$ -	$ 3,213,537	$ 3,213,537	0.0%	$ 3,213,537	3/31/2018	84	$3,213,537	$2,754,461	$2,983,999	8.0710%	0.00%	$ -	$ -
73	Network Transformation Completion - CEMS	FY18 Plan	4647	G020	$ 36,550	$ 167,542	$ 204,092	$ 204,092	0.0%	$ 204,092	5/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
74	Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020	$ 675,000	$ -	$ 675,000	$ 675,000	0.0%	$ 675,000	3/31/2018	84	$675,000	$578,571	$626,786	8.0710%	4.58%	$ 1,684	$ 4,416
75	Aged Printer refresh	FY18 Plan	4689	G020	$ 45,000	$ -	$ 45,000	$ 45,000	0.0%	$ 45,000	3/31/2018	84	$45,000	$38,571	$41,786	8.0710%	4.58%	$ 112	$ 294

Case 17-G-0239
Appendix 6
Schedule 17
Page 2 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance at Fiscal Year End (FY19)	Adjusted Forecasted Balance at Fiscal Year End (FY19)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
													4/1/2018	3/31/2019		8.0710%	5210G		
76	RSA Token refresh	FY18 Plan	4683	G020	$ 536,718	$ -	$ 536,718	$ 536,718	0.0%	$ 536,718	3/31/2017	84	$460,044	$383,370	$421,707	8.0710%	4.58%	$ 1,193	$ 3,512
77	Load and DER Forecasting (Acquisition of Remote Sensing Data - Mass)	FY18 Plan	4670	C130	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
78	INVP4449 - EPA File	FY18 Plan	4449	C170	$ 630,000	$ -	$ 630,000	$ 630,000	0.0%	$ 630,000	3/31/2018	84	$630,000	$540,000	$585,000	8.0710%	14.88%	$ 5,106	$ 13,392
79	Informatica Upgrade/Microstrategy Replacement Program	FY18 Plan	4469	G020	$ 2,012,928	$ 1,151,472	$ 3,164,400	$ 3,164,400	0.0%	$ 3,164,400	5/1/2018	84	$0	$2,750,034	$1,375,007	8.0710%	4.58%	$ 2,096	$ 18,979
80	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	FY18 Plan	3932	C175	$ 13,292,340	$ 10,273,671	$ 23,566,011	$ 23,566,011	0.0%	$ 23,566,011	8/31/2018	84	$0	$21,602,177	$10,801,088	8.0710%	8.6%	$ 32,334	$ 169,885
81	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	FY18 Plan	4481	G186	$ -	$ 654,799	$ 654,799	$ 654,799	0.0%	$ 654,799	5/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
82	INVP 4398 Stoms/iSched Upgrade	FY18 Plan	4398	G160	$ 7,683,338	$ 1,276,942	$ 8,960,280	$ 8,960,280	0.0%	$ 8,960,280	12/15/2018	84	$0	$8,640,270	$4,320,135	8.0710%	7.1%	$ 11,056	$ 22,881
83	General Ledger Interface CRIS SAP	FY18 Plan	4486	C343	$ -	$ -	$ -	$ -	0.0%	$ -	3/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
84	STORMS Capital Cost Estimates	FY18 Plan	4467	G148	$ -	$ 235,243	$ 235,243	$ 235,243	0.0%	$ 235,243	5/1/2019	84	$0	$0	$0	8.0710%	4.83%	$ -	$ -
85	CRIS Data Archival	FY18 Plan	4485	C343	$ -	$ -	$ -	$ -	0.0%	$ -	4/1/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
86	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
87	Inventory Management Handheld Devices	FY18 Plan		G020	$ 129,283	$ -	$ 129,283	$ 129,283	0.0%	$ 129,283	3/31/2017	84	$110,814	$92,345	$101,580	8.0710%	4.58%	$ 287	$ 846
88	Customer Bill Redesign	FY18 Plan	4704Q	H173	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0710%	7.07%	$ -	$ -
89	INVP 3737 US CNI GMS SCADA Upgrade &	FY18 Plan	3737	C230	$ 16,808,477	$ 1,500,000	$ 18,308,477	$ 18,308,477	0.0%	$ 18,308,477	3/31/2020	84	$0	$0	$0	8.0710%	16.89%	$ -	$ -
90	Cisco Prime	FY18 Plan	4679	G020	$ -	$ 216,000	$ 216,000	$ 216,000	0.0%	$ 216,000	5/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
91	Contractor Management Modernization	FY18 Plan	4151	G327	$ -	$ 300,000	$ 300,000	$ 300,000	0.0%	$ 300,000	10/15/2022	84	$0	$0	$0	8.0710%	4.82%	$ -	$ -
92	Risk Management (Tx Mains & Dx Mains)	GBE-Asset Management	4572	C230	$ 2,110,800	$ -	$ 2,110,800	$ 2,110,800	10.0%	$ 1,899,720	12/1/2017	120	$1,836,396	$1,646,424	$1,741,410	8.0710%	16.89%	$ 17,253	$ 32,086
93	AM Program Leadership-1	GBE-Asset Management	4572	C230	$ 277,124	$ -	$ 277,124	$ 277,124	10.0%	$ 249,412	3/1/2018	120	$247,333	$222,392	$234,863	8.0710%	16.89%	$ 2,327	$ 4,213
94	Enhancements	GBE-Asset Management	4572	C230	$ 2,059,930	$ 600,945	$ 2,660,875	$ 2,660,875	10.0%	$ 2,394,788	12/1/2018	120	$0	$2,314,961	$1,157,481	8.0710%	16.89%	$ 7,009	$ 13,483
95	Additional IM Modules	GBE-Asset Management	4572	C230	$ -	$ 604,233	$ 604,233	$ 604,233	10.0%	$ 543,810	2/1/2019	120	$0	$534,746	$267,373	8.0710%	16.89%	$ 1,636	$ 1,531
96	AM Program Leadership-2	GBE-Asset Management	4572	C230	$ -	$ 398,676	$ 398,676	$ 398,676	10.0%	$ 358,808	3/1/2019	120	$0	$355,818	$177,909	8.0710%	16.89%	$ 1,095	$ 505
97	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	GBE-Asset Management	4572	C230	$ 2,426,395	$ 5,983,122	$ 8,409,517	$ 8,409,517	10.0%	$ 7,568,565	3/1/2019	120	$0	$7,505,494	$3,752,747	8.0710%	16.89%	$ 23,087	$ 10,653
98	EAM-FIN Integration	GBE-Asset Management	4572	C230	$ -	$ 979,407	$ 979,407	$ 979,407	10.0%	$ 881,466	6/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
99	Integrity Management Integrations	GBE-Asset Management	4572	C230	$ -	$ 371,868	$ 371,868	$ 371,868	10.0%	$ 334,682	10/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
100	AM Program Leadership-3	GBE-Asset Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
101	Design (GWD), Estimating (CU), & Mobility	GBE-Asset Management	4572	C230	$ -	$ 1,729,295	$ 1,729,295	$ 1,729,295	10.0%	$ 1,556,366	9/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
102	Asset Analytics Integration	GBE-Asset Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	12/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
103	GIS (GWD/CU) - PPM Integration	GBE-Asset Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	12/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
104	GIS-EAM Integration	GBE-Asset Management	4572	C230	$ -	$ 1,250,000	$ 1,250,000	$ 1,250,000	10.0%	$ 1,125,000	12/2/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
105	AM Program Leadership-4	GBE-Asset Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
106	Use Case No.1 - Asset Risk	GBE-Asset Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
107	Complex Design (CAD) & Estimating (ESW)	GBE-Asset Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
108	Program Learning Management-1	GBE-Business Enablement	4572	C230	$ 117,297	$ -	$ 117,297	$ 117,297	10.0%	$ 105,567	3/1/2018	120	$104,687	$94,131	$99,409	8.0710%	16.89%	$ 985	$ 1,783
109	Program Transformational Change Office-1	GBE-Business Enablement	4572	C230	$ 689,043	$ -	$ 689,043	$ 689,043	10.0%	$ 620,139	3/1/2018	120	$614,971	$552,957	$583,964	8.0710%	16.89%	$ 5,786	$ 10,474
110	Program Business Sustainment-1	GBE-Business Enablement	4572	C230	$ -	$ 69,617	$ 69,617	$ 69,617	10.0%	$ 62,655	3/1/2019	120	$0	$62,133	$31,067	8.0710%	16.89%	$ 191	$ 88
111	Program Learning Management-2	GBE-Business Enablement	4572	C230	$ -	$ 130,211	$ 130,211	$ 130,211	10.0%	$ 117,190	3/1/2019	120	$0	$116,213	$58,107	8.0710%	16.89%	$ 357	$ 165
112	Program Transformational Change Office -2	GBE-Business Enablement	4572	C230	$ -	$ 1,516,310	$ 1,516,310	$ 1,516,310	10.0%	$ 1,364,679	3/1/2019	120	$0	$1,353,306	$676,653	8.0710%	16.89%	$ 4,163	$ 1,921
113	Program Learning Management-3	GBE-Business Enablement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
114	Program Transformational Change Office-3	GBE-Business Enablement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
115	Program Business Sustainment-2	GBE-Business Enablement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
116	Program Learning Management-4	GBE-Business Enablement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
117	Program Transformational Change Office-4	GBE-Business Enablement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
118	Customer Experience Program Leadership-1	GBE-Customer Engagement	4572	C230	$ -	$ 260,229	$ 260,229	$ 260,229	10.0%	$ 234,206	3/1/2019	120	$0	$232,254	$116,127	8.0710%	16.89%	$ 714	$ 330
119	CxT Portal & Channel Management	GBE-Customer Engagement	4572	C230	$ -	$ 6,679,688	$ 6,679,688	$ 6,679,688	10.0%	$ 6,011,719	6/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
120	Customer Interaction - First Release	GBE-Customer Engagement	4572	C230	$ -	$ 1,780,471	$ 1,780,471	$ 1,780,471	10.0%	$ 1,602,424	10/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
121	Employee Support Interaction - First Release	GBE-Customer Engagement	4572	C230	$ -	$ 3,871,396	$ 3,871,396	$ 3,871,396	10.0%	$ 3,484,256	10/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
122	Customer Experience Program Leadership-2	GBE-Customer Engagement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
123	CRM / Contact Center	GBE-Customer Engagement	4572	C230	$ -	$ 15,200,000	$ 15,200,000	$ 15,200,000	10.0%	$ 13,680,000	6/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
124	Large Commercial & Landlord Interaction	GBE-Customer Engagement	4572	C230	$ -	$ 15,723	$ 15,723	$ 15,723	10.0%	$ 14,150	7/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
125	Employee Support Interaction - Second Release	GBE-Customer Engagement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	7/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
126	Customer Interaction - Second Release	GBE-Customer Engagement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	1/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
127	Customer Experience Program Leadership-3	GBE-Customer Engagement	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
128	Data Management Implementation (Quality & Cleansing)	GBE-Data Management	4572	C230	$ 11,100,000	$ -	$ 11,100,000	$ 11,100,000	10.0%	$ 9,990,000	12/1/2017	120	$9,657,000	$8,658,000	$9,157,500	8.0710%	16.89%	$ 90,730	$ 168,731
129	Data Management & Governance Program Leadership-1	GBE-Data Management	4572	C230	$ 58,890	$ -	$ 58,890	$ 58,890	10.0%	$ 53,001	3/1/2018	120	$52,559	$47,289	$49,909	8.0710%	16.89%	$ 494	$ 895
130	Enable the Data Archive Process	GBE-Data Management	4572	C230	$ -	$ 2,111,916	$ 2,111,916	$ 2,111,916	10.0%	$ 1,900,724	3/1/2019	120	$0	$1,884,885	$942,442	8.0710%	16.89%	$ 5,798	$ 2,675
131	Data Management & Governance Program Leadership-2	GBE-Data Management	4572	C230	$ -	$ 87,954	$ 87,954	$ 87,954	10.0%	$ 79,159	3/1/2019	120	$0	$78,499	$39,249	8.0710%	16.89%	$ 241	$ 111
132	Data Management & Governance Program Leadership-3	GBE-Data Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
133	PowerPlan Architecture Enhancements	GBE-Information Services Enabling	4572	C230	$ 6,080,111	$ -	$ 6,080,111	$ 6,080,111	10.0%	$ 5,472,100	11/1/2017	120	$5,244,096	$4,696,886	$4,970,491	8.0710%	16.89%	$ 49,246	$ 92,424
134	Comprehensive Integration Services (Enhancements)	GBE-Information Services Enabling	4572	C230	$ 78,624	$ -	$ 78,624	$ 78,624	10.0%	$ 70,762	12/1/2017	120	$68,403	$61,327	$64,865	8.0710%	16.89%	$ 643	$ 1,195
135	Application (Environment) Infrastructure	GBE-Information Services Enabling	4572	C230	$ 2,174,410	$ -	$ 2,174,410	$ 2,174,410	10.0%	$ 1,956,969	12/1/2017	120	$1,891,737	$1,696,040	$1,793,888	8.0710%	16.89%	$ 17,773	$ 33,053
136	Development Operations & BPA Enablement-1	GBE-Information Services Enabling	4572	C230	$ 2,903,920	$ -	$ 2,903,920	$ 2,903,920	10.0%	$ 2,613,528	3/1/2018	120	$2,591,749	$2,330,396	$2,461,072	8.0710%	16.89%	$ 24,384	$ 44,142
137	SAP and Application Integration Development- Release 1-1	GBE-Information Services Enabling	4572	C230	$ 4,765,187	$ -	$ 4,765,187	$ 4,765,187	10.0%	$ 4,288,668	3/1/2018	120	$4,252,929	$3,824,063	$4,038,496	8.0710%	16.89%	$ 40,012	$ 72,436
138	Mobility CoE & End-User Computing-1	GBE-Information Services Enabling	4572	C230	$ 604,790	$ -	$ 604,790	$ 604,790	10.0%	$ 544,311	3/1/2018	120	$539,775	$485,344	$512,559	8.0710%	16.89%	$ 5,078	$ 9,193
139	Operations/System Monitoring	GBE-Information Services Enabling	4572	C230	$ 500,000	$ 557,768	$ 1,057,768	$ 1,057,768	10.0%	$ 951,992	8/1/2018	120	$0	$888,526	$444,263	8.0710%	16.89%	$ 2,629	$ 10,719
140	Development Operations & BPA Enablement-2	GBE-Information Services Enabling	4572	C230	$ -	$ 2,562,011	$ 2,562,011	$ 2,562,011	10.0%	$ 2,305,810	3/1/2019	120	$0	$2,286,595	$1,143,297	8.0710%	16.89%	$ 7,034	$ 3,245
141	SAP and Application Integration Development- Release 1-2	GBE-Information Services Enabling	4572	C230	$ -	$ 4,548,168	$ 4,548,168	$ 4,548,168	10.0%	$ 4,093,351	3/1/2019	120	$0	$4,059,240	$2,029,620	8.0710%	16.89%	$ 12,487	$ 5,761
142	SAP and Application Integration Development- Release 2-1	GBE-Information Services Enabling	4572	C230	$ -	$ 5,055,712	$ 5,055,712	$ 5,055,712	10.0%	$ 4,550,140	3/1/2019	120	$0	$4,512,223	$2,256,111	8.0710%	16.89%	$ 13,880	$ 6,404
143	Mobility CoE & End-User Computing-2	GBE-Information Services Enabling	4572	C230	$ -	$ 920,536	$ 920,536	$ 920,536	10.0%	$ 828,483	3/1/2019	120	$0	$821,578	$410,789	8.0710%	16.89%	$ 2,527	$ 1,166
144	Development Operations & BPA Enablement-3	GBE-Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
145	SAP and Application Integration Development- Release 1-3	GBE-Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
146	SAP and Application Integration Development- Release 2-2	GBE-Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
147	SAP and Application Integration Development- Release 3-1	GBE-Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
148	Mobility CoE & End-User Computing-3	GBE-Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
149	Test Automation Implementation	GBE-Information Services Enabling	4572	C230	$ 490,509	$ 1,034,882	$ 1,525,391	$ 1,525,391	10.0%	$ 1,372,852	12/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
150	Development Operations & BPA Enablement-4	GBE-Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 3 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

													4/1/2018	3/31/2019		8.0710%	5210G		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance at Fiscal Year End (FY19)	Adjusted Forecasted Balance at Fiscal Year End (FY19)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY19)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
151	SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
152	SAP and Application Integration Development- Release 3-2	GBE- Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
153	Mobility CoE & End-User Computing-4	GBE- Information Services Enabling	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
154	Portfolio Management Leadership-1	GBE- Portfolio Office	4572	C230	$ 1,645,919	$ -	$ 1,645,919	$ 1,645919	10.0%	$ 1,481,327	3/1/2018	120	$1,468,983	$1,320,830	$1,394,916	8.0710%	16.89%	$ 13,820	$ 25,020
155	Solution Architects & Agile Coaches-1	GBE- Portfolio Office	4572	C230	$ 1,958,277	$ -	$ 1,958,277	$ 1,958277	10.0%	$ 1,762,449	3/1/2018	120	$1,747,362	$1,571,517	$1,659,640	8.0710%	16.89%	$ 16,443	$ 29,768
156	Portfolio Management Leadership-2	GBE- Portfolio Office	4572	C230	$ -	$ 2,144,482	$ 2,144,482	$ 2,144,482	10.0%	$ 1,930034	3/1/2019	120	$0	$1,913,950	$956,975	8.0710%	16.89%	$ 5,887	$ 2,717
157	Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C230	$ -	$ 3,964,632	$ 3,964,632	$ 3,964,632	10.0%	$ 3,568,169	3/1/2019	120	$0	$3,538,434	$1,769,217	8.0710%	16.89%	$ 10,884	$ 5,022
158	Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
159	Solution Architects & Agile Coaches-3	GBE- Portfolio Office	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
160	Portfolio Management Leadership-4	GBE- Portfolio Office	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
161	Regulatory/ Compliance	GBE- Regulatory and Compliance	4572	C230	$ 750,000	$ 1,500,000	$ 2,250,000	$ 2,250,000	10.0%	$ 2,025,000	9/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
162	Supply Chain Program Leadership	GBE- Supply Chain	4572	C230	$ -	$ 565,045	$ 565,045	$ 565,045	10.0%	$ 508,541	3/1/2019	120	$0	$504,303	$252,151	8.0710%	16.89%	$ 1,551	$ 716
163	Supply Chain Program Leadership	GBE- Supply Chain	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
164	Business Architecture Design	GBE- Work Management	4572	C230	$ 3,004,085	$ -	$ 3,004,085	$ 3,004,085	10.0%	$ 2,703,676	12/1/2017	120	$2,613,554	$2,343,186	$2,478,370	8.0710%	16.89%	$ 24,555	$ 45,665
165	WMFE Program Leadership-1	GBE- Work Management	4572	C230	$ 234,013	$ -	$ 234,013	$ 234,013	10.0%	$ 210612	3/1/2018	120	$208,857	$187,795	$198,326	8.0710%	16.89%	$ 1,965	$ 3,557
166	Corrosion and I&R Work	GBE- Work Management	4572	C230	$ 7,001,291	$ 17,676,960	$ 24,678,252	$ 24,678252	10.0%	$ 22,210,426	7/1/2018	120	$0	$20,544,644	$10,272,322	8.0710%	16.89%	$ 60,417	$ 281,351
167	CU Governance & Library - process	GBE- Work Management	4572	C230	$ -	$ 1,658,439	$ 1,658,439	$ 1,658,439	10.0%	$ 1,492,595	11/1/2018	120	$0	$1,430,404	$715,202	8.0710%	16.89%	$ 4,307	$ 10,504
168	WMFE Program Leadership-2	GBE- Work Management	4572	C230	$ -	$ 563,692	$ 563,692	$ 563,692	10.0%	$ 507323	3/1/2019	120	$0	$503,095	$251,548	8.0710%	16.89%	$ 1,548	$ 714
169	Company Driven Work: Collections and non-Appointment Offs - Gas	GBE- Work Management	4572	C230	$ 2,366,407	$ 1,773,327	$ 4,139,734	$ 4,139,734	10.0%	$ 3,725,761	10/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
170	Company Driven Work: Collections and non-Appointment Offs- Electric	GBE- Work Management	4572	C198	$ 1,274,219	$ 954,868	$ 2,229,087	$ 2,229,087	10.0%	$ 2,006,178	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -
171	Customer, Leak Investigation & Inspections - Gas	GBE- Work Management	4572	C230	$ 1,191,154	$ 8,895,256	$ 10,086,410	$ 10,086,410	10.0%	$ 9,077,769	10/1/2019	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
172	Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	$ 641,390	$ 4,789,753	$ 5,431,143	$ 5,431,143	10.0%	$ 4,888,029	10/1/2019	120	$0	$0	$0	8.0710%	0.00%	$ -	$ -
173	WMFE Program Leadership-3	GBE- Work Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
174	PowerPlan Integration & Enhancements	GBE- Work Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	6/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
175	Construction Work & Leak Repair	GBE- Work Management	4572	C230	$ -	$ 1,832,544	$ 1,832,544	$ 1,832,544	10.0%	$ 1,649290	9/1/2020	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
176	WMFE Program Leadership-4	GBE- Work Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
177	Work Forecasting & Planning - solution	GBE- Work Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	5/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
178	Core Projects & Program Management	GBE- Work Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	6/1/2021	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
179	WMFE Optimization	GBE- Work Management	4572	C230	$ -	$ -	$ -	$ -	10.0%	$ -	3/1/2022	120	$0	$0	$0	8.0710%	16.89%	$ -	$ -
180	Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT	4426	C175	$ -	$ 673,662	$ 673,662	$ 673,662	0.0%	$ 673,662	10/31/2019	84	$0	$0	$0	8.0710%	8.6%	$ -	$ -
181	Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	$ -	$ 2,863,062	$ 2,863,062	$ 2,863,062	0.0%	$ 2,863,062	9/1/2019	84	$0	$0	$0	8.0710%	8.6%	$ -	$ -
182	Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance	4222	G020	$ 922,028	$ 617972	$ 1,540,000	$ 1,540000	0.0%	$ 1,540000	3/1/2019	84	$0	$1,521,667	$760,833	8.0710%	4.58%	$ 1,266	$ 840
183	US SAP: Business Planning	Growth Play Book-Finance	4217	G020	$ 1,034,358	$ 3,608,642	$ 4,643,000	$ 4,643,000	0.0%	$ 4,643000	3/31/2019	84	$0	$4,643,000	$2,321,500	8.0710%	4.58%	$ 3,893	$ -
184	US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	G020	$ -	$ 442,933	$ 442,933	$ 442,933	0.0%	$ 442,933	10/30/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
185	DRMS for C&I Demand Response	NY REV / Grid Mod		5210E	$ -	$ 1,190,159	$ 1,190,159	$ 1,190,159	0.0%	$ 1,190,159	5/1/2019	36	$0	$0	$0	8.0710%	0.00%	$ -	$ -
186	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729	C113	$ 8,526,273	$ -	$ 8,526,273	$ 8,526,273	0.0%	$ 8,526,273	3/31/2017	84	$7,308,234	$6,090,195	$6,699,214	8.0710%	27.0%	$ 112,116	$ 329,967
187	Plant Information Historian	NY REV / Grid Mod	4704K	G198	$ -	$ 2,500,000	$ 2,500,000	$ 2,500,000	0.0%	$ 2,500000	9/30/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
188	DG IOAP Phase II (Tactical)	NY REV / Grid Mod	4704P	5210E	$ -	$ 308,482	$ 308,482	$ 308,482	0.0%	$ 308,482	4/1/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
189	E-Commerce Marketplace	NY REV / Grid Mod	4704D	5210E	$ -	$ 532,244	$ 532,244	$ 532,244	0.0%	$ 532,244	5/1/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
190	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	5/1/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
191	AMI - CSS Enhancements	NY REV / Grid Mod	4704A	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	27.0%	$ -	$ -
192	Green Button Connect	NY REV / Grid Mod	4704C	C113	$ -	$ 1,035,000	$ 1,035,000	$ 1,035000	0.0%	$ 1,035000	3/31/2021	84	$0	$0	$0	8.0710%	27.0%	$ -	$ -
193	DSP - DG IOAP	NY REV / Grid Mod	4704F	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
194	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
195	Outdoor Lighting Inventory Portal	NY REV / Grid Mod	4704O	5210E	$ -	$ 370,514	$ 370,514	$ 370,514	0.0%	$ 370,514	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
196	DRMS for C&I Demand Response (Renewal)	NY REV / Grid Mod		5210E	$ -	$ -	$ -	$ -	0.0%	$ -	5/1/2021	12	$0	$0	$0	8.0710%	0.00%	$ -	$ -
197	Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
198	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
199	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	27.0%	$ -	$ -
200	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
201	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	27.0%	$ -	$ -
202	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
203	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	27.0%	$ -	$ -
204	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
205	Cyber Security	NY REV / Grid Mod	4704N	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	27.0%	$ -	$ -
206	Cyber Security	NY REV / Grid Mod	4704N	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
207	Residential Solar Marketplace	NY REV / Grid Mod		5210E	$ -	$ 54,350	$ 54,350	$ 54,350	0.0%	$ 54,350	3/31/2019	36	$0	$54,350	$27,175	8.0710%	0.00%	$ -	$ -
208	INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	$ 1,668,447	$ -	$ 1,668,447	$ 1,668,447	0.0%	$ 1,668,447	12/16/2016	84	$1,370,510	$1,132,161	$1,251,335	8.0710%	19.47%	$ 14,822	$ 46,407
209	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851	G181	$ 1,234,000	$ -	$ 1,234,000	$ 1,234,000	0.0%	$ 1,234000	3/31/2018	84	$1,234,000	$1,057,714	$1,145,857	8.0710%	0.00%	$ -	$ -
210	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	Other Mandates	4400	G020	$ 1,126,000	$ -	$ 1,126,000	$ 1,126,000	0.0%	$ 1,126000	12/31/2017	84	$1,085,786	$924,929	$1,005,357	8.0710%	4.58%	$ 2,701	$ 7,367
211	Regulatory Mandates - FY18	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
212	US Control Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479	G230	$ 1,561,667	$ 1,438,333	$ 3,000,000	$ 3,000,000	0.0%	$ 3,000000	5/1/2018	84	$0	$2,607,143	$1,303,571	8.0710%	12.44%	$ 5,398	$ 48,871
213	Regulatory Mandates - FY19	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
214	Regulatory Mandates - FY20	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
215	Regulatory Mandates - FY21	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
216	Physical Security Replacements - FY17	Physical Security		G020	$ 2,719,184	$ -	$ 2,719,184	$ 2,719,184	0.0%	$ 2,719184	3/31/2017	84	$2,330,729	$1,942,275	$2,136,502	8.0710%	4.58%	$ 6,045	$ 17,791
217	Physical Security Replacements - FY17	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
218	Physical Security Replacements - FY17	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
219	Physical Security Replacements - FY18	Physical Security		G020	$ 950,000	$ -	$ 950,000	$ 950,000	0.0%	$ 950000	3/31/2018	84	$950,000	$814,286	$882,143	8.0710%	4.58%	$ 2,370	$ 6,216
220	All NIMO Physical Security Replacements - FY18	Physical Security		G114	$ 490,000	$ -	$ 490,000	$ 490,000	0.0%	$ 490000	3/31/2018	84	$490,000	$420,000	$455,000	8.0710%	15.97%	$ 4,262	$ 11,179
221	Physical Security Replacements - FY18	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
222	Physical Security Replacements - FY18	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
223	Physical Security Replacements - FY19	Physical Security		G020	$ -	$ 825,000	$ 825,000	$ 825,000	0.0%	$ 825000	3/31/2019	84	$0	$825,000	$412,500	8.0710%	4.58%	$ 692	$ -
224	All NIMO Physical Security Replacements - FY19	Physical Security		G114	$ -	$ 275,000	$ 275,000	$ 275,000	0.0%	$ 275000	3/31/2019	84	$0	$275,000	$137,500	8.0710%	15.97%	$ 804	$ -
225	Physical Security Replacements - FY19	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
226	Physical Security Replacements - FY19	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
227	Physical Security Replacements - FY20	Physical Security		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
228	All NIMO Physical Security Replacements - FY20	Physical Security		G114	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0710%	15.97%	$ -	$ -
229	Physical Security Replacements - FY20	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
230	Physical Security Replacements - FY20	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 4 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

														4/1/2018	3/31/2019		8.0710%	5210G		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Forecasted Balance at Fiscal Year End (FY19)	Adjusted Forecasted Balance at Fiscal Year End (FY19)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY59)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
231	Physical Security Replacements - FY21	Physical Security		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
232	All NIMO Physical Security Replacements - FY21	Physical Security		G114	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	15.97%	$ -	$ -
233	Physical Security Replacements - FY21	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
234	Physical Security Replacements - FY21	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
235	INVP 4451 Gas Transportation System Phase II	PSC Mandate	4451	G225	$ -	$ -	$ -	$ -	0.0%	$ -	5/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
236	INVP 4347 NYC Leave on for Landlord Program	PSC Mandate	4347	5220G	$ -	$ -	$ -	$ -	0.0%	$ -	7/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
237	INVP 4124 Auto Remote Net Meter	PSC Mandate	4124	C198	$ 3,584,165	$ -	$ 3,584,165	$ 3,584,165	0.0%	$ 3,584,165	12/31/2017	84	$3,456,159	$2,944,136	$3,200,148	8.0710%	0.00%	$ -	$ -
238	INVP 3839A NY Retail Access Ph2	PSC Mandate	3839A	C170	$ 5,356,231	$ -	$ 5,356,231	$ 5,356,231	0.0%	$ 5,356,231	10/31/2017	84	$5,037,408	$4,272,232	$4,654,820	8.0710%	14.88%	$ 40,630	$ 113,858
239	INVP 4411AB Distributed Generation Portal	PSC Mandate	4411A+B	C198	$ 3,347,611	$ -	$ 3,347,611	$ 3,347,611	0.0%	$ 3,347,611	11/30/2017	84	$3,188,201	$2,709,971	$2,949,086	8.0710%	0.00%	$ -	$ -
240	INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170	$ 551,447	$ -	$ 551,447	$ 551,447	0.0%	$ 551,447	12/31/2017	84	$531,752	$452,974	$492,363	8.0710%	14.88%	$ 4,298	$ 11,722
241	INVP 4448 Low Income Order CRIS	PSC Mandate	4448	5220G	$ -	$ -	$ -	$ -	0.0%	$ -	12/31/2017	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
242	INVP 4448 Low Income Order CSS	PSC Mandate	4448	C195	$ 2,489,410	$ -	$ 2,489,410	$ 2,489,410	0.0%	$ 2,489,410	12/31/2017	84	$2,400,503	$2,044,873	$2,222,688	8.0710%	21.56%	$ 28,111	$ 76,674
243	INVP 4411C New Electric Connections	PSC Mandate	4411C	C198	$ 444,010	$ 253,990	$ 698,000	$ 698,000	0.0%	$ 698,000	4/30/2018	84	$0	$606,595	$303,298	8.0710%	0.00%	$ -	$ -
244	INVP 4411D New Gas Connections	PSC Mandate	4411D	C210	$ 5,263	$ 890,737	$ 896,000	$ 896,000	0.0%	$ 896,000	10/31/2018	84	$0	$842,667	$421,333	8.0710%	16.89%	$ 2,506	$ 9,008
245	CPE Buyback	Tech. Modernization	4684	G020	$ 5,135,450	$ -	$ 5,135,450	$ 5,135,450	0.0%	$ 5,135,450	4/1/2017	84	$4,401,814	$3,668,179	$4,034,996	8.0710%	4.58%	$ 11,417	$ 33,601
246	Active Directory Improvements	Tech. Modernization	4489	G020	$ 275,000	$ -	$ 275,000	$ 275,000	0.0%	$ 275,000	3/31/2018	84	$275,000	$235,734	$255,357	8.0710%	4.58%	$ 686	$ 1,799
247	Application Performance Management (APM)	Tech. Modernization	4490	G020	$ 54,825	$ 288,814	$ 343,638	$ 343,638	0.0%	$ 343,638	5/31/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
248	RAS/VPN Re-Platform/Mobile	Tech. Modernization	4269	G020	$ 600,000	$ -	$ 600,000	$ 600,000	0.0%	$ 600,000	3/16/2018	84	$592,857	$507,143	$550,000	8.0710%	4.58%	$ 1,478	$ 3,926
249	US Network Programme	Tech. Modernization	4496	G020	$ 2,237,779	$ 787,221	$ 3,025,000	$ 3,025,000	0.0%	$ 3,025,000	8/31/2018	84	$0	$2,772,917	$1,386,458	8.0710%	4.58%	$ 2,197	$ 11,545
250	US VSTIG Programme	Tech. Modernization	4498	G020	$ 2,700,000	$ -	$ 2,700,000	$ 2,700,000	0.0%	$ 2,700,000	3/31/2018	84	$2,700,000	$2,314,286	$2,507,143	8.0710%	4.58%	$ 6,736	$ 17,666
251	US Wireless Programme	Tech. Modernization	4499	G020	$ 1,950,000	$ -	$ 1,950,000	$ 1,950,000	0.0%	$ 1,950,000	3/31/2018	84	$1,950,000	$1,671,429	$1,810,714	8.0710%	4.58%	$ 4,865	$ 12,759
252	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 65,789	$ 346,576	$ 412,366	$ 412,366	0.0%	$ 412,366	5/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
253	RSA Re-platform	Tech. Modernization	4270	G020	$ 40,936	$ 215,648	$ 256,583	$ 256,583	0.0%	$ 256,583	5/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
254	Cloud Broker - Hybrid Enablement	Tech. Modernization	3899	G020	$ 250,000	$ -	$ 250,000	$ 250,000	0.0%	$ 250,000	3/31/2018	84	$250,000	$214,286	$232,143	8.0710%	4.58%	$ 624	$ 1,636
255	Office 2010 Upgrade	Tech. Modernization	4265	G020	$ 116,959	$ 616,136	$ 733,095	$ 733,095	0.0%	$ 733,095	4/30/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
256	Citrix Infrstructure Upgrade (Xenapp and NetScaler)	Tech. Modernization	4279	G020	$ 318,058	$ 181,942	$ 500,000	$ 500,000	0.0%	$ 500,000	4/30/2018	84	$0	$434,524	$217,262	8.0710%	4.58%	$ 331	$ 2,999
257	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 492,487	$ 2,594,404	$ 3,086,892	$ 3,086,892	0.0%	$ 3,086,892	4/30/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
258	Data Security	Tech. Modernization	4710	G020	$ -	$ 548,076	$ 548,076	$ 548,076	0.0%	$ 548,076	7/30/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
259	Orchestration and Self Service	Tech. Modernization	4726	G020	$ -	$ 252,623	$ 252,623	$ 252,623	0.0%	$ 252,623	5/30/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
260	Virtual Desktop - DaaS	Tech. Modernization	4727	G020	$ 349,864	$ 200,136	$ 550,000	$ 550,000	0.0%	$ 550,000	9/30/2018	84	$0	$510,714	$255,357	8.0710%	4.58%	$ 408	$ 1,799
261	SCI connections	Tech. Modernization	4495	G020	$ 63,612	$ 36,388	$ 100,000	$ 100,000	0.0%	$ 100,000	9/30/2018	84	$0	$92,857	$46,429	8.0710%	4.58%	$ 74	$ 327
262	US SAP: Dynamic Storage Tiering	Tech. Modernization	4560	G020	$ -	$ 456,406	$ 456,406	$ 456,406	0.0%	$ 456,406	7/5/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
263	ICE Replacement	Tech. Modernization	4491	G020	$ 2,548,068	$ 767,932	$ 3,316,000	$ 3,316,000	0.0%	$ 3,316,000	10/31/2018	84	$0	$3,118,619	$1,559,310	8.0710%	4.58%	$ 2,515	$ 9,040
264	US Network Programme	Tech. Modernization	4496	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
265	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ -	$ -	$ -	0.0%	$ -	9/30/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
266	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ -	$ -	$ -	0.0%	$ -	9/30/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
267	Data Visualisation Expansion	Tech. Modernization	4606	G020	$ -	$ 943,126	$ 943,126	$ 943,126	0.0%	$ 943,126	9/30/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
268	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Modernization	4562	G020	$ -	$ 796,942	$ 796,942	$ 796,942	0.0%	$ 796,942	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
269	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
270	MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	G020	$ -	$ 168,415	$ 168,415	$ 168,415	0.0%	$ 168,415	4/30/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
271	Improving End User Experience- Cloud based DMZ/Service Platform	Tech. Modernization	4723	G020	$ -	$ 300,000	$ 300,000	$ 300,000	0.0%	$ 300,000	3/31/2019	84	$0	$300,000	$150,000	8.0710%	4.58%	$ 252	$ -
272	Mobile Broadband POC	Tech. Modernization		G020	$ -	$ 100,000	$ 100,000	$ 100,000	0.0%	$ 100,000	3/31/2019	84	$0	$100,000	$50,000	8.0710%	4.58%	$ 84	$ -
273	FY19 Edge Projects	Tech. Modernization	4717	G020	$ -	$ 336,831	$ 336,831	$ 336,831	0.0%	$ 336,831	5/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
274	FY19 Network Projects	Tech. Modernization	4718	G020	$ -	$ 336,831	$ 336,831	$ 336,831	0.0%	$ 336,831	5/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
275	Digital Asset Management (DAM)	Tech. Modernization	4711	G020	$ -	$ 168,415	$ 168,415	$ 168,415	0.0%	$ 168,415	5/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
276	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ -	$ 1,338,308	$ 1,338,308	$ 1,338,308	0.0%	$ 1,338,308	3/31/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
277	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ 1,134,653	$ 1,134,653	$ 1,134,653	0.0%	$ 1,134,653	4/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
278	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ 1,134,653	$ 1,134,653	$ 1,134,653	0.0%	$ 1,134,653	4/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
279	EUC, network, and data center strategy	Tech. Modernization	4715	G020	$ -	$ 519,682	$ 519,682	$ 519,682	0.0%	$ 519,682	4/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
280	Data Security	Tech. Modernization	4710	G020	$ -	$ 530,509	$ 530,509	$ 530,509	0.0%	$ 530,509	4/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
281	FY19 Data Centre Projects	Tech. Modernization	4716	G020	$ -	$ 673,662	$ 673,662	$ 673,662	0.0%	$ 673,662	4/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
282	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization	4706	G020	$ -	$ 3,300,000	$ 3,300,000	$ 3,300,000	0.0%	$ 3,300,000	4/1/2019	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
283	US Video Conference Programme	Tech. Modernization	4497	G020	$ -	$ 1,000,000	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	4/1/2020	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
284	US SAP: Enhancement Pack 9 Upgrade	Tech. Modernization	4564	G020	$ -	$ 1,600,798	$ 1,600,798	$ 1,600,798	0.0%	$ 1,600,798	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
285	US Network Programme	Tech. Modernization	4496	G020	$ -	$ 530,509	$ 530,509	$ 530,509	0.0%	$ 530,509	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
286	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
287	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
288	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
289	Service Now - Release 3	Tech. Modernization	4261	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
290	IS Tools	Tech. Modernization	4513	G020	$ -	$ 173,770	$ 173,770	$ 173,770	0.0%	$ 173,770	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
291	FY20 Edge Projects	Tech. Modernization	4720	G020	$ -	$ 665,020	$ 665,020	$ 665,020	0.0%	$ 665,020	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
292	FY20 Network Projects	Tech. Modernization	4721	G020	$ -	$ 996,989	$ 996,989	$ 996,989	0.0%	$ 996,989	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
293	EMM Licenses	Tech. Modernization	4713	G020	$ -	$ 444,617	$ 444,617	$ 444,617	0.0%	$ 444,617	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
294	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
295	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
296	Data Security	Tech. Modernization	4710	G020	$ -	$ 530,509	$ 530,509	$ 530,509	0.0%	$ 530,509	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
297	Hardware and Software Upgrades	Tech. Modernization	4722	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
298	Data Centre Consolidation efforts	Tech. Modernization	4709	G020	$ -	$ 500,000	$ 500,000	$ 500,000	0.0%	$ 500,000	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
299	FY20 Data Centre Projects	Tech. Modernization	4719	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
300	Enterprise Data Management Platform	Tech. Modernization	4582	G020	$ -	$ -	$ -	$ -	0.0%	$ -	6/1/2021	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
301	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
302	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
	Total IS				$ 259,929,424	$ 194,639,135	$ 454,568,559	$ 454,568,559		$ 438,454,267			$ 176,588,915	$ 268,875,955	$ 222,732,433			$ 1,047,007	$ 2,636,055

NIMO G $ 3,663,062

Case 17-G-0239
Appendix 6
Schedule 17
Page 5 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance at Fiscal Year End (FY20)	Adjusted Forecasted Balance at Fiscal Year End (FY20)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	8.0280% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
1	Cloud Security	Cyber Security	3683	G020	$ 1,460,000	$ -	$ 1,460,000	$ 1,460,000	0.0%	$ 1,460,000	3/31/2018	84	$1,251,429	$1,042,857	$1,147,143	8.0210%	4.58%	$ 3,063	$ 9,553
2	Risk Based Authentication - 2FA token alternative	Cyber Security	3683	G020	$ 235,080	$ -	$ 235,080	$ 235,080	0.0%	$ 235,080	6/1/2018	84	$207,094	$173,511	$190,303	8.0210%	4.58%	$ 508	$ 1,538
3	INVP 3614D1 Ent Network Security	Cyber Security	3614D1	G020	$ 9,674,142	$ -	$ 9,674,142	$ 9,674,142	0.0%	$ 9,674,142	11/30/2017	84	$7,831,449	$6,449,828	$7,140,438	8.0210%	4.58%	$ 19,065	$ 63,297
4	Threat Behavior Modeling	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	$ 800,000	0.0%	$ 800,000	7/1/2018	84	$714,286	$600,000	$657,143	8.0210%	4.58%	$ 1,755	$ 5,234
5	Identity & Access Management :Role Base Access Management (RBAC)	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	6/1/2018	84	$1,453,571	$1,217,857	$1,335,714	8.0210%	4.58%	$ 3,566	$ 10,796
6	Enhanced DLP Gateway and Endpoint	Cyber Security	3683	G020	$ 2,238,480	$ -	$ 2,238,480	$ 2,238,480	0.0%	$ 2,238,480	10/1/2018	84	$2,078,589	$1,758,806	$1,918,697	8.0210%	4.58%	$ 5,123	$ 14,646
7	INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020	$ 4,829,586	$ -	$ 4,829,586	$ 4,829,586	0.0%	$ 4,829,586	12/31/2017	84	$3,967,160	$3,277,219	$3,622,189	8.0210%	4.58%	$ 9,671	$ 31,599
8	INVP 3614E4 US CNI Security I&E	Cyber Security	3614E4	G020	$ 1,340,144	$ -	$ 1,340,144	$ 1,340,144	0.0%	$ 1,340,144	12/31/2017	84	$1,100,833	$909,384	$1,005,108	8.0210%	4.58%	$ 2,684	$ 8,768
9	US CNI Intrusion Detection/Prevention Phase 1	Cyber Security	3683	G020	$ 550,000	$ -	$ 550,000	$ 550,000	0.0%	$ 550,000	7/31/2018	84	$487,619	$419,048	$458,333	8.0210%	4.58%	$ 1,224	$ 3,599
10	Identity & Access Management: Fine Grain Access Management	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	8/31/2018	84	$1,512,500	$1,276,786	$1,394,643	8.0210%	4.58%	$ 3,724	$ 10,796
11	vStig Scaling Upgrades	Cyber Security	3683	G020	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	8/1/2018	84	$904,762	$761,905	$833,333	8.0210%	4.58%	$ 2,225	$ 6,543
12	IT/OT Discovery and Implementation Phase 1	Cyber Security	3683	G020	$ 5,224,017	$ 275,983	$ 5,500,000	$ 5,500,000	0.0%	$ 5,500,000	6/1/2019	84	$0	$4,845,238	$2,422,619	8.0210%	4.58%	$ 3,708	$ 29,988
13	Security Research Lab	Cyber Security	3683	G020	$ 297,820	$ 27,180	$ 325,000	$ 325,000	0.0%	$ 325,000	6/1/2019	84	$0	$286,310	$143,155	8.0210%	4.58%	$ 219	$ 1,772
14	US CNI Security Enhancements Phase 1	Cyber Security	3683	G020	$ 1,512,008	$ 137,992	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	6/1/2019	84	$0	$1,453,571	$726,786	8.0210%	4.58%	$ 1,113	$ 8,996
15	Identity & Access Management: Privileged Access Management	Cyber Security	3683	G020	$ 1,740,000	$ -	$ 1,740,000	$ 1,740,000	0.0%	$ 1,740,000	3/31/2019	84	$1,740,000	$1,491,429	$1,615,714	8.0210%	4.58%	$ 4,314	$ 11,385
16	Domain Based Security Phase 1	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2019	84	$800,000	$685,714	$742,857	8.0210%	4.58%	$ 1,983	$ 5,234
17	Security Incident Event Management Phase 4	Cyber Security	3683	G020	$ 1,120,783	$ 145,517	$ 1,266,300	$ 1,266,300	0.0%	$ 1,266,300	5/1/2019	84	$0	$1,100,475	$550,238	8.0210%	4.58%	$ 834	$ 7,595
18	Big Data Security Analytics Phase 1	Cyber Security	3683	G020	$ 4,090,466	$ 531,086	$ 4,621,552	$ 4,621,552	0.0%	$ 4,621,552	5/1/2019	84	$0	$4,016,349	$2,008,174	8.0210%	4.58%	$ 3,043	$ 27,718
19	US CNI Intrusion Detection/Prevention Phase 2	Cyber Security	3683	G020	$ 269,465	$ 530,535	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2020	84	$0	$800,000	$400,000	8.0210%	4.58%	$ 667	$ -
20	Identity & Access Management: Shared Area Access Management	Cyber Security	3683	G020	$ 586,086	$ 1,153,914	$ 1,740,000	$ 1,740,000	0.0%	$ 1,740,000	3/31/2020	84	$0	$1,740,000	$870,000	8.0210%	4.58%	$ 1,450	$ -
21	Security Incident Event Management Phase 5	Cyber Security	3683	G020	$ 246,948	$ 286,669	$ 533,616	$ 533,616	0.0%	$ 533,616	5/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
22	Domain Based Security Phase 2	Cyber Security	3683	G020	$ 1,400,000	$ 2,484,896	$ 3,884,896	$ 3,884,896	0.0%	$ 3,884,896	4/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
23	Security Incident Event Management (SIEM) 6	Cyber Security	3683	G020	$ 246,948	$ 277,723	$ 524,670	$ 524,670	0.0%	$ 524,670	5/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
24	Big Data Security Analytics - Phase 2	Cyber Security	3683	G020	$ 500,000	$ 2,188,347	$ 2,688,347	$ 2,688,347	0.0%	$ 2,688,347	5/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
25	IT/OT Discovery and Implementation: Phase 2	Cyber Security	3683	G020	$ -	$ 2,651,651	$ 2,651,651	$ 2,651,651	0.0%	$ 2,651,651	10/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
26	US CNI Security Enhancements - Phase 2	Cyber Security	3683	G020	$ -	$ 1,500,077	$ 1,500,077	$ 1,500,077	0.0%	$ 1,500,077	11/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
27	Data Visualization	Cyber Security	3683	G020	$ -	$ 378,807	$ 378,807	$ 378,807	0.0%	$ 378,807	12/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
28	INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	C277	$ -	$ -	$ -	$ -	0.0%	$ -	5/26/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
29	INVP 4045 Double Pole Mgmt DB	FY18 Plan	4045	G198	$ 432,455	$ -	$ 432,455	$ 432,455	0.0%	$ 432,455	3/4/2017	84	$303,748	$241,969	$272,858	8.0210%	0.00%	$ -	$ -
30	INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	G020	$ 259,667	$ -	$ 259,667	$ 259,667	0.0%	$ 259,667	2/20/2017	84	$182,385	$145,290	$163,838	8.0210%	4.58%	$ 447	$ 1,699
31	INVP 3955 EJ Ward Upgrade	FY18 Plan	3955	G235	$ -	$ -	$ -	$ -	0.0%	$ -	3/7/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
32	INVP 4188 Aging System Stabilize	FY18 Plan	4188	G148	$ 854,204	$ -	$ 854,204	$ 854,204	0.0%	$ 854,204	12/1/2017	84	$691,498	$569,469	$630,484	8.0210%	4.83%	$ 1,775	$ 5,894
33	INVP 4280 US VSTIG Bandwidth Ph2	FY18 Plan	4280	G020	$ 2,256,401	$ -	$ 2,256,401	$ 2,256,401	0.0%	$ 2,256,401	12/1/2017	84	$1,826,610	$1,504,267	$1,665,439	8.0210%	4.58%	$ 4,447	$ 14,763
34	INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	G020	$ 13,464,281	$ -	$ 13,464,281	$ 13,464,281	0.0%	$ 13,464,281	7/31/2017	84	$10,258,500	$8,335,031	$9,296,766	8.0210%	4.58%	$ 25,823	$ 88,095
35	INVP 4364 Wireless Network	FY18 Plan	4364	G020	$ 2,303,959	$ -	$ 2,303,959	$ 2,303,959	0.0%	$ 2,303,959	3/31/2018	84	$1,974,822	$1,645,685	$1,810,253	8.0210%	4.58%	$ 4,833	$ 15,074
36	S005242 M112 Systemic Improvement	FY18 Plan			$ 8,275,650	$ -	$ 8,275,650	$ 8,275,650	0.0%	$ 8,275,650	12/1/2017	120	$7,172,230	$6,344,665	$6,758,447	8.0210%	4.58%	$ 18,045	$ 37,902
37	INVP 4289 US Network Improvement	FY18 Plan	4289	G020	$ 1,336,479	$ -	$ 1,336,479	$ 1,336,479	0.0%	$ 1,336,479	12/1/2017	84	$1,081,912	$890,986	$986,449	8.0210%	4.58%	$ 2,634	$ 8,744
38	HANA License Costs	FY18 Plan	4649	G020	$ 3,826,068	$ -	$ 3,826,068	$ 3,826,068	0.0%	$ 3,826,068	3/31/2017	84	$2,732,906	$2,186,325	$2,459,615	8.0210%	4.58%	$ 6,709	$ 25,033
39	Microsoft ELA Renewal	FY18 Plan	4642	G020	$ 3,207,476	$ -	$ 3,207,476	$ 3,207,476	0.0%	$ 3,207,476	3/31/2017	84	$2,291,054	$1,832,843	$2,061,949	8.0210%	4.58%	$ 5,625	$ 20,986
40	Mobile Device Refresh - FY17	FY18 Plan	4671	G020	$ 4,138,561	$ -	$ 4,138,561	$ 4,138,561	0.0%	$ 4,138,561	3/31/2017	84	$2,956,115	$2,364,892	$2,660,503	8.0210%	4.58%	$ 7,257	$ 27,078
41	Zscaler	FY18 Plan	4681	G020	$ 2,100,000	$ -	$ 2,100,000	$ 2,100,000	0.0%	$ 2,100,000	4/1/2018	84	$1,800,000	$1,500,000	$1,650,000	8.0210%	4.58%	$ 4,405	$ 13,740
42	INVP 2577C ArcFM Software Upgrade	FY18 Plan	2577C	G112	$ -	$ -	$ -	$ -	0.0%	$ -	4/10/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
43	INVP 4631 Box Enablement	FY18 Plan	4631	G020	$ 254,000	$ -	$ 254,000	$ 254,000	0.0%	$ 254,000	3/31/2018	84	$217,714	$181,429	$199,571	8.0210%	4.58%	$ 533	$ 1,662
44	INVP 4170 Time Transformation	FY18 Plan	4170	G020	$ 2,676,143	$ -	$ 2,676,143	$ 2,676,143	0.0%	$ 2,676,143	4/30/2017	84	$1,943,389	$1,561,083	$1,752,236	8.0210%	4.58%	$ 4,877	$ 17,510
45	INVP 4420 US CNI OMSFocalPoint Infrastructure Upgrade	FY18 Plan	4420	G198	$ 705,521	$ -	$ 705,521	$ 705,521	0.0%	$ 705,521	5/23/2017	84	$520,742	$419,953	$470,347	8.0210%	0.00%	$ -	$ -
46	INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G020	$ 608,000	$ -	$ 608,000	$ 608,000	0.0%	$ 608,000	3/31/2018	84	$521,143	$434,286	$477,714	8.0210%	4.58%	$ 1,275	$ 3,978
47	US Video Conferencing upgrade for RW	FY18 Plan	4632	G020	$ 1,702,730	$ -	$ 1,702,730	$ 1,702,730	0.0%	$ 1,702,730	7/31/2017	84	$1,297,318	$1,054,071	$1,175,695	8.0210%	4.58%	$ 3,266	$ 11,141
48	Hix D/C Improvement Server Refresh	FY18 Plan	4676	G020	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	3/31/2018	84	$857,143	$714,286	$785,714	8.0210%	4.58%	$ 2,098	$ 6,543
49	INVP 4464 Data Visualization	FY18 Plan	4464	G020	$ 7,067,413	$ -	$ 7,067,413	$ 7,067,413	0.0%	$ 7,067,413	11/30/2017	84	$5,721,239	$4,711,609	$5,216,424	8.0210%	4.58%	$ 13,928	$ 46,241
50	Mobility - (MDM) Mobile Device	FY18 Plan	3430	G020	$ 1,162,000	$ -	$ 1,162,000	$ 1,162,000	0.0%	$ 1,162,000	2/1/2018	84	$968,333	$802,333	$885,333	8.0210%	4.58%	$ 2,364	$ 7,603
51	Changes to ACIS for PMCC Civil Vendor Billing	FY18 Plan	4487	G186	$ 382,000	$ -	$ 382,000	$ 382,000	0.0%	$ 382,000	12/2/2017	84	$309,238	$254,667	$281,952	8.0210%	0.00%	$ -	$ -
52	INVP 4461 Unix51 Interface Migration	FY18 Plan	4461	G020	$ 1,386,701	$ -	$ 1,386,701	$ 1,386,701	0.0%	$ 1,386,701	3/1/2018	84	$1,172,093	$973,992	$1,073,042	8.0210%	4.58%	$ 2,865	$ 9,073
53	INVP 4287 Active Directory Upgrade	FY18 Plan	4287	G020	$ 804,825	$ -	$ 804,825	$ 804,825	0.0%	$ 804,825	1/30/2018	84	$670,688	$555,713	$613,200	8.0210%	4.58%	$ 1,637	$ 5,266
54	US Control-Gas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480	G210	$ 496,672	$ 45,328	$ 542,000	$ 542,000	0.0%	$ 542,000	5/1/2019	84	$0	$471,024	$235,512	8.0210%	12.44%	$ 969	$ 8,829
55	Enterprise Labs	FY18 Plan	4693	G020	$ 668,000	$ -	$ 668,000	$ 668,000	0.0%	$ 668,000	10/30/2017	84	$532,810	$437,381	$485,095	8.0210%	4.58%	$ 1,295	$ 4,371
56	Cascade Electric Application Upgrade Project	FY18 Plan	3986	G198	$ 375,000	$ -	$ 375,000	$ 375,000	0.0%	$ 375,000	10/31/2017	84	$299,107	$245,536	$272,321	8.0210%	0.00%	$ -	$ -
57	INVP 4408 Doc Mgmt Systems Replacement Delivery	FY18 Plan	4408	G149	$ 3,855,044	$ -	$ 3,855,044	$ 3,855,044	0.0%	$ 3,855,044	11/1/2017	84	$3,074,856	$2,524,136	$2,799,496	8.0210%	4.61%	$ 7,524	$ 25,388
58	WIFI for Fleet Services Diagnostic Laptops	FY18 Plan	3956	G152	$ 838,000	$ -	$ 838,000	$ 838,000	0.0%	$ 838,000	11/1/2017	84	$668,405	$548,690	$608,548	8.0210%	4.63%	$ 1,643	$ 5,543
59	Gas Service Database - UNY	FY18 Plan	3949	5210G	$ 325,000	$ -	$ 325,000	$ 325,000	0.0%	$ 325,000	12/1/2017	84	$263,095	$216,667	$239,881	8.0210%	100.00%	$ 13,984	$ 46,429
60	Gas Service Database - DNY (LI and NYC)	FY18 Plan	3948	G225	$ -	$ -	$ -	$ -	0.0%	$ -	12/4/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
61	Substation Monitoring-DobleARMS	FY18 Plan	3982	G181	$ -	$ -	$ -	$ -	0.0%	$ -	1/1/2018	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
62	Gas Capital Investment Planning Tool	FY18 Plan	4466	G210	$ 534,163	$ 47,837	$ 572,000	$ 572,000	0.0%	$ 572,000	9/1/2019	84	$0	$524,333	$262,167	8.0210%	12.44%	$ 1,122	$ 5,930
63	Computapole Enhancements to Support Inspection Types	FY18 Plan	4462	G186	$ 412,366	$ 37,634	$ 450,000	$ 450,000	0.0%	$ 450,000	9/1/2019	84	$0	$412,500	$206,250	8.0210%	0.00%	$ -	$ -
64	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	G020	$ 1,128,966	$ 103,034	$ 1,232,000	$ 1,232,000	0.0%	$ 1,232,000	9/1/2019	84	$0	$1,129,333	$564,667	8.0210%	4.58%	$ 889	$ 4,702
65	Ageing System Stabilization/Upgrades - FY18	FY18 Plan	4389	G148	$ 1,374,553	$ 125,447	$ 1,500,000	$ 1,500,000	0.0%	$ 1,500,000	6/30/2019	84	$0	$1,339,286	$669,643	8.0210%	4.83%	$ 1,092	$ 7,763
66	INVP 3486 US MDS-Inov Enterprise Edition (IEE)	FY18 Plan	3486	G186	$ 758,544	$ -	$ 758,544	$ 758,544	0.0%	$ 758,544	3/31/2018	84	$650,180	$541,817	$595,999	8.0210%	0.00%	$ -	$ -
67	INVP 4390 Plastic Fusion II	FY18 Plan	4390	G210	$ 506,000	$ -	$ 506,000	$ 506,000	0.0%	$ 506,000	3/31/2018	84	$433,714	$361,429	$397,571	8.0210%	12.44%	$ 2,883	$ 8,992
68	INVP 4397 Ariba TLS and CI Update	FY18 Plan	4397	G020	$ 1,602,226	$ -	$ 1,602,226	$ 1,602,226	0.0%	$ 1,602,226	3/31/2018	120	$1,442,003	$1,281,781	$1,361,892	8.0210%	4.58%	$ 3,636	$ 7,338
69	US Mobile Device Refresh	FY18 Plan	4395	G020	$ 4,500,000	$ -	$ 4,500,000	$ 4,500,000	0.0%	$ 4,500,000	3/31/2018	84	$3,857,143	$3,214,286	$3,535,714	8.0210%	4.58%	$ 12,989	$ 29,443
70	US SAP: Infrastructure Landscape	FY18 Plan	4348	G020	$ 4,142,700	$ -	$ 4,142,700	$ 4,142,700	0.0%	$ 4,142,700	3/31/2018	84	$3,550,886	$2,959,071	$3,254,979	8.0210%	4.58%	$ 8,691	$ 27,105
71	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ 9,207,521	$ -	$ 9,207,521	$ 9,207,521	0.0%	$ 9,207,521	3/31/2018	84	$7,892,161	$6,576,801	$7,234,481	8.0210%	0.00%	$ -	$ -
72	US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	4568	U186	$ 3,213,537	$ -	$ 3,213,537	$ 3,213,537	0.0%	$ 3,213,537	3/31/2018	84	$2,754,461	$2,295,384	$2,524,922	8.0210%	0.00%	$ -	$ -
73	Network Transformation Completion - CEMS	FY18 Plan	4647	G020	$ 204,092	$ 20,908	$ 225,000	$ 225,000	0.0%	$ 225,000	5/1/2019	84	$0	$195,536	$97,768	8.0210%	4.58%	$ 148	$ 1,349
74	Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020	$ 675,000	$ -	$ 675,000	$ 675,000	0.0%	$ 675,000	3/31/2018	84	$578,571	$482,143	$530,357	8.0210%	4.58%	$ 1,416	$ 4,416
75	Aged Printer refresh	FY18 Plan	4689	G020	$ 45,000	$ -	$ 45,000	$ 45,000	0.0%	$ 45,000	3/31/2018	84	$38,571	$32,143	$35,357	8.0210%	4.58%	$ 94	$ 294

Case 17-G-0239
Appendix 6
Schedule 17
Page 6 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance at Fiscal Year End (FY20)	Adjusted Forecasted Balance at Fiscal Year End (FY20)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	8.0280% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
76	RSA Token refresh	FY18 Plan	4683	G020	$ 536,718	$ -	$ 536,718	$ 536,718	0.0%	$ 536,718	3/31/2017	84	$383,370	$306,696	$345,033	8.0210%	4.58%	$ 941	$ 3,512
77	Load and DER Forecasting (Acquisition o f Remote Sensing Data - Mass)	FY18 Plan	4670	C310	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
78	INVP4449 - EPA File	FY18 Plan	4449	C170	$ 630,000	$ -	$ 630,000	$ 630,000	0.0%	$ 630,000	3/31/2018	84	$540,000	$450,000	$495,000	8.0210%	14.88%	$ 4,294	$ 13,392
79	Informatica Upgrade/Microstrategy Replacement Program	FY18 Plan	4469	G020	$ 3,164,400	$ -	$ 3,164,400	$ 3,164,400	0.0%	$ 3,164,400	5/1/2018	84	$2,750,014	$2,297,957	$2,523,986	8.0210%	4.58%	$ 6,739	$ 20,704
80	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	FY18 Plan	3932	C175	$ 23,566,011	$ -	$ 23,566,011	$ 23,566,011	0.0%	$ 23,566,011	8/31/2018	84	$21,602,177	$18,235,604	$19,918,890	8.0210%	8.65%	$ 100,452	$ 291,231
81	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	FY18 Plan	4481	G186	$ 654,799	$ 1,289,201	$ 1,944,000	$ 1,944,000	0.0%	$ 1,944,000	5/1/2019	84	$0	$1,689,429	$844,714	8.0210%	0.00%	$ -	$ -
82	INVP 4398 Storms/Esched Upgrade	FY18 Plan	4398	G160	$ 8,960,280	$ -	$ 8,960,280	$ 8,960,280	0.0%	$ 8,960,280	12/15/2018	84	$8,533,600	$7,253,560	$7,893,580	8.0210%	7.15%	$ 32,902	$ 91,523
83	General Ledger Interface CRIS SAP	FY18 Plan	4486	C343	$ -	$ -	$ -	$ -	0.0%	$ -	3/1/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
84	STORMS Capital Cost Estimates	FY18 Plan	4467	G148	$ 235,243	$ 463,157	$ 698,400	$ 698,400	0.0%	$ 698,400	5/1/2019	84	$0	$606,941	$303,471	8.0210%	4.83%	$ 485	$ 4,417
85	CRIS Data Archival	FY18 Plan	4485	C343	$ -	$ -	$ -	$ -	0.0%	$ -	4/1/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
86	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
87	Inventory Management Handheld Devices	FY18 Plan		G020	$ 129,283	$ -	$ 129,283	$ 129,283	0.0%	$ 129,283	3/31/2017	84	$92,345	$73,876	$83,111	8.0210%	4.58%	$ 227	$ 846
88	Customer Bill Redesign	FY18 Plan	4704Q	H173	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0210%	7.07%	$ -	$ -
89	INVP 3737 US CNI GMS SCADA Upgrade &	FY18 Plan	3737	C210	$ 18,308,477	$ 5,028,785	$ 23,337,262	$ 23,337,262	0.0%	$ 23,337,262	3/31/2020	84	$0	$23,337,262	$11,668,631	8.0210%	16.89%	$ 71,705	$ -
90	Cisco Prime	FY18 Plan	4679	G020	$ 216,000	$ 216,000	$ 432,000	$ 432,000	0.0%	$ 432,000	5/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
91	Contractor Management Modernization	FY18 Plan	4151	G327	$ 300,000	$ 2,866,892	$ 3,166,892	$ 3,166,892	0.0%	$ 3,166,892	10/15/2022	84	$0	$0	$0	8.0210%	4.82%	$ -	$ -
92	Risk Management (Tx Mains & Dx Mains)	GBE- Asset Management	4572	C210	$ 1,899,720	$ -	$ 1,899,720	$ 1,899,720	7.5%	$ 1,899,720	12/1/2017	120	$1,646,424	$1,456,452	$1,551,438	8.0210%	16.89%	$ 15,276	$ 32,086
93	AM Program Leadership-1	GBE- Asset Management	4572	C210	$ 249,412	$ -	$ 277,124	$ 249,412	7.5%	$ 249,412	3/1/2018	120	$222,392	$197,451	$209,921	8.0210%	16.89%	$ 2,067	$ 4,213
94	Enhancements	GBE- Asset Management	4572	C210	$ 2,394,788	$ -	$ 2,660,875	$ 2,394,788	7.5%	$ 2,394,788	12/1/2018	120	$2,314,961	$2,075,483	$2,195,222	8.0210%	16.89%	$ 21,615	$ 40,448
95	Additional IM Modules	GBE- Asset Management	4572	C210	$ 540,810	$ 112,606	$ 716,840	$ 656,416	7.5%	$ 647971	2/1/2019	120	$687,171	$572,374	$604,773	8.0210%	16.89%	$ 5,955	$ 10,944
96	AM Program Leadership-2	GBE- Asset Management	4572	C210	$ 358,808	$ -	$ 398,676	$ 358,808	7.5%	$ 358,808	3/1/2019	120	$355,818	$319,937	$337,878	8.0210%	16.89%	$ 3,327	$ 6,060
97	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	GBE- Asset Management	4572	C210	$ 7,568,565	$ 2,902,242	$ 11,311,759	$ 10,470,807	7.5%	$ 10,253,139	3/1/2019	120	$10,167,696	$9,142,382	$9,655,039	8.0210%	16.89%	$ 95,067	$ 173,176
98	EAM-FIN Integration	GBE- Asset Management	4572	C210	$ 881,466	$ 798,695	$ 1,778,102	$ 1,680,161	7.5%	$ 1,620259	6/1/2019	120	$0	$1,485,238	$742,619	8.0210%	16.89%	$ 4,314	$ 22,805
99	Integrity Management Integrations	GBE- Asset Management	4572	C210	$ 334,682	$ 716,243	$ 1,088,112	$ 1,050,925	7.5%	$ 997,206	10/1/2019	120	$0	$947,346	$473,673	8.0210%	16.89%	$ 2,819	$ 8,421
100	AM Program Leadership-3	GBE- Asset Management	4572	C210	$ -	$ 408,336	$ 408,336	$ 408,336	7.5%	$ 377711	3/1/2020	120	$0	$374,563	$187,282	8.0210%	16.89%	$ 1,145	$ 532
101	Design (GWD), Estimating (CU), & Mobility	GBE- Asset Management	4572	C210	$ 1,556,366	$ 4,920,570	$ 6,649,865	$ 6,476936	7.5%	$ 6,107893	9/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
102	Asset Analytics Integration	GBE- Asset Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	12/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
103	GIS (GWD/CU) - PPM Integration	GBE- Asset Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	12/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
104	GIS-EAM Integration	GBE- Asset Management	4572	C210	$ 1,125,000	$ 3,286,424	$ 4,536,424	$ 4,411,424	7.5%	$ 4,164942	12/2/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
105	AM Program Leadership-4	GBE- Asset Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
106	Use Case No.1 - Asset Risk	GBE- Asset Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
107	Complex Design (CAD) & Estimating (ESW)	GBE- Asset Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
108	Program Learning Management-1	GBE- Business Enablement	4572	C210	$ 105,567	$ -	$ 117,297	$ 105,567	7.5%	$ 105,567	3/1/2018	120	$94,131	$83,574	$88,852	8.0210%	16.89%	$ 875	$ 1,783
109	Program Transformational Change Office-1	GBE- Business Enablement	4572	C210	$ 620,139	$ -	$ 689,043	$ 620,139	7.5%	$ 620,139	3/1/2018	120	$552,957	$490,943	$521,950	8.0210%	16.89%	$ 5,139	$ 10,474
110	Program Business Sustainment-1	GBE- Business Enablement	4572	C210	$ 62,655	$ -	$ 69,617	$ 62,655	7.5%	$ 62,655	3/1/2019	120	$62,133	$55,868	$59,000	8.0210%	16.89%	$ 581	$ 1,058
111	Program Learning Management-2	GBE- Business Enablement	4572	C210	$ 117,190	$ -	$ 130,211	$ 117,190	7.5%	$ 117,190	3/1/2019	120	$116,213	$104,494	$110,354	8.0210%	16.89%	$ 1,087	$ 1,979
112	Program Transformational Change Office -2	GBE- Business Enablement	4572	C210	$ 1,364,679	$ -	$ 1,516,310	$ 1,364,679	7.5%	$ 1,364,679	3/1/2019	120	$1,353,306	$1,216,839	$1,285,072	8.0210%	16.89%	$ 12,653	$ 23,049
113	Program Learning Management-3	GBE- Business Enablement	4572	C210	$ -	$ 173,060	$ 173,060	$ 173,060	7.5%	$ 160081	3/1/2020	120	$0	$158,747	$79,373	8.0210%	16.89%	$ 485	$ 225
114	Program Transformational Change Office-3	GBE- Business Enablement	4572	C210	$ -	$ 368,704	$ 368,704	$ 368,704	7.5%	$ 341051	3/1/2020	120	$0	$338,209	$169,105	8.0210%	16.89%	$ 1,034	$ 480
115	Program Business Sustainment-2	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
116	Program Learning Management-4	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
117	Program Transformational Change Office-4	GBE- Business Enablement	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
118	Customer Experience Program Leadership-1	GBE- Customer Engagement	4572	C210	$ 234,206	$ -	$ 260,229	$ 234,206	7.5%	$ 234206	3/1/2019	120	$232,254	$208,834	$220,544	8.0210%	16.89%	$ 2,172	$ 3,956
119	CxT Portal & Channel Management	GBE- Customer Engagement	4572	C210	$ 6,011,719	$ 5,195,313	$ 11,875,000	$ 11,207,031	7.5%	$ 10,817383	6/1/2019	120	$0	$9,915,934	$4,957,967	8.0210%	16.89%	$ 28,799	$ 152,255
120	Customer Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 1,602,424	$ 3,016,074	$ 4,796,546	$ 4,618,498	7.5%	$ 4,392293	10/1/2019	120	$0	$4,172,678	$2,086,339	8.0210%	16.89%	$ 12,414	$ 37,093
121	Employee Support Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 3,484,256	$ 4,082,735	$ 7,954,131	$ 7,566991	7.5%	$ 7,260786	10/1/2019	120	$0	$6,897,747	$3,448,873	8.0210%	16.89%	$ 20,522	$ 61,317
122	Customer Experience Program Leadership-2	GBE- Customer Engagement	4572	C210	$ -	$ 266,277	$ 266,277	$ 266,277	7.5%	$ 246306	3/1/2020	120	$0	$244,254	$122,127	8.0210%	16.89%	$ 747	$ 347
123	CRM / Contact Center	GBE- Customer Engagement	4572	C210	$ 13,680,000	$ 3,800,000	$ 19,000,000	$ 17,480,000	7.5%	$ 17,195000	6/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
124	Large Commercial & Landlord Interaction	GBE- Customer Engagement	4572	C210	$ 14,150	$ 19,653	$ 35,378	$ 33,803	7.5%	$ 32329	7/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
125	Employee Support Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	7/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
126	Customer Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	1/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
127	Customer Experience Program Leadership-3	GBE- Customer Engagement	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
128	Data Management Implementation (Quality & Cleansing)	GBE- Data Management	4572	C210	$ 9,990,000	$ -	$ 11,100,000	$ 9,990,000	7.5%	$ 9,990000	12/1/2017	120	$8,658,000	$7,659,000	$8,158,500	8.0210%	16.89%	$ 80,331	$ 168,731
129	Data Management & Governance Program Leadership-1	GBE- Data Management	4572	C210	$ 53,001	$ -	$ 58,890	$ 53,001	7.5%	$ 53001	3/1/2018	120	$47,259	$41,959	$44,609	8.0210%	16.89%	$ 439	$ 895
130	Enable the Data Archive Process	GBE- Data Management	4572	C210	$ 1,900,724	$ 67,564	$ 2,179,480	$ 1,968,288	7.5%	$ 1,963221	3/1/2019	120	$1,946,861	$1,750,539	$1,848,700	8.0210%	16.89%	$ 18,203	$ 33,159
131	Data Management & Governance Program Leadership-2	GBE- Data Management	4572	C210	$ 79,159	$ -	$ 87,954	$ 79,159	7.5%	$ 79159	3/1/2019	120	$78,499	$70,583	$74,541	8.0210%	16.89%	$ 734	$ 1,337
132	Data Management & Governance Program Leadership-3	GBE- Data Management	4572	C210	$ -	$ 89,713	$ 89,713	$ 89,713	7.5%	$ 82985	3/1/2020	120	$0	$82,293	$41,146	8.0210%	16.89%	$ 252	$ 117
133	PowerPlan Architecture Enhancements	GBE- Information Services Enabling	4572	C210	$ 5,472,100	$ -	$ 6,080,111	$ 5,472,100	7.5%	$ 5,472,100	11/1/2017	120	$4,696,886	$4,149,676	$4,423,281	8.0210%	16.89%	$ 43,553	$ 92,424
134	Comprehensive Integration Services (Enhancements)	GBE- Information Services Enabling	4572	C210	$ 70,762	$ -	$ 78,624	$ 70,762	7.5%	$ 70762	12/1/2017	120	$61,327	$54,251	$57,789	8.0210%	16.89%	$ 569	$ 1,195
135	Application (Environment) Infrastructure	GBE- Information Services Enabling	4572	C210	$ 1,956,969	$ -	$ 2,174,410	$ 1,956969	7.5%	$ 1,956969	12/1/2017	120	$1,696,040	$1,500,341	$1,598,191	8.0210%	16.89%	$ 15,736	$ 33,053
136	Development Operations & BPA Enablement-1	GBE- Information Services Enabling	4572	C210	$ 2,613,528	$ -	$ 2,903,920	$ 2,613,528	7.5%	$ 2,613,528	3/1/2018	120	$2,330,396	$2,069,043	$2,199,720	8.0210%	16.89%	$ 21,659	$ 44,142
137	SAP and Application Integration Development- Release 1-1	GBE- Information Services Enabling	4572	C210	$ 4,288,668	$ -	$ 4,765,187	$ 4,288,668	7.5%	$ 4,288,668	3/1/2018	120	$3,824,063	$3,395,196	$3,609,629	8.0210%	16.89%	$ 35,542	$ 72,436
138	Mobility CoE & End-User Computing-1	GBE- Information Services Enabling	4572	C210	$ 544,311	$ -	$ 604,790	$ 544,311	7.5%	$ 544,311	3/1/2018	120	$485,344	$430,913	$458,128	8.0210%	16.89%	$ 4,511	$ 9,193
139	Operations/System Monitoring	GBE- Information Services Enabling	4572	C210	$ 951,992	$ -	$ 1,057,768	$ 951,992	7.5%	$ 951992	8/1/2018	120	$888,526	$793,326	$840,926	8.0210%	16.89%	$ 8,280	$ 16,079
140	Development Operations & BPA Enablement-2	GBE- Information Services Enabling	4572	C210	$ 2,305,810	$ -	$ 2,562,011	$ 2,305,810	7.5%	$ 2,305810	3/1/2019	120	$2,286,595	$2,056,034	$2,171,304	8.0210%	16.89%	$ 21,379	$ 38,945
141	SAP and Application Integration Development- Release 1-2	GBE- Information Services Enabling	4572	C210	$ 4,090,351	$ -	$ 4,548,168	$ 4,093,351	7.5%	$ 4,093351	3/1/2019	120	$4,059,240	$3,649,905	$3,854,572	8.0210%	16.89%	$ 37,953	$ 69,137
142	SAP and Application Integration Development- Release 2-1	GBE- Information Services Enabling	4572	C210	$ 4,550,140	$ -	$ 5,055,712	$ 4,550,140	7.5%	$ 4,550140	3/1/2019	120	$4,512,223	$4,057,208	$4,284,716	8.0210%	16.89%	$ 42,189	$ 76,852
143	Mobility CoE & End-User Computing-2	GBE- Information Services Enabling	4572	C210	$ 828,483	$ -	$ 920,536	$ 828,483	7.5%	$ 828483	3/1/2019	120	$821,578	$738,730	$780,154	8.0210%	16.89%	$ 7,682	$ 13,993
144	Development Operations & BPA Enablement-3	GBE- Information Services Enabling	4572	C210	$ -	$ 2,164,144	$ 2,164,144	$ 2,164,144	7.5%	$ 2,001833	3/1/2020	120	$0	$1,985,151	$992,576	8.0210%	16.89%	$ 6,069	$ 2,818
145	SAP and Application Integration Development- Release 1-3	GBE- Information Services Enabling	4572	C210	$ -	$ 600,000	$ 600,000	$ 600,000	7.5%	$ 555000	3/1/2020	120	$0	$550,375	$275,188	8.0210%	16.89%	$ 1,683	$ 781
146	SAP and Application Integration Development- Release 2-2	GBE- Information Services Enabling	4572	C210	$ -	$ 4,397,065	$ 4,397,065	$ 4,397,065	7.5%	$ 4,067285	3/1/2020	120	$0	$4,033,391	$2,016,695	8.0210%	16.89%	$ 12,330	$ 5,725
147	SAP and Application Integration Development- Release 3-1	GBE- Information Services Enabling	4572	C210	$ -	$ 85,915	$ 85,915	$ 85,915	7.5%	$ 79471	3/1/2020	120	$0	$78,809	$39,404	8.0210%	16.89%	$ 241	$ 112
148	Mobility CoE & End-User Computing-3	GBE- Information Services Enabling	4572	C210	$ -	$ 1,031,843	$ 1,031,843	$ 1,031,843	7.5%	$ 954455	3/1/2020	120	$0	$946,501	$473,250	8.0210%	16.89%	$ 2,893	$ 1,343
149	Test Automation Implementation	GBE- Information Services Enabling	4572	C210	$ 1,372,852	$ 763,643	$ 2,289,034	$ 2,136,495	7.5%	$ 2,079221	12/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
150	Development Operations & BPA Enablement-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 7 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance at Fiscal Year End (FY20)	Adjusted Forecasted Balance at Fiscal Year End (FY20)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0280% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
151	SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
152	SAP and Application Integration Development- Release 3-2	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
153	Mobility CoE & End-User Computing-4	GBE- Information Services Enabling	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
154	Portfolio Management Leadership-1	GBE- Portfolio Office	4572	C210	$ 1,481,327	$ -	$ 1,645,939	$ 1,481,327	7.5%	$ 1,481,327	3/1/2018	120	$1,320,850	$1,172,717	$1,246,784	8.0210%	16.89%	$ 12,276	$ 25,020
155	Solution Architects & Agile Coaches-1	GBE- Portfolio Office	4572	C210	$ 1,762,449	$ -	$ 1,958,277	$ 1,762,449	7.5%	$ 1,762,449	3/1/2018	120	$1,571,517	$1,395,272	$1,483,395	8.0210%	16.89%	$ 14,606	$ 29,768
156	Portfolio Management Leadership-2	GBE- Portfolio Office	4572	C210	$ 1,930,034	$ -	$ 2,144,482	$ 1,930,034	7.5%	$ 1,930,034	3/1/2019	120	$1,913,950	$1,720,947	$1,817,448	8.0210%	16.89%	$ 17,895	$ 32,598
157	Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C210	$ 3,568,169	$ -	$ 3,964,632	$ 3,568,169	7.5%	$ 3,568,169	3/1/2019	120	$3,538,434	$3,181,617	$3,360,026	8.0210%	16.89%	$ 33,084	$ 60,266
158	Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C210	$ -	$ 2,161,221	$ 2,161,221	$ 2,161,221	7.5%	$ 1,999,129	3/1/2020	120	$0	$1,982,470	$991,235	8.0210%	16.89%	$ 6,060	$ 2,814
159	Solution Architects & Agile Coaches-3	GBE- Portfolio Office	4572	C210	$ -	$ 2,824,290	$ 2,824,290	$ 2,824,290	7.5%	$ 2,612,469	3/1/2020	120	$0	$2,590,698	$1,295,349	8.0210%	16.89%	$ 7,920	$ 3,677
160	Portfolio Management Leadership-4	GBE- Portfolio Office	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
161	Regulatory/ Compliance	GBE- Regulatory and Compliance	4572	C210	$ 2,025,000	$ 750,000	$ 3,000,000	$ 2,775,000	7.5%	$ 2,718,750	9/1/2019	120	$0	$2,560,156	$1,280,078	8.0210%	16.89%	$ 7,573	$ 26,786
162	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ 508,541	$ -	$ 565,045	$ 508,541	7.5%	$ 508,541	3/1/2019	120	$504,303	$453,449	$478,876	8.0210%	16.89%	$ 4,715	$ 8,589
163	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ -	$ 235,258	$ 235,258	$ 235,258	7.5%	$ 217,614	3/1/2020	120	$0	$215,800	$107,900	8.0210%	16.89%	$ 660	$ 306
164	Business Architecture Design	GBE- Work Management	4572	C210	$ 2,703,676	$ -	$ 3,004,085	$ 2,703,676	7.5%	$ 2,703,676	12/1/2017	120	$2,343,186	$2,072,839	$2,208,002	8.0210%	16.89%	$ 21,741	$ 45,665
165	WMFE Program Leadership-1	GBE- Work Management	4572	C210	$ 210,612	$ -	$ 234,013	$ 210,612	7.5%	$ 210,612	3/1/2018	120	$187,795	$166,734	$177,265	8.0210%	16.89%	$ 1,745	$ 3,557
166	Corrosion and I&R Work	GBE- Work Management	4572	C210	$ 22,230,426	$ 1,801,402	$ 26,479,653	$ 24,011,828	7.5%	$ 23,876,723	7/1/2018	120	$22,085,969	$19,698,296	$20,892,132	8.0210%	16.89%	$ 205,711	$ 403,278
167	CU Governance & Library - process	GBE- Work Management	4572	C210	$ 1,492,595	$ -	$ 1,658,439	$ 1,492,595	7.5%	$ 1,492,595	11/1/2018	120	$1,430,404	$1,281,144	$1,355,774	8.0210%	16.89%	$ 13,349	$ 25,210
168	WMFE Program Leadership-2	GBE- Work Management	4572	C210	$ 507,323	$ -	$ 563,692	$ 507,323	7.5%	$ 507,323	3/1/2019	120	$503,095	$452,363	$477,729	8.0210%	16.89%	$ 4,704	$ 8,569
169	Company Driven Work Collections and non-Appointment Offs - Gas	GBE- Work Management	4572	C210	$ 3,725,761	$ 1,170,911	$ 5,310,645	$ 4,896,672	7.5%	$ 4,808,853	10/1/2019	120	$0	$4,568,411	$2,284,205	8.0210%	16.89%	$ 13,592	$ 40,611
170	Company Driven Work Collections and non-Appointment Offs- Electric	GBE- Work Management	4572	C198	$ 2,006,178	$ 630,490	$ 2,859,577	$ 2,636,668	7.5%	$ 2,589,382	10/1/2019	120	$0	$2,459,912	$1,229,956	8.0210%	0.00%	$ -	$ -
171	Customer, Leak Investigation & Inspections - Gas	GBE- Work Management	4572	C210	$ 9,077,769	$ 10,288,028	$ 20,374,438	$ 19,365,797	7.5%	$ 18,594,195	10/1/2019	120	$0	$17,664,485	$8,832,243	8.0210%	16.89%	$ 52,555	$ 157,028
172	Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	$ 4,888,029	$ 5,539,707	$ 10,970,850	$ 10,427,736	7.5%	$ 10,012,258	10/1/2019	120	$0	$9,511,645	$4,755,822	8.0210%	0.00%	$ -	$ -
173	WMFE Program Leadership-3	GBE- Work Management	4572	C210	$ -	$ 595,004	$ 595,004	$ 595,004	7.5%	$ 550,379	3/1/2020	120	$0	$545,792	$272,896	8.0210%	16.89%	$ 1,668	$ 775
174	PowerPlan Integration & Enhancements	GBE- Work Management	4572	C210	$ -	$ 915,441	$ 915,441	$ 915,441	7.5%	$ 846,783	6/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
175	Construction Work & Leak Repair	GBE- Work Management	4572	C210	$ 1,649,290	$ 7,167,604	$ 9,000,148	$ 8,816894	7.5%	$ 8,279,323	9/1/2020	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
176	WMFE Program Leadership-4	GBE- Work Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	3/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
177	Work Forecasting & Planning - solution	GBE- Work Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	5/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
178	Core Projects & Program Management	GBE- Work Management	4572	C210	$ -	$ -	$ -	$ -	7.5%	$ -	6/1/2021	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
179	WMFE Optimization	GBE- Work Management	4572	C210	$ -	$ 346,828	$ 346,828	$ 346,828	7.5%	$ 320,816	3/1/2022	120	$0	$0	$0	8.0210%	16.89%	$ -	$ -
180	Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT	4426	C175	$ 673,662	$ 1,326,338	$ 2,000,000	$ 2,000,000	0.0%	$ 2,000,000	10/31/2019	84	$0	$1,880,952	$940,476	8.0210%	8.65%	$ 2,847	$ 10,298
181	Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	$ 2,861,062	$ 5,636,938	$ 8,500,000	$ 8,500,000	0.0%	$ 8,500,000	9/1/2019	84	$0	$7,791,667	$3,895,833	8.0210%	8.65%	$ 11,590	$ 61,276
182	Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance	4222	G020	$ 1,540,000	$ -	$ 1,540,000	$ 1,540,000	0.0%	$ 1,540,000	3/1/2019	84	$1,321,667	$1,301,667	$1,411,667	8.0210%	4.58%	$ 3,769	$ 10,076
183	US SAP: Business Planning	Growth Play Book-Finance	4217	G020	$ 4,643,000	$ -	$ 4,643,000	$ 4,643,000	0.0%	$ 4,643,000	3/31/2019	84	$4,643,000	$3,979,714	$4,311,357	8.0210%	4.58%	$ 11,511	$ 30,378
184	US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	G020	$ 442,933	$ 872,067	$ 1,315,000	$ 1,315,000	0.0%	$ 1,315,000	10/30/2019	84	$0	$1,236,726	$618,363	8.0210%	4.58%	$ 991	$ 3,585
185	DRMS for C&I Demand Response	NY REV / Grid Mod		5210E	$ 1,190,159	$ 2,239,474	$ 3,429,633	$ 3,429633	0.0%	$ 3,429,633	5/1/2019	36	$0	$2,381,690	$1,190,845	8.0210%	0.00%	$ -	$ -
186	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729	C113	$ 8,526,273	$ -	$ 8,526,273	$ 8,526,273	0.0%	$ 8,526,273	3/31/2017	84	$6,090,195	$4,872,156	$5,481,175	8.0210%	27.09%	$ 88,437	$ 329,967
187	Plant Information Historian	NY REV / Grid Mod	4704K	G198	$ 2,500,000	$ 3,100,000	$ 5,600,000	$ 5,600,000	0.0%	$ 5,600,000	9/30/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
188	DG IOAP Phase II (Tactical)	NY REV / Grid Mod	4704P	5210E	$ 308,482	$ 607,355	$ 915,837	$ 915837	0.0%	$ 915,837	4/1/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
189	E-Commerce Marketplace	NY REV / Grid Mod	4704D	5210E	$ 532,244	$ 598,573	$ 1,130,816	$ 1,130816	0.0%	$ 1,130,816	5/1/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
190	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ 491,473	$ 491,473	$ 491,473	0.0%	$ 491,473	5/1/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
191	AMI - CSS Enhancements	NY REV / Grid Mod	4704A	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	27.09%	$ -	$ -
192	Green Button Connect	NY REV / Grid Mod	4704C	C113	$ 1,035,000	$ 1,163,984	$ 2,198,984	$ 2,198984	0.0%	$ 2,198984	3/31/2021	84	$0	$0	$0	8.0210%	27.09%	$ -	$ -
193	DSP - DG IOAP	NY REV / Grid Mod	4704F	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
194	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
195	Outdoor Lighting Inventory Portal	NY REV / Grid Mod	4704O	5210E	$ 370,514	$ 416,688	$ 787,202	$ 787202	0.0%	$ 787,202	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
196	DRMS for C&I Demand Response (Renewal)	NY REV / Grid Mod		5210E	$ -	$ 2,000,000	$ 2,000,000	$ 2,000,000	0.0%	$ 2,000,000	5/1/2021	12	$0	$0	$0	8.0210%	0.00%	$ -	$ -
197	Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
198	AMI - Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ 743,347	$ 743,347	$ 743,347	0.0%	$ 743,347	3/31/2022	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
199	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0210%	27.09%	$ -	$ -
200	AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
201	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0210%	27.09%	$ -	$ -
202	AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
203	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	8.0210%	27.09%	$ -	$ -
204	IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	5210E	$ -	$ 1,300,000	$ 1,300,000	$ 1,300000	0.0%	$ 1,300000	3/31/2022	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
205	Cyber Security	NY REV / Grid Mod	4704N	C113	$ -	$ 2,300,000	$ 2,300,000	$ 2,300000	0.0%	$ 2,300000	3/31/2022	84	$0	$0	$0	8.0210%	27.09%	$ -	$ -
206	Cyber Security	NY REV / Grid Mod	4704N	5210E	$ -	$ 3,000,000	$ 3,000,000	$ 3,000000	0.0%	$ 3,000000	3/31/2022	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
207	Residential Solar Marketplace	NY REV / Grid Mod		5210E	$ 54,350	$ -	$ 54,350	$ 54350	0.0%	$ 54,350	3/31/2019	36	$54,350	$36,233	$45,292	8.0210%	0.00%	$ -	$ -
208	INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	$ 1,668,447	$ -	$ 1,668,447	$ 1,668,447	0.0%	$ 1,668,447	12/16/2016	84	$1,112,298	$873,949	$993,123	8.0210%	19.47%	$ 11,536	$ 46,407
209	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851	G181	$ 1,234,000	$ -	$ 1,234,000	$ 1,234000	0.0%	$ 1,234000	3/31/2018	84	$1,057,714	$881,429	$969,571	8.0210%	0.00%	$ -	$ -
210	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY 18	Other Mandates	4400	G020	$ 1,126,000	$ -	$ 1,126,000	$ 1,126000	0.0%	$ 1,126000	12/31/2017	84	$924,929	$764,071	$844,500	8.0210%	4.58%	$ 2,255	$ 7,367
211	Regulatory Mandates - FY18	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
212	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479	G210	$ 3,000,000	$ -	$ 3,000,000	$ 3,000000	0.0%	$ 3,000000	5/1/2018	84	$2,607,143	$2,178,571	$2,392,857	8.0210%	12.44%	$ 17,353	$ 53,314
213	Regulatory Mandates - FY19	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
214	Regulatory Mandates - FY20	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
215	Regulatory Mandates - FY21	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
216	Physical Security Replacements - FY17	Physical Security		G020	$ 2,719,184	$ -	$ 2,719,184	$ 2,719184	0.0%	$ 2,719,184	3/31/2017	84	$1,942,275	$1,553,830	$1,748,047	8.0210%	4.58%	$ 4,768	$ 17,791
217	Physical Security Replacements - FY17	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
218	Physical Security Replacements - FY17	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
219	Physical Security Replacements - FY18	Physical Security		G020	$ 950,000	$ -	$ 950,000	$ 950000	0.0%	$ 950000	3/31/2018	84	$814,286	$678,571	$746,429	8.0210%	4.58%	$ 1,993	$ 6,216
220	All NIMO Physical Security Replacements - FY18	Physical Security		G114	$ 490,000	$ -	$ 490,000	$ 490000	0.0%	$ 490000	3/31/2018	84	$420,000	$350,000	$385,000	8.0210%	15.97%	$ 3,584	$ 11,179
221	Physical Security Replacements - FY18	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
222	Physical Security Replacements - FY18	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
223	Physical Security Replacements - FY19	Physical Security		G020	$ 825,000	$ -	$ 825,000	$ 825000	0.0%	$ 825000	3/31/2019	84	$825,000	$707,143	$766,071	8.0210%	4.58%	$ 2,045	$ 5,398
224	All NIMO Physical Security Replacements - FY19	Physical Security		G114	$ 275,000	$ -	$ 275,000	$ 275000	0.0%	$ 275000	3/31/2019	84	$275,000	$235,714	$255,357	8.0210%	15.97%	$ 2,377	$ 6,274
225	Physical Security Replacements - FY19	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
226	Physical Security Replacements - FY19	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
227	Physical Security Replacements - FY20	Physical Security		G020	$ -	$ 835,000	$ 835,000	$ 835000	0.0%	$ 835000	3/31/2020	84	$0	$835,000	$417,500	8.0210%	4.58%	$ 696	$ -
228	All NIMO Physical Security Replacements - FY20	Physical Security		G114	$ -	$ 282,000	$ 282,000	$ 282000	0.0%	$ 282000	3/31/2020	84	$0	$282,000	$141,000	8.0210%	15.97%	$ 819	$ -
229	Physical Security Replacements - FY20	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
230	Physical Security Replacements - FY20	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 8 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2020

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY19)	FY20 Incremental Additions	Forecasted Balance at Fiscal Year End (FY20)	Adjusted Forecasted Balance at Fiscal Year End (FY20)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY20)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
													4/1/2019	3/31/2020		8.0210%	5210G		
231	Physical Security Replacements - FY21	Physical Security		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
232	All NIMO Physical Security Replacements - FY21	Physical Security		G114	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	15.97%	$ -	$ -
233	Physical Security Replacements - FY21	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
234	Physical Security Replacements - FY21	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
235	INVP 4451 Gas Transportation System Phase II	PSC Mandate	4451	G225	$ -	$ -	$ -	$ -	0.0%	$ -	5/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
236	INVP 4347 NYC Leave on for Landlord Program	PSC Mandate	4347	5220G	$ -	$ -	$ -	$ -	0.0%	$ -	7/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
237	INVP 4124 Auto Remote Net Meter	PSC Mandate	4124	C198	$ 3,584,165	$ -	$ 3,584,165	$ 3,584,165	0.0%	$ 3,584,165	12/31/2017	84	$2,944,136	$2,432,112	$2,688,124	8.0210%	0.00%	$ -	$ -
238	INVP 3839A NY Retail Access Ph2	PSC Mandate	3839A	C170	$ 5,356,231	$ -	$ 5,356,231	$ 5,356,231	0.0%	$ 5,356,231	10/31/2017	84	$4,272,232	$3,507,056	$3,889,644	8.0210%	14.88%	$ 33,741	$ 113,858
239	INVP 4411A/B Distributed Generation Portal	PSC Mandate	4411A-B	C198	$ 3,347,611	$ -	$ 3,347,611	$ 3,347,611	0.0%	$ 3,347,611	11/30/2017	84	$2,709,971	$2,231,740	$2,470,856	8.0210%	0.00%	$ -	$ -
240	INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170	$ 551,447	$ -	$ 551,447	$ 551,447	0.0%	$ 551,447	12/31/2017	84	$452,974	$374,196	$413,585	8.0210%	14.88%	$ 3,588	$ 11,722
241	INVP 4448 Low Income Order CRIS	PSC Mandate	4448	5220G	$ -	$ -	$ -	$ -	0.0%	$ -	12/31/2017	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
242	INVP 4448 Low Income Order CSS	PSC Mandate	4448	C195	$ 2,489,410	$ -	$ 2,489,410	$ 2,489,410	0.0%	$ 2,489,410	12/31/2017	84	$2,044,873	$1,689,243	$1,867,058	8.0210%	21.56%	$ 23,467	$ 76,674
243	INVP 4411C New Electric Connections	PSC Mandate	4411C	C198	$ 698,000	$ -	$ 698,000	$ 698,000	0.0%	$ 698,000	4/30/2018	84	$606,595	$506,881	$556,738	8.0210%	0.00%	$ -	$ -
244	INVP 4411D New Gas Connections	PSC Mandate	4411D	C210	$ 896,000	$ -	$ 896,000	$ 896,000	0.0%	$ 896,000	10/31/2018	84	$842,667	$714,667	$778,667	8.0210%	16.89%	$ 7,667	$ 21,619
245	CPE Buyback	Tech. Modernization	4684	G020	$ 5,135,450	$ -	$ 5,135,450	$ 5,135,450	0.0%	$ 5,135,450	4/1/2017	84	$3,668,179	$2,934,543	$3,301,361	8.0210%	4.58%	$ 9,006	$ 33,601
246	Active Directory Improvements	Tech. Modernization	4489	G020	$ 275,000	$ -	$ 275,000	$ 275,000	0.0%	$ 275,000	3/31/2018	84	$235,714	$196,429	$216,071	8.0210%	4.58%	$ 577	$ 1,799
247	Application Performance Management (APM)	Tech. Modernization	4490	G020	$ 343,638	$ 31,362	$ 375,000	$ 375,000	0.0%	$ 375,000	5/31/2019	84	$0	$330,357	$165,179	8.0210%	4.58%	$ 253	$ 2,045
248	RAS/VPN Re-Platform/Mobile	Tech. Modernization	4269	G020	$ 600,000	$ -	$ 600,000	$ 600,000	0.0%	$ 600,000	3/16/2018	84	$507,143	$421,429	$464,286	8.0210%	4.58%	$ 1,240	$ 3,926
249	US Network Programme	Tech. Modernization	4496	G020	$ 3,025,000	$ -	$ 3,025,000	$ 3,025,000	0.0%	$ 3,025,000	8/31/2018	84	$2,772,917	$2,340,774	$2,556,845	8.0210%	4.58%	$ 6,827	$ 19,792
250	US VSTIG Programme	Tech. Modernization	4498	G020	$ 2,700,000	$ -	$ 2,700,000	$ 2,700,000	0.0%	$ 2,700,000	3/31/2018	84	$2,314,286	$1,928,571	$2,121,429	8.0210%	4.58%	$ 5,664	$ 17,666
251	US Wireless Programme	Tech. Modernization	4499	G020	$ 1,950,000	$ -	$ 1,950,000	$ 1,950,000	0.0%	$ 1,950,000	3/31/2018	84	$1,671,429	$1,392,857	$1,532,143	8.0210%	4.58%	$ 4,091	$ 12,759
252	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 412,366	$ 37,634	$ 450,000	$ 450,000	0.0%	$ 450,000	5/1/2019	84	$0	$391,071	$195,536	8.0210%	4.58%	$ 296	$ 2,699
253	RSA Re-platform	Tech. Modernization	4270	G020	$ 256,583	$ 23,417	$ 280,000	$ 280,000	0.0%	$ 280,000	5/1/2019	84	$0	$243,333	$121,667	8.0210%	4.58%	$ 184	$ 1,679
254	Cloud Broker - Hybrid Enablement	Tech. Modernization	3899	G020	$ 250,000	$ -	$ 250,000	$ 250,000	0.0%	$ 250,000	3/31/2018	84	$214,286	$178,571	$196,429	8.0210%	4.58%	$ 524	$ 1,636
255	Office 2010 Upgrade	Tech. Modernization	4265	G020	$ 733,095	$ 66,905	$ 800,000	$ 800,000	0.0%	$ 800,000	4/30/2019	84	$0	$695,238	$347,619	8.0210%	4.58%	$ 527	$ 4,798
256	Citrix Infrastructure Upgrade (Xenapp and NetScaler)	Tech. Modernization	4279	G020	$ 500,000	$ -	$ 500,000	$ 500,000	0.0%	$ 500,000	4/30/2018	84	$434,524	$363,095	$398,810	8.0210%	4.58%	$ 1,065	$ 3,271
257	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 3,086,892	$ 281,721	$ 3,368,613	$ 3,368,613	0.0%	$ 3,368,613	4/30/2019	84	$0	$2,927,485	$1,463,743	8.0210%	4.58%	$ 2,218	$ 20,204
258	Data Security	Tech. Modernization	4710	G020	$ 548,076	$ 1,026,924	$ 1,575,000	$ 1,575,000	0.0%	$ 1,575,000	7/30/2019	84	$0	$1,425,000	$712,500	8.0210%	4.58%	$ 1,112	$ 6,870
259	Orchestration and Self Service	Tech. Modernization	4726	G020	$ 252,623	$ 497,377	$ 750,000	$ 750,000	0.0%	$ 750,000	5/30/2019	84	$0	$660,714	$330,357	8.0210%	4.58%	$ 506	$ 4,089
260	Virtual Desktop - DaaS	Tech. Modernization	4727	G020	$ 550,000	$ -	$ 550,000	$ 550,000	0.0%	$ 550,000	9/30/2018	84	$510,714	$432,143	$471,429	8.0210%	4.58%	$ 1,259	$ 3,599
261	SCI connections	Tech. Modernization	4495	G020	$ 100,000	$ -	$ 100,000	$ 100,000	0.0%	$ 100,000	9/30/2018	84	$92,857	$78,571	$85,714	8.0210%	4.58%	$ 229	$ 654
262	US S.A.P. Dynamic Storage Tiering	Tech. Modernization	4560	G020	$ 456,406	$ 513,284	$ 969,690	$ 969,690	0.0%	$ 969,690	7/5/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
263	ICE Replacement	Tech. Modernization	4491	G020	$ 3,336,000	$ -	$ 3,316,000	$ 3,316,000	0.0%	$ 3,316,000	10/31/2018	84	$3,118,619	$2,644,905	$2,881,762	8.0210%	4.58%	$ 7,694	$ 21,696
264	US Network Programme	Tech. Modernization	4496	G020	$ -	$ 2,075,000	$ 2,075,000	$ 2,075,000	0.0%	$ 2,075,000	3/31/2020	84	$0	$2,075,000	$1,037,500	8.0210%	4.58%	$ 1,729	$ -
265	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ 643,973	$ 643,973	$ 643,973	0.0%	$ 643,973	9/30/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
266	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ 568,211	$ 568,211	$ 568,211	0.0%	$ 568,211	9/30/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
267	Data Visualisation Expansion	Tech. Modernization	4606	G020	$ 943,126	$ 929,380	$ 1,872,506	$ 1,872,506	0.0%	$ 1,872,506	9/30/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
268	US S.A.P. Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Modernization	4562	G020	$ 796,942	$ 896,258	$ 1,693,200	$ 1,693,200	0.0%	$ 1,693,200	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
269	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ 378,807	$ 378,807	$ 378,807	0.0%	$ 378,807	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
270	MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	G020	$ 168,415	$ 189,404	$ 357,819	$ 357,819	0.0%	$ 357,819	4/30/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
271	Improving End User Experience- Cloud based DMZ Service Platform	Tech. Modernization	4723	G020	$ 300,000	$ -	$ 300,000	$ 300,000	0.0%	$ 300,000	3/31/2019	84	$300,000	$257,143	$278,571	8.0210%	4.58%	$ 744	$ 1,963
272	Mobile Broadband POC	Tech. Modernization		G020	$ 100,000	$ -	$ 100,000	$ 100,000	0.0%	$ 100,000	3/31/2019	84	$100,000	$85,714	$92,857	8.0210%	4.58%	$ 248	$ 654
273	FY19 Edge Projects	Tech. Modernization	4717	G020	$ 336,831	$ 378,807	$ 715,638	$ 715,638	0.0%	$ 715,638	5/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
274	FY19 Network Projects	Tech. Modernization	4718	G020	$ 336,831	$ 378,807	$ 715,638	$ 715,638	0.0%	$ 715,638	5/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
275	Digital Asset Management (DAM)	Tech. Modernization	4711	G020	$ 168,415	$ 189,404	$ 357,819	$ 357,819	0.0%	$ 357,819	5/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
276	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 1,338,308	$ 2,634,928	$ 3,973,236	$ 3,973,236	0.0%	$ 3,973,236	3/31/2020	84	$0	$3,973,236	$1,986,618	8.0210%	4.58%	$ 3,310	$ -
277	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 1,134,653	$ 2,233,960	$ 3,368,613	$ 3,368,613	0.0%	$ 3,368,613	4/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
278	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 1,134,653	$ 2,233,960	$ 3,368,613	$ 3,368,613	0.0%	$ 3,368,613	4/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
279	EUC, network, and data center strategy	Tech. Modernization	4715	G020	$ 519,682	$ 1,023,176	$ 1,542,858	$ 1,542,858	0.0%	$ 1,542,858	4/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
280	Data Security	Tech. Modernization	4710	G020	$ 530,509	$ 1,044,491	$ 1,575,000	$ 1,575,000	0.0%	$ 1,575,000	4/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
281	FY19 Data Centre Projects	Tech. Modernization	4716	G020	$ 673,662	$ 1,326,338	$ 2,000,000	$ 2,000,000	0.0%	$ 2,000,000	4/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
282	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization	4706	G020	$ 3,300,000	$ -	$ 3,300,000	$ 3,300,000	0.0%	$ 3,300,000	4/1/2019	84	$3,300,000	$2,828,571	$3,064,286	8.0210%	4.58%	$ 8,182	$ 21,591
283	US Video Conference Programme	Tech. Modernization	4497	G020	$ 1,000,000	$ 650,000	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	4/1/2020	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
284	US S.A.P. Enhancement Pack 9 Upgrade	Tech. Modernization	4564	G020	$ 1,600,798	$ 3,341,460	$ 4,942,257	$ 4,942,257	0.0%	$ 4,942,257	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
285	US Network Programme	Tech. Modernization	4496	G020	$ 530,509	$ 596,622	$ 1,127,130	$ 1,127,130	0.0%	$ 1,127,130	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
286	US VSTIG Programme	Tech. Modernization	4498	G020	$ -	$ 265,165	$ 265,165	$ 265,165	0.0%	$ 265,165	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
287	US Wireless Programme	Tech. Modernization	4499	G020	$ -	$ 568,211	$ 568,211	$ 568,211	0.0%	$ 568,211	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
288	Monitoring and Alerting	Tech. Modernization	4493	G020	$ -	$ 378,807	$ 378,807	$ 378,807	0.0%	$ 378,807	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
289	Service Now - Release 3	Tech. Modernization	4261	G020	$ -	$ 1,235,433	$ 1,235,433	$ 1,235,433	0.0%	$ 1,235,433	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
290	IS Tools	Tech. Modernization	4513	G020	$ 173,770	$ 151,523	$ 325,293	$ 325,293	0.0%	$ 325,293	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
291	FY20 Edge Projects	Tech. Modernization	4720	G020	$ 665,020	$ 757,615	$ 1,422,634	$ 1,422,634	0.0%	$ 1,422,634	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
292	FY20 Network Projects	Tech. Modernization	4721	G020	$ 996,989	$ 1,518,240	$ 2,515,229	$ 2,515,229	0.0%	$ 2,515,229	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
293	EMM Licenses	Tech. Modernization	4713	G020	$ 444,617	$ 500,026	$ 944,642	$ 944,642	0.0%	$ 944,642	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
294	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 800,000	$ 1,505,091	$ 2,305,091	$ 2,305,091	0.0%	$ 2,305,091	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
295	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 800,000	$ 1,507,364	$ 2,307,364	$ 2,307,364	0.0%	$ 2,307,364	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
296	Data Security	Tech. Modernization	4710	G020	$ 530,509	$ 596,622	$ 1,127,130	$ 1,127,130	0.0%	$ 1,127,130	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
297	Hardware and Software Upgrades	Tech. Modernization	4722	G020	$ -	$ 2,296,454	$ 2,296,454	$ 2,296,454	0.0%	$ 2,296,454	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
298	Data Centre Consolidation efforts	Tech. Modernization	4709	G020	$ 500,000	$ 1,000,000	$ 1,500,000	$ 1,500,000	0.0%	$ 1,500,000	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
299	FY20 Data Centre Projects	Tech. Modernization	4719	G020	$ -	$ 1,400,000	$ 1,400,000	$ 1,400,000	0.0%	$ 1,400,000	3/31/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
300	Enterprise Data Management Platform	Tech. Modernization	4582	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	6/1/2021	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
301	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2022	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
302	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ -	$ 800,000	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2022	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
	Total IS				$ 438,454,267	$ 163,693,003	$ 618,261,568	$ 602,147,271		$ 596,620,295			$ 276,417,346	$ 380,900,331	$ 328,658,838			$ 1,773,595	$ 4,400,677
																	NIMO G	$ 6,174,272	

Case 17-G-0239
Appendix 6
Schedule 17
Page 9 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance at Fiscal Year End (FY21)	Adjusted Forecasted Balance at Fiscal Year End (FY21)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
													4/1/2020	3/31/2021		7.9910%	5210G		
1	Cloud Security	Cyber Security	3683	G020	$ 1,460,000	$ -	$ 1,460,000	$ 1,460,000	0.0%	$ 1,460,000	3/31/2018	84	$1,042,857	$834,286	$938,571	7.9910%	4.58%	$ 2,497	$ 9,553
2	Risk Based Authentication - 2FA token alternative	Cyber Security	3683	G020	$ 235,080	$ -	$ 235,080	$ 235,080	0.0%	$ 235,080	6/1/2018	84	$173,511	$139,929	$156,720	7.9910%	4.58%	$ 417	$ 1,538
3	INVP 3614D1 Ent Network Security	Cyber Security	3614D1	G020	$ 9,674,142	$ -	$ 9,674,142	$ 9,674,142	0.0%	$ 9,674,142	11/30/2017	84	$6,449,428	$5,067,408	$5,758,418	7.9910%	4.58%	$ 15,317	$ 63,297
4	Threat Behavior Modeling	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	$ 800,000	0.0%	$ 800,000	7/1/2018	84	$600,000	$485,714	$542,857	7.9910%	4.58%	$ 1,444	$ 5,234
5	Identity & Access Management :Role Base Access Management (RBAC)	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	6/1/2018	84	$1,217,857	$982,143	$1,100,000	7.9910%	4.58%	$ 2,926	$ 10,796
6	Enhanced DLP Gateway and Endpoint	Cyber Security	3683	G020	$ 2,238,480	$ -	$ 2,238,480	$ 2,238,480	0.0%	$ 2,238,480	10/1/2018	84	$1,758,806	$1,439,023	$1,598,914	7.9910%	4.58%	$ 4,253	$ 14,646
7	INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020	$ 4,829,586	$ -	$ 4,829,586	$ 4,829,586	0.0%	$ 4,829,586	12/31/2017	84	$3,277,219	$2,587,278	$2,932,249	7.9910%	4.58%	$ 7,800	$ 31,599
8	INVP 3614E4 US CNI Security I&E	Cyber Security	3614E4	G020	$ 1,340,144	$ -	$ 1,340,144	$ 1,340,144	0.0%	$ 1,340,144	12/31/2017	84	$909,384	$717,934	$813,659	7.9910%	4.58%	$ 2,164	$ 8,768
9	US CNI Intrusion Detection/Prevention Phase 1	Cyber Security	3683	G020	$ 550,000	$ -	$ 550,000	$ 550,000	0.0%	$ 550,000	7/31/2018	84	$419,048	$340,476	$379,762	7.9910%	4.58%	$ 1,010	$ 3,599
10	Identity & Access Management: Fine Grain Access Management	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	8/31/2018	84	$1,276,786	$1,041,071	$1,158,929	7.9910%	4.58%	$ 3,083	$ 10,796
11	vStig Scaling Upgrades	Cyber Security	3683	G020	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	8/1/2018	84	$761,905	$619,048	$690,476	7.9910%	4.58%	$ 1,837	$ 6,543
12	IT/O T Discovery and Implementation Phase 1	Cyber Security	3683	G020	$ 5,500,000	$ -	$ 5,500,000	$ 5,500,000	0.0%	$ 5,500,000	6/1/2019	84	$4,845,238	$4,059,524	$4,452,381	7.9910%	4.58%	$ 11,843	$ 35,986
13	Security Research Lab	Cyber Security	3683	G020	$ 325,000	$ -	$ 325,000	$ 325,000	0.0%	$ 325,000	6/1/2019	84	$286,310	$239,881	$263,095	7.9910%	4.58%	$ 700	$ 2,126
14	US CNI Security Enhancements Phase 1	Cyber Security	3683	G020	$ 1,650,000	$ -	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	6/1/2019	84	$1,453,571	$1,217,857	$1,335,714	7.9910%	4.58%	$ 3,553	$ 10,796
15	Identity & Access Management: Privileged Access Management	Cyber Security	3683	G020	$ 1,740,000	$ -	$ 1,740,000	$ 1,740,000	0.0%	$ 1,740,000	3/31/2019	84	$1,491,429	$1,242,857	$1,367,143	7.9910%	4.58%	$ 3,637	$ 11,385
16	Domain Based Security Phase 1	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2019	84	$685,714	$571,429	$628,571	7.9910%	4.58%	$ 1,672	$ 5,234
17	Security Incident Event Management Phase 4	Cyber Security	3683	G020	$ 1,266,300	$ -	$ 1,266,300	$ 1,266,300	0.0%	$ 1,266,300	5/1/2019	84	$1,100,475	$919,575	$1,010,025	7.9910%	4.58%	$ 2,687	$ 8,285
18	Big Data Security Analytics Phase 1	Cyber Security	3683	G020	$ 4,621,552	$ -	$ 4,621,552	$ 4,621,552	0.0%	$ 4,621,552	5/1/2019	84	$4,016,349	$3,356,127	$3,686,238	7.9910%	4.58%	$ 9,805	$ 30,238
19	US CNI Intrusion Detection/Prevention Phase 2	Cyber Security	3683	G020	$ 800,000	$ -	$ 800,000	$ 800,000	0.0%	$ 800,000	3/31/2020	84	$800,000	$685,714	$742,857	7.9910%	4.58%	$ 1,976	$ 5,234
20	Identity & Access Management: Shared Area Access Management	Cyber Security	3683	G020	$ 1,740,000	$ -	$ 1,740,000	$ 1,740,000	0.0%	$ 1,740,000	3/31/2020	84	$1,740,000	$1,491,429	$1,615,714	7.9910%	4.58%	$ 4,298	$ 11,385
21	Security Incident Event Management Phase 5	Cyber Security	3683	G020	$ 533,616	$ 199,534	$ 733,150	$ 733,150	0.0%	$ 733,150	5/1/2020	84	$0	$637,142	$318,571	7.9910%	4.58%	$ 481	$ 4,397
22	Domain Based Security Phase 2	Cyber Security	3683	G020	$ 3,884,896	$ 1,687,806	$ 5,572,702	$ 5,572,702	0.0%	$ 5,572,702	4/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
23	Security Incident Event Management (SIEM) 6	Cyber Security	3683	G020	$ 524,670	$ 166,362	$ 691,032	$ 691,032	0.0%	$ 691,032	5/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
24	Big Data Security Analytics - Phase 2	Cyber Security	3683	G020	$ 2,688,347	$ 2,464,628	$ 5,152,975	$ 5,152,975	0.0%	$ 5,152,975	5/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
25	IT/O T Discovery and Implementation: Phase 2	Cyber Security	3683	G020	$ 2,651,651	$ 3,469,885	$ 6,121,536	$ 6,121,536	0.0%	$ 6,121,536	10/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
26	US CNI Security Enhancements - Phase 2	Cyber Security	3683	G020	$ 1,500,077	$ 1,962,963	$ 3,463,040	$ 3,463,040	0.0%	$ 3,463,040	11/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
27	Data Visualization	Cyber Security	3683	G020	$ 378,807	$ 495,698	$ 874,505	$ 874,505	0.0%	$ 874,505	12/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
28	INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	C277	$ -	$ -	$ -	$ -	0.0%	$ -	5/26/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
29	INVP 4045 Double Pole Mgmt DB	FY18 Plan	4045	G198	$ 432,455	$ -	$ 432,455	$ 432,455	0.0%	$ 432,455	3/4/2017	84	$241,969	$180,190	$211,079	7.9910%	0.00%	$ -	$ -
30	INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	G020	$ 259,667	$ -	$ 259,667	$ 259,667	0.0%	$ 259,667	2/20/2017	84	$145,290	$108,195	$126,742	7.9910%	4.58%	$ 347	$ 1,699
31	INVP 3955 EJ Ward Upgrade	FY18 Plan	3955	G235	$ -	$ -	$ -	$ -	0.0%	$ -	3/7/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
32	INVP 4188 Aging System Stabilize	FY18 Plan	4188	G148	$ 854,204	$ -	$ 854,204	$ 854,204	0.0%	$ 854,204	12/1/2017	84	$569,469	$447,440	$508,455	7.9910%	4.83%	$ 1,426	$ 5,894
33	INVP 4280 US VSTIG Bandwidth Ph2	FY18 Plan	4280	G020	$ 2,256,401	$ -	$ 2,256,401	$ 2,256,401	0.0%	$ 2,256,401	12/1/2017	84	$1,504,267	$1,181,924	$1,343,096	7.9910%	4.58%	$ 3,573	$ 14,763
34	INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	G020	$ 13,464,281	$ -	$ 13,464,281	$ 13,464,281	0.0%	$ 13,464,281	7/31/2017	84	$8,335,031	$6,411,563	$7,373,297	7.9910%	4.58%	$ 20,112	$ 88,095
35	INVP 4364 Wireless Network	FY18 Plan	4364	G020	$ 2,303,959	$ -	$ 2,303,959	$ 2,303,959	0.0%	$ 2,303,959	3/31/2018	84	$1,645,685	$1,316,548	$1,481,116	7.9910%	4.58%	$ 3,940	$ 15,074
36	S005242 M112 Systemic Improvement	FY18 Plan		G020	$ 8,275,650	$ -	$ 8,275,650	$ 8,275,650	0.0%	$ 8,275,650	12/1/2017	120	$6,344,665	$5,517,100	$5,930,882	7.9910%	4.58%	$ 15,776	$ 37,902
37	INVP 4289 US Network Improvement	FY18 Plan	4289	G020	$ 1,336,479	$ -	$ 1,336,479	$ 1,336,479	0.0%	$ 1,336,479	12/1/2017	84	$890,986	$700,061	$795,523	7.9910%	4.58%	$ 2,116	$ 8,744
38	HANA License Costs	FY18 Plan	4649	G020	$ 3,826,068	$ -	$ 3,826,068	$ 3,826,068	0.0%	$ 3,826,068	3/31/2017	84	$2,186,325	$1,639,744	$1,913,034	7.9910%	4.58%	$ 5,230	$ 25,033
39	Microsoft ELA Renewal	FY18 Plan	4642	G020	$ 3,207,476	$ -	$ 3,207,476	$ 3,207,476	0.0%	$ 3,207,476	3/31/2017	84	$1,832,843	$1,374,632	$1,603,738	7.9910%	4.58%	$ 4,385	$ 20,986
40	Mobile Device Refresh - FY17	FY18 Plan	4671	G020	$ 4,138,561	$ -	$ 4,138,561	$ 4,138,561	0.0%	$ 4,138,561	3/31/2017	84	$2,364,892	$1,773,669	$2,069,280	7.9910%	4.58%	$ 5,658	$ 27,078
41	Zscaler	FY18 Plan	4681	G020	$ 2,100,000	$ -	$ 2,100,000	$ 2,100,000	0.0%	$ 2,100,000	4/1/2018	84	$1,500,000	$1,200,000	$1,350,000	7.9910%	4.58%	$ 3,591	$ 13,740
42	INVP 2577C AteFM Software Upgrade	FY18 Plan	2577C	G112	$ -	$ -	$ -	$ -	0.0%	$ -	4/10/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
43	INVP 4631 Box Enablement	FY18 Plan	4631	G020	$ 254,000	$ -	$ 254,000	$ 254,000	0.0%	$ 254,000	3/31/2018	84	$181,429	$145,143	$163,286	7.9910%	4.58%	$ 434	$ 1,662
44	INVP 4170 Time Transformation	FY18 Plan	4170	G020	$ 2,676,143	$ -	$ 2,676,143	$ 2,676,143	0.0%	$ 2,676,143	4/30/2017	84	$1,561,083	$1,178,777	$1,369,930	7.9910%	4.58%	$ 3,743	$ 17,510
45	INVP 4420 US CNI OMS/FocalPoint Infrastructure Upgrade	FY18 Plan	4420	G198	$ 705,521	$ -	$ 705,521	$ 705,521	0.0%	$ 705,521	5/23/2017	84	$419,953	$319,164	$369,559	7.9910%	0.00%	$ -	$ -
46	INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G020	$ 608,000	$ -	$ 608,000	$ 608,000	0.0%	$ 608,000	3/31/2018	84	$434,286	$347,429	$390,857	7.9910%	4.58%	$ 1,040	$ 3,978
47	US Video Conferencing upgrade for RW	FY18 Plan	4632	G020	$ 1,702,730	$ -	$ 1,702,730	$ 1,702,730	0.0%	$ 1,702,730	7/31/2017	84	$1,054,071	$810,824	$932,448	7.9910%	4.58%	$ 2,543	$ 11,141
48	Hix D/C Improvement Server Refresh	FY18 Plan	4676	G020	$ 1,000,000	$ -	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	3/31/2018	84	$714,286	$571,429	$642,857	7.9910%	4.58%	$ 1,710	$ 6,543
49	INVP 4464 Data Visualization	FY18 Plan	4464	G020	$ 7,067,413	$ -	$ 7,067,413	$ 7,067,413	0.0%	$ 7,067,413	11/30/2017	84	$4,711,609	$3,701,978	$4,206,794	7.9910%	4.58%	$ 11,190	$ 46,241
50	Mobility - (MDM) Mobile Device	FY18 Plan	3430	G020	$ 1,162,000	$ -	$ 1,162,000	$ 1,162,000	0.0%	$ 1,162,000	2/1/2018	84	$802,333	$636,333	$719,333	7.9910%	4.58%	$ 1,913	$ 7,603
51	Changes to ACIS for PMCC Civil Vendor Billing	FY18 Plan	4487	G186	$ 382,000	$ -	$ 382,000	$ 382,000	0.0%	$ 382,000	12/2/2017	84	$254,667	$200,095	$227,381	7.9910%	0.00%	$ -	$ -
52	INVP 4461 Unix51 Interface Migration	FY18 Plan	4461	G020	$ 1,386,701	$ -	$ 1,386,701	$ 1,386,701	0.0%	$ 1,386,701	3/1/2018	84	$973,992	$775,892	$874,942	7.9910%	4.58%	$ 2,327	$ 9,073
53	INVP 4287 Active Directory Upgrade	FY18 Plan	4287	G020	$ 804,825	$ -	$ 804,825	$ 804,825	0.0%	$ 804,825	1/30/2018	84	$555,713	$440,738	$498,225	7.9910%	4.58%	$ 1,325	$ 5,266
54	US ControlGas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480	G210	$ 542,000	$ -	$ 542,000	$ 542,000	0.0%	$ 542,000	5/1/2019	84	$471,024	$393,595	$432,310	7.9910%	12.44%	$ 3,123	$ 9,632
55	Enterprise Labs	FY18 Plan	4693	G020	$ 668,000	$ -	$ 668,000	$ 668,000	0.0%	$ 668,000	10/30/2017	84	$437,381	$341,952	$389,667	7.9910%	4.58%	$ 1,037	$ 4,371
56	Cascade Electric Application Upgrade Project	FY18 Plan	3986	G198	$ 375,000	$ -	$ 375,000	$ 375,000	0.0%	$ 375,000	10/31/2017	84	$245,536	$191,964	$218,750	7.9910%	0.00%	$ -	$ -
57	INVP 4408 Doc Mgmt Systems Replacement Delivery	FY18 Plan	4408	G149	$ 3,855,044	$ -	$ 3,855,044	$ 3,855,044	0.0%	$ 3,855,044	11/1/2017	84	$2,524,136	$1,973,415	$2,248,776	7.9910%	4.61%	$ 6,021	$ 25,388
58	WIFI for Fleet Services Diagnostic laptops	FY18 Plan	3956	G352	$ 838,000	$ -	$ 838,000	$ 838,000	0.0%	$ 838,000	11/1/2017	84	$548,690	$428,976	$488,833	7.9910%	4.63%	$ 1,314	$ 5,543
59	Gas Service Database - UNY	FY18 Plan	3949	5210G	$ 325,000	$ -	$ 325,000	$ 325,000	0.0%	$ 325,000	12/1/2017	84	$216,667	$170,238	$193,452	7.9910%	100.00%	$ 11,235	$ 46,429
60	Gas Service Database - DNY (LI and NYC)	FY18 Plan	3948	G225	$ -	$ -	$ -	$ -	0.0%	$ -	12/4/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
61	Substation Monitoring-DobleARMS	FY18 Plan	3982	G381	$ -	$ -	$ -	$ -	0.0%	$ -	1/1/2018	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
62	Gas Capital Investment Planning Tool	FY18 Plan	4466	G210	$ 572,000	$ -	$ 572,000	$ 572,000	0.0%	$ 572,000	9/1/2019	84	$524,333	$442,619	$483,476	7.9910%	12.44%	$ 3,493	$ 10,165
63	Computapole Enhancements to Support Inspection Types	FY18 Plan	4462	G186	$ 450,000	$ -	$ 450,000	$ 450,000	0.0%	$ 450,000	9/1/2019	84	$412,500	$348,214	$380,357	7.9910%	0.00%	$ -	$ -
64	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	G020	$ 1,232,000	$ -	$ 1,232,000	$ 1,232,000	0.0%	$ 1,232,000	9/1/2019	84	$1,129,333	$953,333	$1,041,333	7.9910%	4.58%	$ 2,770	$ 8,061
65	Ageing System Stabilization/Upgrades - FY18	FY18 Plan	4389	G148	$ 1,500,000	$ -	$ 1,500,000	$ 1,500,000	0.0%	$ 1,500,000	6/30/2019	84	$1,339,286	$1,125,000	$1,232,143	7.9910%	4.83%	$ 3,456	$ 10,350
66	INVP 3486 US MDS-Itron Enterprise Edition (EE)	FY18 Plan	3486	G186	$ 758,544	$ -	$ 758,544	$ 758,544	0.0%	$ 758,544	3/31/2018	84	$541,817	$433,454	$487,635	7.9910%	0.00%	$ -	$ -
67	INVP 4390 Plastic Fusion II	FY18 Plan	4390	G210	$ 506,000	$ -	$ 506,000	$ 506,000	0.0%	$ 506,000	3/31/2018	84	$361,429	$289,143	$325,286	7.9910%	12.44%	$ 2,350	$ 8,992
68	INVP 4397 Ariba TLS and CI Update	FY18 Plan	4397	G020	$ 1,602,226	$ -	$ 1,602,226	$ 1,602,226	0.0%	$ 1,602,226	3/31/2018	120	$1,281,781	$1,121,558	$1,201,669	7.9910%	4.58%	$ 3,196	$ 7,338
69	US Mobile Device Refresh	FY18 Plan	4395	G020	$ 4,500,000	$ -	$ 4,500,000	$ 4,500,000	0.0%	$ 4,500,000	3/31/2018	84	$3,214,286	$2,571,429	$2,892,857	7.9910%	4.58%	$ 10,588	$ 29,443
70	US SAP: Infrastructure Landscape	FY18 Plan	4348	G020	$ 4,142,700	$ -	$ 4,142,700	$ 4,142,700	0.0%	$ 4,142,700	3/31/2018	84	$2,959,071	$2,367,257	$2,663,164	7.9910%	4.58%	$ 7,084	$ 27,105
71	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ 9,207,521	$ -	$ 9,207,521	$ 9,207,521	0.0%	$ 9,207,521	3/31/2018	84	$6,576,801	$5,261,441	$5,919,121	7.9910%	0.00%	$ -	$ -
72	US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	4568	U186	$ 3,213,537	$ -	$ 3,213,537	$ 3,213,537	0.0%	$ 3,213,537	3/31/2018	84	$2,295,384	$1,836,307	$2,065,846	7.9910%	0.00%	$ -	$ -
73	Network Transformation Completion - CEMS	FY18 Plan	4647	G020	$ 225,000	$ -	$ 225,000	$ 225,000	0.0%	$ 225,000	5/1/2019	84	$195,536	$163,393	$179,464	7.9910%	4.58%	$ 477	$ 1,472
74	Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020	$ 675,000	$ -	$ 675,000	$ 675,000	0.0%	$ 675,000	3/31/2018	84	$482,143	$385,714	$433,929	7.9910%	4.58%	$ 1,154	$ 4,416
75	Aged Printer refresh	FY18 Plan	4689	G020	$ 45,000	$ -	$ 45,000	$ 45,000	0.0%	$ 45,000	3/31/2018	84	$32,143	$25,714	$28,929	7.9910%	4.58%	$ 77	$ 294

Case 17-G-0239
Appendix 6
Schedule 17
Page 10 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

														4/1/2020	3/31/2021		7.9910%	5210G		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance at Fiscal Year End (FY21)	Adjusted Forecasted Balance at Fiscal Year End (FY21)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
76	RSA Token refresh	FY18 Plan	4683	G020	$ 536,718	$ -	$ 536,718	$ 536,718	0.0%	$ 536,718	3/31/2017	84	$306,696	$230,022	$268,359	7.9910%	4.58%	$ 734	$ 3,512
77	Load and DER Forecasting (Acquisition of Remote Sensing Data - Mass)	FY18 Plan	4670	C310	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
78	INVP4449 - EPA File	FY18 Plan	4449	C170	$ 630,000	$ -	$ 630,000	$ 630,000	0.0%	$ 630,000	3/31/2018	84	$450,000	$360,000	$405,000	7.9910%	14.88%	$ 3,500	$ 13,392
79	Informatica Upgrade/Microstrategy Replacement Program	FY18 Plan	4469	G020	$ 3,164,400	$ -	$ 3,164,400	$ 3,164,400	0.0%	$ 3,164,400	5/1/2018	84	$2,297,957	$1,845,900	$2,071,929	7.9910%	4.58%	$ 5,511	$ 20,704
80	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	FY18 Plan	3932	C175	$ 23,566,011	$ -	$ 23,566,011	$ 23,566,011	0.0%	$ 23,566,011	8/31/2018	84	$18,235,604	$14,869,031	$16,552,317	7.9910%	8.65%	$ 83,162	$ 291,231
81	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	FY18 Plan	4481	G186	$ 1,944,000	$ -	$ 1,944,000	$ 1,944,000	0.0%	$ 1,944,000	5/1/2019	84	$1,689,429	$1,411,714	$1,550,571	7.9910%	0.00%	$ -	$ -
82	INVP 4398 Storms/Bched Upgrade	FY18 Plan	4398	G160	$ 8,960,280	$ -	$ 8,960,280	$ 8,960,280	0.0%	$ 8,960,280	12/15/2018	84	$7,253,560	$5,973,520	$6,613,540	7.9910%	7.15%	$ 27,464	$ 91,523
83	General Ledger Interface CRIS SAP	FY18 Plan	4486	C343	$ -	$ -	$ -	$ -	0.0%	$ -	3/1/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
84	STORMS Capital Cost Estimates	FY18 Plan	4467	G148	$ 698,400	$ -	$ 698,400	$ 698,400	0.0%	$ 698,400	5/1/2019	84	$606,943	$507,171	$557,057	7.9910%	4.83%	$ 1,563	$ 4,819
85	CRIS Data Archival	FY18 Plan	4485	C343	$ -	$ -	$ -	$ -	0.0%	$ -	4/1/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
86	US CNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	G186	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
87	Inventory Management Handheld Devices	FY18 Plan		G020	$ 129,283	$ -	$ 129,283	$ 129,283	0.0%	$ 129,283	3/31/2017	84	$73,876	$55,407	$64,642	7.9910%	4.58%	$ 177	$ 846
88	Customer Bill Redesign	FY18 Plan	4704Q	H173	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	7.9910%	7.07%	$ -	$ -
89	INVP 3737 US CNI GMS SCADA Upgrade &	FY18 Plan	3737	C210	$ 23,337,262	$ -	$ 23,337,262	$ 23,337,262	0.0%	$ 23,337,262	3/31/2020	84	$23,337,262	$20,003,368	$21,670,315	7.9910%	16.89%	$ 212,575	$ 563,095
90	Cisco Prime	FY18 Plan	4679	G020	$ 432,000	$ 120,654	$ 552,654	$ 552,654	0.0%	$ 552,654	5/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
91	Contractor Management Modernization	FY18 Plan	4151	G027	$ 3,166,892	$ 1,717,334	$ 4,884,226	$ 4,884,226	0.0%	$ 4,884,226	10/15/2022	84	$0	$0	$0	7.9910%	4.82%	$ -	$ -
92	Risk Management (Tx Mains & Dx Mains)	GBE- Asset Management	4572	C210	$ 1,899,720	$ -	$ 2,110,800	$ 1,899,720	5.0%	$ 1,899,720	12/1/2017	120	$1,456,452	$1,266,480	$1,361,466	7.9910%	16.89%	$ 13,355	$ 32,086
93	AM Program Leadership-1	GBE- Asset Management	4572	C210	$ 249,412	$ -	$ 277,124	$ 249,412	5.0%	$ 249,412	3/1/2018	120	$197,451	$172,510	$184,980	7.9910%	16.89%	$ 1,815	$ 4,213
94	Enhancements	GBE- Asset Management	4572	C210	$ 2,394,788	$ -	$ 2,660,875	$ 2,394,788	5.0%	$ 2,394,788	12/1/2018	120	$2,075,483	$1,836,004	$1,955,743	7.9910%	16.89%	$ 19,185	$ 40,448
95	Additional IM Modules	GBE- Asset Management	4572	C210	$ 647,971	$ -	$ 716,840	$ 647,971	5.0%	$ 647,971	2/1/2019	120	$572,374	$507,577	$539,976	7.9910%	16.89%	$ 5,297	$ 10,944
96	AM Program Leadership-2	GBE- Asset Management	4572	C210	$ 358,808	$ -	$ 398,676	$ 358,808	5.0%	$ 358,808	3/1/2019	120	$319,937	$284,057	$301,997	7.9910%	16.89%	$ 2,962	$ 6,060
97	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	GBE- Asset Management	4572	C210	$ 10,253,139	$ -	$ 11,311,759	$ 10,253,139	5.0%	$ 10,253,139	3/1/2019	120	$9,142,382	$8,117,068	$8,629,725	7.9910%	16.89%	$ 84,653	$ 173,176
98	EAM-FIN Integration	GBE- Asset Management	4572	C210	$ 1,620,259	$ -	$ 1,778,102	$ 1,620,259	5.0%	$ 1,620,259	6/1/2019	120	$1,485,238	$1,323,212	$1,404,225	7.9910%	16.89%	$ 13,775	$ 27,366
99	Integrity Management Integrations	GBE- Asset Management	4572	C210	$ 997,206	$ -	$ 1,088,112	$ 997,206	5.0%	$ 997,206	10/1/2019	120	$947,346	$847,626	$897,486	7.9910%	16.89%	$ 8,804	$ 16,843
100	AM Program Leadership-3	GBE- Asset Management	4572	C210	$ 377,711	$ -	$ 408,336	$ 377,711	5.0%	$ 377,711	3/1/2020	120	$374,563	$336,792	$355,678	7.9910%	16.89%	$ 3,489	$ 6,380
101	Design (GWD), Estimating (CU), & Mobility	GBE- Asset Management	4572	C210	$ 6,107,893	$ 3,201,244	$ 9,851,109	$ 9,309,137	5.0%	$ 9,149,075	9/1/2020	120	$0	$8,615,379	$4,307,689	7.9910%	16.89%	$ 25,388	$ 90,141
102	Asset Analytics Integration	GBE- Asset Management	4572	C210	$ -	$ 1,764,202	$ 1,764,202	$ 1,764,202	5.0%	$ 1,675,992	12/1/2020	120	$0	$1,620,126	$810,063	7.9910%	16.89%	$ 4,856	$ 9,436
103	GIS (GWD/CU) - PPM Integration	GBE- Asset Management	4572	C210	$ -	$ 844,849	$ 844,849	$ 844,849	5.0%	$ 802,606	12/1/2020	120	$0	$775,853	$387,926	7.9910%	16.89%	$ 2,326	$ 4,519
104	GIS-EAM Integration	GBE- Asset Management	4572	C210	$ 4,164,942	$ 3,282,332	$ 7,818,756	$ 7,447,275	5.0%	$ 7,283,158	12/2/2020	120	$0	$7,040,386	$3,520,193	7.9910%	16.89%	$ -	$ 41,004
105	AM Program Leadership-4	GBE- Asset Management	4572	C210	$ -	$ 103,929	$ 103,929	$ 103,929	5.0%	$ 98,733	3/1/2021	120	$0	$97,910	$48,955	7.9910%	16.89%	$ 298	$ 139
106	Use Case No.1 - Asset Risk	GBE- Asset Management	4572	C210	$ -	$ 3,591,031	$ 3,591,031	$ 3,591,031	5.0%	$ 3,411,480	3/1/2021	120	$0	$3,383,051	$1,691,525	7.9910%	16.89%	$ 10,303	$ 4,802
107	Complex Design (CAD) & Estimating (ESW)	GBE- Asset Management	4572	C210	$ -	$ 2,389,087	$ 2,389,087	$ 2,389,087	5.0%	$ 2,269,632	3/1/2021	120	$0	$2,250,719	$1,125,359	7.9910%	16.89%	$ 6,855	$ 3,195
108	Program Learning Management-1	GBE- Business Enablement	4572	C210	$ 105,567	$ -	$ 117,297	$ 105,567	5.0%	$ 105,567	3/1/2018	120	$83,574	$73,017	$78,296	7.9910%	16.89%	$ 768	$ 1,783
109	Program Transformational Change Office-1	GBE- Business Enablement	4572	C210	$ 620,139	$ -	$ 689,043	$ 620,139	5.0%	$ 620,139	3/1/2018	120	$490,943	$428,929	$459,936	7.9910%	16.89%	$ 4,512	$ 10,474
110	Program Business Sustainment-1	GBE- Business Enablement	4572	C210	$ 62,655	$ -	$ 69,617	$ 62,655	5.0%	$ 62,655	3/1/2019	120	$55,868	$49,602	$52,735	7.9910%	16.89%	$ 517	$ 1,058
111	Program Learning Management-2	GBE- Business Enablement	4572	C210	$ 117,190	$ -	$ 130,211	$ 117,190	5.0%	$ 117,190	3/1/2019	120	$104,494	$92,775	$98,635	7.9910%	16.89%	$ 968	$ 1,979
112	Program Transformational Change Office -2	GBE- Business Enablement	4572	C210	$ 1,364,679	$ -	$ 1,516,310	$ 1,364,679	5.0%	$ 1,364,679	3/1/2019	120	$1,216,839	$1,080,371	$1,148,605	7.9910%	16.89%	$ 11,267	$ 23,049
113	Program Learning Management-3	GBE- Business Enablement	4572	C210	$ 160,081	$ -	$ 173,060	$ 160,081	5.0%	$ 160,081	3/1/2020	120	$158,747	$142,739	$150,743	7.9910%	16.89%	$ 1,479	$ 2,704
114	Program Transformational Change Office-3	GBE- Business Enablement	4572	C210	$ 341,051	$ -	$ 368,704	$ 341,051	5.0%	$ 341,051	3/1/2020	120	$338,209	$304,104	$321,157	7.9910%	16.89%	$ 3,150	$ 5,760
115	Program Business Sustainment-2	GBE- Business Enablement	4572	C210	$ -	$ 221,771	$ 221,771	$ 221,771	5.0%	$ 210,682	3/1/2021	120	$0	$208,927	$104,463	7.9910%	16.89%	$ 636	$ 297
116	Program Learning Management-4	GBE- Business Enablement	4572	C210	$ -	$ 195,721	$ 195,721	$ 195,721	5.0%	$ 185,935	3/1/2021	120	$0	$184,385	$92,193	7.9910%	16.89%	$ 562	$ 262
117	Program Transformational Change Office-4	GBE- Business Enablement	4572	C210	$ -	$ 169,648	$ 169,648	$ 169,648	5.0%	$ 161,166	3/1/2021	120	$0	$159,823	$79,911	7.9910%	16.89%	$ 487	$ 227
118	Customer Experience Program Leadership-1	GBE- Customer Engagement	4572	C210	$ 234,206	$ -	$ 260,229	$ 234,206	5.0%	$ 234,206	3/1/2019	120	$208,834	$185,413	$197,123	7.9910%	16.89%	$ 1,934	$ 3,956
119	CxT Portal & Channel Management	GBE- Customer Engagement	4572	C210	$ 10,817,383	$ -	$ 11,875,000	$ 10,817,383	5.0%	$ 10,817,383	6/1/2019	120	$9,915,934	$8,834,196	$9,375,065	7.9910%	16.89%	$ 91,965	$ 182,706
120	Customer Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 4,392,293	$ -	$ 4,796,546	$ 4,392,293	5.0%	$ 4,392,293	10/1/2019	120	$4,172,678	$3,733,449	$3,953,064	7.9910%	16.89%	$ 38,778	$ 74,186
121	Employee Support Interaction - First Release	GBE- Customer Engagement	4572	C210	$ 7,260,786	$ -	$ 7,954,131	$ 7,260,786	5.0%	$ 7,260,786	10/1/2019	120	$6,897,747	$6,171,668	$6,534,708	7.9910%	16.89%	$ 64,102	$ 122,635
122	Customer Experience Program Leadership-2	GBE- Customer Engagement	4572	C210	$ 246,306	$ -	$ 266,277	$ 246,306	5.0%	$ 246,306	3/1/2020	120	$244,254	$219,623	$231,938	7.9910%	16.89%	$ 2,275	$ 4,160
123	CRM / Contact Center	GBE- Customer Engagement	4572	C210	$ 17,195,000	$ -	$ 19,000,000	$ 17,195,000	5.0%	$ 17,195,000	6/1/2020	120	$0	$15,762,083	$7,881,042	7.9910%	16.89%	$ 45,607	$ 242,020
124	Large Commercial & Landlord Interaction	GBE- Customer Engagement	4572	C210	$ 32,329	$ 1,411,132	$ 1,446,508	$ 1,443,462	5.0%	$ 1,372,905	7/1/2020	120	$0	$1,269,937	$634,969	7.9910%	16.89%	$ 3,698	$ 17,391
125	Employee Support Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ 292,791	$ 292,791	$ 292,791	5.0%	$ 278,152	7/1/2020	120	$0	$257,290	$128,645	7.9910%	16.89%	$ 749	$ 3,523
126	Customer Interaction - Second Release	GBE- Customer Engagement	4572	C210	$ -	$ 2,010,254	$ 2,010,254	$ 2,010,254	5.0%	$ 1,909,741	1/1/2021	120	$0	$1,861,998	$930,999	7.9910%	16.89%	$ 5,612	$ 8,064
127	Customer Experience Program Leadership-3	GBE- Customer Engagement	4572	C210	$ -	$ 203,177	$ 203,177	$ 203,177	5.0%	$ 193,018	3/1/2021	120	$0	$191,410	$95,705	7.9910%	16.89%	$ 583	$ 272
128	Data Management Implementation (Quality & Cleansing)	GBE- Data Management	4572	C210	$ 9,990,000	$ -	$ 11,100,000	$ 9,990,000	5.0%	$ 9,990,000	12/1/2017	120	$7,659,000	$6,660,000	$7,159,500	7.9910%	16.89%	$ 70,231	$ 168,731
129	Data Management & Governance Program Leadership-1	GBE- Data Management	4572	C210	$ 53,001	$ -	$ 58,890	$ 53,001	5.0%	$ 53,001	3/1/2018	120	$41,959	$36,659	$39,309	7.9910%	16.89%	$ 386	$ 895
130	Enable the Data Archive Process	GBE- Data Management	4572	C210	$ 1,963,221	$ -	$ 2,179,480	$ 1,963,221	5.0%	$ 1,963,221	3/1/2019	120	$1,750,539	$1,554,217	$1,652,378	7.9910%	16.89%	$ 16,209	$ 33,159
131	Data Management & Governance Program Leadership-2	GBE- Data Management	4572	C210	$ 79,159	$ -	$ 87,954	$ 79,159	5.0%	$ 79,159	3/1/2019	120	$70,583	$62,667	$66,625	7.9910%	16.89%	$ 654	$ 1,337
132	Data Management & Governance Program Leadership-3	GBE- Data Management	4572	C210	$ 82,985	$ -	$ 89,713	$ 82,985	5.0%	$ 82,985	3/1/2020	120	$82,293	$73,995	$78,144	7.9910%	16.89%	$ 767	$ 1,402
133	PowerPlan Architecture Enhancements	GBE- Information Services Enabling	4572	C210	$ 5,472,100	$ -	$ 6,080,111	$ 5,472,100	5.0%	$ 5,472,100	11/1/2017	120	$4,149,676	$3,602,466	$3,876,071	7.9910%	16.89%	$ 38,022	$ 92,424
134	Comprehensive Integration Services (Enhancements)	GBE- Information Services Enabling	4572	C210	$ 70,762	$ -	$ 78,624	$ 70,762	5.0%	$ 70,762	12/1/2017	120	$54,251	$47,174	$50,712	7.9910%	16.89%	$ 497	$ 1,195
135	Application (Environment) Infrastructure	GBE- Information Services Enabling	4572	C210	$ 1,956,969	$ -	$ 2,174,410	$ 1,956,969	5.0%	$ 1,956,969	12/1/2017	120	$1,500,343	$1,304,646	$1,402,494	7.9910%	16.89%	$ 13,758	$ 33,053
136	Development Operations & BPA Enablement-1	GBE- Information Services Enabling	4572	C210	$ 2,613,528	$ -	$ 2,903,920	$ 2,613,528	5.0%	$ 2,613,528	3/1/2018	120	$2,069,043	$1,807,690	$1,938,367	7.9910%	16.89%	$ 19,014	$ 44,142
137	SAP and Application Integration Development- Release 1-1	GBE- Information Services Enabling	4572	C210	$ 4,288,668	$ -	$ 4,765,187	$ 4,288,668	5.0%	$ 4,288,668	3/1/2018	120	$3,395,196	$2,966,329	$3,180,762	7.9910%	16.89%	$ 31,202	$ 72,436
138	Mobility CoE & End-User Computing-1	GBE- Information Services Enabling	4572	C210	$ 544,311	$ -	$ 604,790	$ 544,311	5.0%	$ 544,311	3/1/2018	120	$430,913	$376,482	$403,697	7.9910%	16.89%	$ 3,960	$ 9,193
139	Operations/System Monitoring	GBE- Information Services Enabling	4572	C210	$ 951,992	$ -	$ 1,057,768	$ 951,992	5.0%	$ 951,992	8/1/2018	120	$793,326	$698,127	$745,727	7.9910%	16.89%	$ 7,315	$ 16,079
140	Development Operations & BPA Enablement-2	GBE- Information Services Enabling	4572	C210	$ 2,305,810	$ -	$ 2,562,011	$ 2,305,810	5.0%	$ 2,305,810	3/1/2019	120	$2,056,014	$1,825,433	$1,940,723	7.9910%	16.89%	$ 19,038	$ 38,945
141	SAP and Application Integration Development- Release 1-2	GBE- Information Services Enabling	4572	C210	$ 4,093,351	$ -	$ 4,548,168	$ 4,093,351	5.0%	$ 4,093,351	3/1/2019	120	$3,649,905	$3,240,569	$3,445,237	7.9910%	16.89%	$ 33,796	$ 69,137
142	SAP and Application Integration Development- Release 2-1	GBE- Information Services Enabling	4572	C210	$ 4,550,140	$ -	$ 5,055,712	$ 4,550,140	5.0%	$ 4,550,140	3/1/2019	120	$4,057,208	$3,602,194	$3,829,701	7.9910%	16.89%	$ 37,567	$ 76,852
143	Mobility CoE & End-User Computing-2	GBE- Information Services Enabling	4572	C210	$ 828,483	$ -	$ 920,536	$ 828,483	5.0%	$ 828,483	3/1/2019	120	$738,730	$655,882	$697,306	7.9910%	16.89%	$ 6,840	$ 13,993
144	Development Operations & BPA Enablement-3	GBE- Information Services Enabling	4572	C210	$ 2,001,833	$ -	$ 2,164,144	$ 2,001,833	5.0%	$ 2,001,833	3/1/2020	120	$1,985,151	$1,784,968	$1,885,060	7.9910%	16.89%	$ 18,491	$ 33,811
145	SAP and Application Integration Development- Release 1-3	GBE- Information Services Enabling	4572	C210	$ 555,000	$ -	$ 600,000	$ 555,000	5.0%	$ 555,000	3/1/2020	120	$550,375	$494,875	$522,625	7.9910%	16.89%	$ 5,127	$ 9,374
146	SAP and Application Integration Development- Release 2-2	GBE- Information Services Enabling	4572	C210	$ 4,067,285	$ -	$ 4,397,065	$ 4,067,285	5.0%	$ 4,067,285	3/1/2020	120	$4,033,391	$3,626,662	$3,830,027	7.9910%	16.89%	$ 37,571	$ 68,696
147	SAP and Application Integration Development- Release 3-1	GBE- Information Services Enabling	4572	C210	$ 79,471	$ -	$ 85,915	$ 79,471	5.0%	$ 79,471	3/1/2020	120	$78,809	$70,862	$74,835	7.9910%	16.89%	$ 734	$ 1,342
148	Mobility CoE & End-User Computing-3	GBE- Information Services Enabling	4572	C210	$ 954,455	$ -	$ 1,031,843	$ 954,455	5.0%	$ 954,455	3/1/2020	120	$946,501	$851,055	$898,778	7.9910%	16.89%	$ 8,817	$ 16,121
149	Test Automation Implementation	GBE- Information Services Enabling	4572	C210	$ 2,079,221	$ 288,018	$ 2,577,052	$ 2,367,240	5.0%	$ 2,352,839	12/1/2020	120	$0	$2,274,411	$1,137,205	7.9910%	16.89%	$ 6,818	$ 13,246
150	Development Operations & BPA Enablement-4	GBE- Information Services Enabling	4572	C210	$ -	$ 2,176,436	$ 2,176,436	$ 2,176,436	5.0%	$ 2,067,614	3/1/2021	120	$0	$2,050,384	$1,025,192	7.9910%	16.89%	$ 6,245	$ 2,910

Case 17-G-0239
Appendix 6
Schedule 17
Page 11 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

														4/1/2020	3/31/2021		7.9910%	5210G		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance at Fiscal Year End (FY21)	Adjusted Forecasted Balance at Fiscal Year End (FY21)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
151	SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572	C210	$ -	$ 600,000	$ 600,000	$ 600,000	5.0%	$ 570,000	3/1/2021	120	$0	$565,250	$282,625	7.9910%	16.89%	$ 1,722	$ 802
152	SAP and Application Integration Development- Release 3-2	GBE- Information Services Enabling	4572	C210	$ -	$ 2,326,606	$ 2,326,606	$ 2,326,606	5.0%	$ 2,210,275	3/1/2021	120	$0	$2,191,856	$1,095,928	7.9910%	16.89%	$ 6,675	$ 3,111
153	Mobility CoE & End-User Computing-4	GBE- Information Services Enabling	4572	C210	$ -	$ 952,793	$ 952,793	$ 952,793	5.0%	$ 905,153	3/1/2021	120	$0	$897,610	$448,805	7.9910%	16.89%	$ 2,734	$ 1,274
154	Portfolio Management Leadership-1	GBE- Portfolio Office	4572	C210	$ 1,481,327	$ -	$ 1,645,919	$ 1,481,327	5.0%	$ 1,481,327	3/1/2018	120	$1,172,717	$1,024,585	$1,098,651	7.9910%	16.89%	$ 10,777	$ 25,020
155	Solution Architects & Agile Coaches-1	GBE- Portfolio Office	4572	C210	$ 1,762,449	$ -	$ 1,958,277	$ 1,762,449	5.0%	$ 1,762,449	3/1/2018	120	$1,395,272	$1,219,027	$1,307,150	7.9910%	16.89%	$ 12,822	$ 29,768
156	Portfolio Management Leadership-2	GBE- Portfolio Office	4572	C210	$ 1,930,034	$ -	$ 2,144,482	$ 1,930,034	5.0%	$ 1,930,034	3/1/2019	120	$1,720,947	$1,527,943	$1,624,445	7.9910%	16.89%	$ 15,935	$ 32,598
157	Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C210	$ 3,568,169	$ -	$ 3,964,632	$ 3,568,169	5.0%	$ 3,568,169	3/1/2019	120	$3,181,617	$2,824,800	$3,003,209	7.9910%	16.89%	$ 29,460	$ 60,266
158	Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C210	$ 1,999,129	$ -	$ 2,161,221	$ 1,999,129	5.0%	$ 1,999,129	3/1/2020	120	$1,982,470	$1,782,557	$1,882,514	7.9910%	16.89%	$ 18,467	$ 33,765
159	Solution Architects & Agile Coaches-3	GBE- Portfolio Office	4572	C210	$ 2,612,469	$ -	$ 2,824,290	$ 2,612,469	5.0%	$ 2,612,469	3/1/2020	120	$2,590,698	$2,329,451	$2,460,075	7.9910%	16.89%	$ 24,132	$ 44,125
160	Portfolio Management Leadership-4	GBE- Portfolio Office	4572	C210	$ -	$ 1,855,901	$ 1,855,901	$ 1,855,901	5.0%	$ 1,763,106	3/1/2021	120	$0	$1,748,413	$874,207	7.9910%	16.89%	$ 5,325	$ 2,482
161	Regulatory/ Compliance	GBE- Regulatory and Compliance	4572	C210	$ 2,718,750	$ -	$ 3,000,000	$ 2,718,750	5.0%	$ 2,718,750	9/1/2019	120	$2,560,156	$2,288,281	$2,424,219	7.9910%	16.89%	$ 23,780	$ 45,920
162	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ 508,541	$ -	$ 565,045	$ 508,541	5.0%	$ 508,541	3/1/2019	120	$453,449	$402,595	$428,022	7.9910%	16.89%	$ 4,199	$ 8,589
163	Supply Chain Program Leadership	GBE- Supply Chain	4572	C210	$ 217,614	$ -	$ 235,258	$ 217,614	5.0%	$ 217,614	3/1/2020	120	$215,800	$194,039	$204,920	7.9910%	16.89%	$ 2,010	$ 3,675
164	Business Architecture Design	GBE- Work Management	4572	C210	$ 2,703,676	$ -	$ 3,004,085	$ 2,703,676	5.0%	$ 2,703,676	12/1/2017	120	$2,072,819	$1,802,451	$1,937,635	7.9910%	16.89%	$ 19,007	$ 45,665
165	WMFE Program Leadership-1	GBE- Work Management	4572	C210	$ 210,612	$ -	$ 234,013	$ 210,612	5.0%	$ 210,612	3/1/2018	120	$166,734	$145,673	$156,204	7.9910%	16.89%	$ 1,532	$ 3,557
166	Corrosion and I&R Work	GBE- Work Management	4572	C210	$ 23,876,723	$ -	$ 26,479,653	$ 23,876,723	5.0%	$ 23,876,723	7/1/2018	120	$19,698,296	$17,310,624	$18,504,460	7.9910%	16.89%	$ 181,519	$ 403,278
167	CU Governance & Library - process	GBE- Work Management	4572	C210	$ 1,492,595	$ -	$ 1,658,439	$ 1,492,595	5.0%	$ 1,492,595	11/1/2018	120	$1,281,144	$1,131,885	$1,206,514	7.9910%	16.89%	$ 11,835	$ 25,210
168	WMFE Program Leadership-2	GBE- Work Management	4572	C210	$ 507,323	$ -	$ 563,692	$ 507,323	5.0%	$ 507,323	3/1/2019	120	$452,363	$401,631	$426,997	7.9910%	16.89%	$ 4,189	$ 8,569
169	Company Driven Work: Collections and non-Appointment OFB - Gas	GBE- Work Management	4572	C210	$ 4,808,853	$ -	$ 5,310,645	$ 4,808,853	5.0%	$ 4,808,853	10/1/2019	120	$4,568,411	$4,087,525	$4,327,968	7.9910%	16.89%	$ 42,455	$ 81,222
170	Company Driven Work: Collections and non-Appointment OFB- Electric	GBE- Work Management	4572	C198	$ 2,589,382	$ -	$ 2,859,577	$ 2,589,382	5.0%	$ 2,589,382	10/1/2019	120	$2,459,912	$2,200,974	$2,330,443	7.9910%	0.00%	$ -	$ -
171	Customer, Leak Investigation & Inspections - Gas	GBE- Work Management	4572	C210	$ 18,594,195	$ -	$ 20,374,438	$ 18,594,195	5.0%	$ 18,594,195	10/1/2019	120	$17,664,485	$15,805,066	$16,734,775	7.9910%	16.89%	$ 164,160	$ 314,056
172	Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	$ 10,012,258	$ -	$ 10,970,850	$ 10,012,258	5.0%	$ 10,012,258	10/1/2019	120	$9,511,645	$8,510,419	$9,011,032	7.9910%	0.00%	$ -	$ -
173	WMFE Program Leadership-3	GBE- Work Management	4572	C210	$ 550,379	$ -	$ 595,004	$ 550,379	5.0%	$ 550,379	9/1/2020	120	$545,792	$490,754	$518,273	7.9910%	16.89%	$ 5,084	$ 9,296
174	PowerPlan Integration & Enhancements	GBE- Work Management	4572	C210	$ 846,783	$ 1,031,426	$ 1,946,867	$ 1,878,209	5.0%	$ 1,826,638	6/1/2020	120	$0	$1,674,418	$837,209	7.9910%	16.89%	$ 4,845	$ 25,710
175	Construction Work & Leak Repair	GBE- Work Management	4572	C210	$ 8,279,323	$ 10,718,386	$ 19,718,534	$ 18,997,710	5.0%	$ 18,461,790	9/1/2020	120	$0	$17,384,852	$8,692,426	7.9910%	16.89%	$ 51,231	$ 181,895
176	WMFE Program Leadership-4	GBE- Work Management	4572	C210	$ -	$ 155,062	$ 155,062	$ 155,062	5.0%	$ 147,309	3/1/2021	120	$0	$146,081	$73,041	7.9910%	16.89%	$ 445	$ 207
177	Work Forecasting & Planning - solution	GBE- Work Management	4572	C210	$ -	$ 1,708,505	$ 1,708,505	$ 1,708,505	5.0%	$ 1,623,080	5/1/2021	120	$0	$0	$0	7.9910%	16.89%	$ -	$ -
178	Core Projects & Program Management	GBE- Work Management	4572	C210	$ -	$ 3,134,061	$ 3,134,061	$ 3,134,061	5.0%	$ 2,977,358	6/1/2021	120	$0	$0	$0	7.9910%	16.89%	$ -	$ -
179	WMFE Optimization	GBE- Work Management	4572	C210	$ 320,816	$ 2,984,574	$ 3,331,402	$ 3,305,390	5.0%	$ 3,156,161	3/1/2022	120	$0	$0	$0	7.9910%	16.89%	$ -	$ -
180	Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT	4426	C175	$ 2,000,000	$ -	$ 2,000,000	$ 2,000,000	0.0%	$ 2,000,000	10/31/2019	84	$1,880,952	$1,595,238	$1,738,095	7.9910%	8.65%	$ 8,733	$ 24,716
181	Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	$ 8,500,000	$ -	$ 8,500,000	$ 8,500,000	0.0%	$ 8,500,000	9/1/2019	84	$7,791,667	$6,577,381	$7,184,524	7.9910%	8.65%	$ 36,097	$ 105,044
182	Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance	4222	G020	$ 1,540,000	$ -	$ 1,540,000	$ 1,540,000	0.0%	$ 1,540,000	3/1/2019	84	$1,301,667	$1,081,667	$1,191,667	7.9910%	4.58%	$ 3,170	$ 10,076
183	US SAP: Business Planning	Growth Play Book-Finance	4217	G020	$ 4,643,000	$ -	$ 4,643,000	$ 4,643,000	0.0%	$ 4,643,000	3/31/2019	84	$3,979,714	$3,316,429	$3,648,071	7.9910%	4.58%	$ 9,704	$ 30,378
184	US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	G020	$ 1,315,000	$ -	$ 1,315,000	$ 1,315,000	0.0%	$ 1,315,000	10/30/2019	84	$1,236,726	$1,048,869	$1,142,798	7.9910%	4.58%	$ 3,040	$ 8,604
185	DRMS for C&I Demand Response	NY REV / Grid Mod		5210E	$ 3,429,633	$ -	$ 3,429,633	$ 3,429,633	0.0%	$ 3,429,633	5/1/2019	36	$2,381,690	$1,238,479	$1,810,084	7.9910%	0.00%	$ -	$ -
186	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729	C113	$ 8,526,273	$ -	$ 8,526,273	$ 8,526,273	0.0%	$ 8,526,273	3/31/2017	84	$4,872,156	$3,654,117	$4,263,136	7.9910%	27.09%	$ 68,942	$ 329,967
187	Plant Information Historian	NY REV / Grid Mod	4704K	G198	$ 5,600,000	$ 5,827,818	$ 11,427,818	$ 11,427,818	0.0%	$ 11,427,818	9/30/2020	84	$0	$10,611,545	$5,305,773	7.9910%	0.00%	$ -	$ -
188	DG IOAP Phase II (Tactical)	NY REV / Grid Mod	4704P	5210E	$ 915,837	$ -	$ 915,837	$ 915,837	0.0%	$ 915,837	4/1/2020	84	$915,837	$785,003	$850,420	7.9910%	0.00%	$ -	$ -
189	E-Commerce Marketplace	NY REV / Grid Mod	4704D	5210E	$ 1,130,816	$ 449,335	$ 1,580,151	$ 1,580,151	0.0%	$ 1,580,151	5/1/2020	84	$0	$1,373,226	$686,613	7.9910%	0.00%	$ -	$ -
190	AM1- Telecoms	NY REV / Grid Mod	4704I	5210E	$ 491,473	$ 805,949	$ 1,297,422	$ 1,297,422	0.0%	$ 1,297,422	5/1/2020	84	$0	$1,127,522	$563,761	7.9910%	0.00%	$ -	$ -
191	AM1- CSS Enhancements	NY REV / Grid Mod	4704A	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	7.9910%	27.09%	$ -	$ -
192	Green Button Connect	NY REV / Grid Mod	4704C	C113	$ 2,198,984	$ 873,775	$ 3,072,759	$ 3,072,759	0.0%	$ 3,072,759	3/31/2021	84	$0	$3,072,759	$1,536,380	7.9910%	27.09%	$ 15,086	$ -
193	DSP - DG IOAP	NY REV / Grid Mod	4704F	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
194	AM1- Telecoms	NY REV / Grid Mod	4704I	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
195	Outdoor Lighting Inventory Portal	NY REV / Grid Mod	4704O	5210E	$ 787,202	$ 312,798	$ 1,100,000	$ 1,100,000	0.0%	$ 1,100,000	3/31/2021	84	$0	$1,100,000	$550,000	7.9910%	0.00%	$ -	$ -
196	DRMS for C&I Demand Response (Renewal)			5210E	$ 2,000,000	$ 5,639,675	$ 7,639,675	$ 7,639,675	0.0%	$ 7,639,675	5/1/2021	12	$0	$0	$0	7.9910%	0.00%	$ -	$ -
197	Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	5210E	$ -	$ 6,000,000	$ 6,000,000	$ 6,000,000	0.0%	$ 6,000,000	3/31/2022	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
198	AM1- Telecoms	NY REV / Grid Mod	4704I	5210E	$ 743,347	$ 972,726	$ 1,716,073	$ 1,716,073	0.0%	$ 1,716,073	3/31/2022	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
199	AM1- Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	C113	$ -	$ 2,740,467	$ 2,740,467	$ 2,740,467	0.0%	$ 2,740,467	3/31/2022	84	$0	$0	$0	7.9910%	27.09%	$ -	$ -
200	AM1- Enterprise Service Bus & API Integration	NY REV / Grid Mod	4704J	5210E	$ -	$ 6,099,748	$ 6,099,748	$ 6,099,748	0.0%	$ 6,099,748	3/31/2022	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
201	AM1- Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	7.9910%	27.09%	$ -	$ -
202	AM1- Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	5210E	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
203	B-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	C113	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2022	84	$0	$0	$0	7.9910%	27.09%	$ -	$ -
204	B-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	5210E	$ 1,300,000	$ 2,759,823	$ 4,059,823	$ 4,059,823	0.0%	$ 4,059,823	3/31/2022	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
205	Cyber Security	NY REV / Grid Mod	4704N	C113	$ 2,300,000	$ 4,498,947	$ 6,798,947	$ 6,798,947	0.0%	$ 6,798,947	3/31/2022	84	$0	$0	$0	7.9910%	27.09%	$ -	$ -
206	Cyber Security	NY REV / Grid Mod	4704N	5210E	$ 3,000,000	$ 7,107,510	$ 10,107,510	$ 10,107,510	0.0%	$ 10,107,510	3/31/2022	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
207	Residential Solar Marketplace	NY REV / Grid Mod		5210E	$ 54,350	$ -	$ 54,350	$ 54,350	0.0%	$ 54,350	3/31/2019	36	$36,233	$18,117	$27,175	7.9910%	0.00%	$ -	$ -
208	INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	$ 1,668,447	$ -	$ 1,668,447	$ 1,668,447	0.0%	$ 1,668,447	12/16/2016	84	$873,949	$635,599	$754,774	7.9910%	19.47%	$ 8,798	$ 46,407
209	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851	G181	$ 1,234,000	$ -	$ 1,234,000	$ 1,234,000	0.0%	$ 1,234,000	3/31/2018	84	$881,429	$705,143	$793,286	7.9910%	0.00%	$ -	$ -
210	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	Other Mandates	4400	G020	$ 1,126,000	$ -	$ 1,126,000	$ 1,126,000	0.0%	$ 1,126,000	12/31/2017	84	$764,071	$603,214	$683,643	7.9910%	4.58%	$ 1,818	$ 7,367
211	Regulatory Mandates - FY18	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
212	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479	G210	$ 3,000,000	$ -	$ 3,000,000	$ 3,000,000	0.0%	$ 3,000,000	5/1/2018	84	$2,178,571	$1,750,000	$1,964,286	7.9910%	12.44%	$ 14,192	$ 53,314
213	Regulatory Mandates - FY19	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
214	Regulatory Mandates - FY20	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
215	Regulatory Mandates - FY21	Other Mandates		G020	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
216	Physical Security Replacements - FY17	Physical Security		G020	$ 2,719,184	$ -	$ 2,719,184	$ 2,719,184	0.0%	$ 2,719,184	3/31/2017	84	$1,553,820	$1,165,365	$1,359,592	7.9910%	4.58%	$ 3,717	$ 17,791
217	Physical Security Replacements - FY17	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
218	Physical Security Replacements - FY17	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
219	Physical Security Replacements - FY18	Physical Security		G020	$ 950,000	$ -	$ 950,000	$ 950,000	0.0%	$ 950,000	3/31/2018	84	$678,571	$542,857	$610,714	7.9910%	4.58%	$ 1,625	$ 6,216
220	All NIMO Physical Security Replacements - FY18	Physical Security		G114	$ 490,000	$ -	$ 490,000	$ 490,000	0.0%	$ 490,000	3/31/2018	84	$350,000	$280,000	$315,000	7.9910%	15.97%	$ 2,922	$ 11,179
221	Physical Security Replacements - FY18	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
222	Physical Security Replacements - FY18	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2018	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
223	Physical Security Replacements - FY19	Physical Security		G020	$ 825,000	$ -	$ 825,000	$ 825,000	0.0%	$ 825,000	3/31/2019	84	$707,143	$589,286	$648,214	7.9910%	4.58%	$ 1,724	$ 5,398
224	All NIMO Physical Security Replacements - FY19	Physical Security		G114	$ 275,000	$ -	$ 275,000	$ 275,000	0.0%	$ 275,000	3/31/2019	84	$235,714	$196,429	$216,071	7.9910%	15.97%	$ 2,004	$ 6,274
225	Physical Security Replacements - FY19	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
226	Physical Security Replacements - FY19	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2019	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
227	Physical Security Replacements - FY20	Physical Security		G020	$ 835,000	$ -	$ 835,000	$ 835,000	0.0%	$ 835,000	3/31/2020	84	$835,000	$715,714	$775,357	7.9910%	4.58%	$ 2,062	$ 5,463
228	All NIMO Physical Security Replacements - FY20	Physical Security		G114	$ 282,000	$ -	$ 282,000	$ 282,000	0.0%	$ 282,000	3/31/2020	84	$282,000	$241,714	$261,857	7.9910%	15.97%	$ 2,429	$ 6,434
229	Physical Security Replacements - FY20	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
230	Physical Security Replacements - FY20	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2020	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 12 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2021

														4/1/2020	3/31/2021		7.9910%	5210G		
Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance at Fiscal Year End (FY21)	Adjusted Forecasted Balance at Fiscal Year End (FY21)	% Slippage/Disallowed	Forecasted Balance after Fiscal Year End (FY21)(After Slippage/Cuts)	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
231	Physical Security Replacements - FY21	Physical Security		G020	$ -	$ 860,000	$ 860,000	$ 860,000	0.0%	$ 860,000	3/31/2021	84	$0	$860,000	$430,000	7.9910%	4.58%	$ 714	$ -
232	All NIMO Physical Security Replacements - FY21	Physical Security		G114	$ -	$ 290,000	$ 290,000	$ 290,000	0.0%	$ 290,000	3/31/2021	84	$0	$290,000	$145,000	7.9910%	15.97%	$ 839	$ -
233	Physical Security Replacements - FY21	Physical Security		G286	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
234	Physical Security Replacements - FY21	Physical Security		G423	$ -	$ -	$ -	$ -	0.0%	$ -	3/31/2021	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
235	INVP 4451 Gas Transportation System Phase II	PSC Mandate	4451	G225	$ -	$ -	$ -	$ -	0.0%	$ -	5/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
236	INVP 4347 NYC Leave on for Landlord Program	PSC Mandate	4347	5220G	$ -	$ -	$ -	$ -	0.0%	$ -	7/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
237	INVP 4124 Auto Remote Net Meter	PSC Mandate	4124	C198	$ 3,584,165	$ -	$ 3,584,165	$ 3,584,165	0.0%	$ 3,584,165	12/31/2017	84	$2,432,112	$1,920,089	$2,176,100	7.9910%	0.00%	$ -	$ -
238	INVP 3839A NY Retail Access Ph2	PSC Mandate	3839A	C170	$ 5,356,231	$ -	$ 5,356,231	$ 5,356,231	0.0%	$ 5,356,231	10/31/2017	84	$3,507,056	$2,741,880	$3,124,468	7.9910%	14.88%	$ 27,002	$ 113,858
239	INVP 4411AB Distributed Generation Portal	PSC Mandate	4411A+B	C198	$ 3,347,611	$ -	$ 3,347,611	$ 3,347,611	0.0%	$ 3,347,611	11/30/2017	84	$2,231,740	$1,753,510	$1,992,625	7.9910%	0.00%	$ -	$ -
240	INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170	$ 551,447	$ -	$ 551,447	$ 551,447	0.0%	$ 551,447	12/31/2017	84	$374,196	$295,418	$334,807	7.9910%	14.88%	$ 2,893	$ 11,722
241	INVP 4448 Low Income Order CRIS	PSC Mandate	4448	5220G	$ -	$ -	$ -	$ -	0.0%	$ -	12/31/2017	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
242	INVP 4448 Low Income Order CSS	PSC Mandate	4448	C195	$ 2,489,410	$ -	$ 2,489,410	$ 2,489,410	0.0%	$ 2,489,410	12/31/2017	84	$1,689,243	$1,333,613	$1,511,428	7.9910%	21.56%	$ 18,926	$ 76,674
243	INVP 4411C New Electric Connections	PSC Mandate	4411C	C198	$ 698,000	$ -	$ 698,000	$ 698,000	0.0%	$ 698,000	4/30/2018	84	$506,881	$407,167	$457,024	7.9910%	0.00%	$ -	$ -
244	INVP 4411D New Gas Connections	PSC Mandate	4411D	C210	$ 896,000	$ -	$ 896,000	$ 896,000	0.0%	$ 896,000	10/31/2018	84	$714,667	$586,667	$650,667	7.9910%	16.89%	$ 6,383	$ 21,619
245	CPE Buyback	Tech. Modernization	4684	G020	$ 5,135,450	$ -	$ 5,135,450	$ 5,135,450	0.0%	$ 5,135,450	4/1/2017	84	$2,934,543	$2,200,907	$2,567,725	7.9910%	4.58%	$ 7,020	$ 33,601
246	Active Directory Improvements	Tech. Modernization	4489	G020	$ 275,000	$ -	$ 275,000	$ 275,000	0.0%	$ 275,000	3/31/2018	84	$196,429	$157,143	$176,786	7.9910%	4.58%	$ 470	$ 1,799
247	Application Performance Management (APM)	Tech. Modernization	4490	G020	$ 375,000	$ -	$ 375,000	$ 375,000	0.0%	$ 375,000	5/31/2019	84	$330,357	$276,786	$303,571	7.9910%	4.58%	$ 808	$ 2,454
248	RAS/VPN Re-Platform/Mobile	Tech. Modernization	4269	G020	$ 600,000	$ -	$ 600,000	$ 600,000	0.0%	$ 600,000	3/16/2018	84	$421,429	$335,714	$378,571	7.9910%	4.58%	$ 1,007	$ 3,926
249	US Network Programme	Tech. Modernization	4496	G020	$ 3,025,000	$ -	$ 3,025,000	$ 3,025,000	0.0%	$ 3,025,000	8/31/2018	84	$2,340,774	$1,908,631	$2,124,702	7.9910%	4.58%	$ 5,652	$ 19,792
250	US VSTIG Programme	Tech. Modernization	4498	G020	$ 2,700,000	$ -	$ 2,700,000	$ 2,700,000	0.0%	$ 2,700,000	3/31/2018	84	$1,928,571	$1,542,857	$1,735,714	7.9910%	4.58%	$ 4,617	$ 17,666
251	US Wireless Programme	Tech. Modernization	4499	G020	$ 1,950,000	$ -	$ 1,950,000	$ 1,950,000	0.0%	$ 1,950,000	3/31/2018	84	$1,392,857	$1,114,286	$1,253,571	7.9910%	4.58%	$ 3,335	$ 12,759
252	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 450,000	$ -	$ 450,000	$ 450,000	0.0%	$ 450,000	5/1/2019	84	$391,071	$326,786	$358,929	7.9910%	4.58%	$ 955	$ 2,944
253	RSA Re-platform	Tech. Modernization	4270	G020	$ 280,000	$ -	$ 280,000	$ 280,000	0.0%	$ 280,000	5/1/2019	84	$243,333	$203,333	$223,333	7.9910%	4.58%	$ 594	$ 1,832
254	Cloud Broker - Hybrid Enablement	Tech. Modernization	3899	G020	$ 250,000	$ -	$ 250,000	$ 250,000	0.0%	$ 250,000	3/31/2018	84	$178,571	$142,857	$160,714	7.9910%	4.58%	$ 428	$ 1,636
255	Office 2010 Upgrade	Tech. Modernization	4265	G020	$ 800,000	$ -	$ 800,000	$ 800,000	0.0%	$ 800,000	4/30/2019	84	$695,238	$580,952	$638,095	7.9910%	4.58%	$ 1,697	$ 5,234
256	Citrix Infrstructure Upgrade (Xenapp and NetScaler)	Tech. Modernization	4279	G020	$ 500,000	$ -	$ 500,000	$ 500,000	0.0%	$ 500,000	4/30/2018	84	$363,095	$291,667	$327,381	7.9910%	4.58%	$ 871	$ 3,271
257	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 3,368,613	$ -	$ 3,368,613	$ 3,368,613	0.0%	$ 3,368,613	4/30/2019	84	$2,927,485	$2,446,255	$2,686,870	7.9910%	4.58%	$ 7,147	$ 22,040
258	Data Security	Tech. Modernization	4710	G020	$ 1,575,000	$ -	$ 1,575,000	$ 1,575,000	0.0%	$ 1,575,000	7/30/2019	84	$1,425,000	$1,200,000	$1,312,500	7.9910%	4.58%	$ 3,491	$ 10,305
259	Orchestration and Self Service	Tech. Modernization	4726	G020	$ 750,000	$ -	$ 750,000	$ 750,000	0.0%	$ 750,000	5/30/2019	84	$660,714	$553,571	$607,143	7.9910%	4.58%	$ 1,615	$ 4,907
260	Virtual Desktop - DaaS	Tech. Modernization	4727	G020	$ 550,000	$ -	$ 550,000	$ 550,000	0.0%	$ 550,000	9/30/2018	84	$432,143	$353,571	$392,857	7.9910%	4.58%	$ 1,045	$ 3,599
261	SCI connections	Tech. Modernization	4495	G020	$ 100,000	$ -	$ 100,000	$ 100,000	0.0%	$ 100,000	9/30/2018	84	$78,571	$64,286	$71,429	7.9910%	4.58%	$ 190	$ 654
262	US SAP: Dynamic Storage Tiering	Tech. Modernization	4560	G020	$ 969,690	$ 385,310	$ 1,355,000	$ 1,355,000	0.0%	$ 1,355,000	7/5/2020	84	$0	$1,209,821	$604,911	7.9910%	4.58%	$ 932	$ 6,649
263	ICE Replacement	Tech. Modernization	4491	G020	$ 3,316,000	$ -	$ 3,316,000	$ 3,316,000	0.0%	$ 3,316,000	10/31/2018	84	$2,644,905	$2,171,190	$2,408,048	7.9910%	4.58%	$ 6,405	$ 21,696
264	US Network Programme	Tech. Modernization	4496	G020	$ 2,075,000	$ -	$ 2,075,000	$ 2,075,000	0.0%	$ 2,075,000	3/31/2020	84	$2,075,000	$1,778,571	$1,926,786	7.9910%	4.58%	$ 5,125	$ 13,576
265	US VSTIG Programme	Tech. Modernization	4498	G020	$ 643,973	$ 1,056,027	$ 1,700,000	$ 1,700,000	0.0%	$ 1,700,000	9/30/2020	84	$0	$1,578,571	$789,286	7.9910%	4.58%	$ 1,250	$ 5,561
266	US Wireless Programme	Tech. Modernization	4499	G020	$ 568,211	$ 931,789	$ 1,500,000	$ 1,500,000	0.0%	$ 1,500,000	9/30/2020	84	$0	$1,392,857	$696,429	7.9910%	4.58%	$ 1,103	$ 4,907
267	Data Visualisation Expansion	Tech. Modernization	4606	G020	$ 1,872,506	$ 927,494	$ 2,800,000	$ 2,800,000	0.0%	$ 2,800,000	9/30/2020	84	$0	$2,600,000	$1,300,000	7.9910%	4.58%	$ 2,058	$ 9,160
268	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Modernization	4562	G020	$ 1,693,200	$ 672,800	$ 2,366,000	$ 2,366,000	0.0%	$ 2,366,000	3/31/2021	84	$0	$2,366,000	$1,183,000	7.9910%	4.58%	$ 1,964	$ -
269	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 378,807	$ 621,193	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	3/31/2021	84	$0	$1,000,000	$500,000	7.9910%	4.58%	$ 830	$ -
270	MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	G020	$ 357,819	$ 142,181	$ 500,000	$ 500,000	0.0%	$ 500,000	4/30/2020	84	$0	$434,524	$217,262	7.9910%	4.58%	$ 328	$ 2,999
271	Improving End User Experience- Cloud based DMZ Service Platform	Tech. Modernization	4723	G020	$ 300,000	$ -	$ 300,000	$ 300,000	0.0%	$ 300,000	3/31/2019	84	$257,143	$214,286	$235,714	7.9910%	4.58%	$ 627	$ 1,963
272	Mobile Broadband POC	Tech. Modernization		G020	$ 100,000	$ -	$ 100,000	$ 100,000	0.0%	$ 100,000	3/31/2019	84	$85,714	$71,429	$78,571	7.9910%	4.58%	$ 209	$ 654
273	FY19 Edge Projects	Tech. Modernization	4717	G020	$ 715,638	$ 284,362	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	5/1/2020	84	$0	$869,048	$434,524	7.9910%	4.58%	$ 656	$ 5,998
274	FY19 Network Projects	Tech. Modernization	4718	G020	$ 715,638	$ 284,362	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	5/1/2020	84	$0	$869,048	$434,524	7.9910%	4.58%	$ 656	$ 5,998
275	Digital Asset Management (DAM)	Tech. Modernization	4711	G020	$ 357,819	$ 142,181	$ 500,000	$ 500,000	0.0%	$ 500,000	5/1/2020	84	$0	$434,524	$217,262	7.9910%	4.58%	$ 328	$ 2,999
276	Business Innovation Projects 1	Tech. Modernization	4707	G020	$ 3,973,236	$ -	$ 3,973,236	$ 3,973,236	0.0%	$ 3,973,236	3/31/2020	84	$3,973,236	$3,405,631	$3,689,433	7.9910%	4.58%	$ 9,814	$ 25,996
277	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 3,368,613	$ -	$ 3,368,613	$ 3,368,613	0.0%	$ 3,368,613	4/1/2020	84	$3,368,613	$2,887,383	$3,127,998	7.9910%	4.58%	$ 8,320	$ 22,040
278	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 3,368,613	$ -	$ 3,368,613	$ 3,368,613	0.0%	$ 3,368,613	4/1/2020	84	$3,368,613	$2,887,383	$3,127,998	7.9910%	4.58%	$ 8,320	$ 22,040
279	EUC, network, and data center strategy	Tech. Modernization	4715	G020	$ 1,542,858	$ -	$ 1,542,858	$ 1,542,858	0.0%	$ 1,542,858	4/1/2020	84	$1,542,858	$1,322,450	$1,432,654	7.9910%	4.58%	$ 3,811	$ 10,095
280	Data Security	Tech. Modernization	4710	G020	$ 1,575,000	$ -	$ 1,575,000	$ 1,575,000	0.0%	$ 1,575,000	4/1/2020	84	$1,575,000	$1,350,000	$1,462,500	7.9910%	4.58%	$ 3,890	$ 10,305
281	FY19 Data Centre Projects	Tech. Modernization	4716	G020	$ 2,000,000	$ -	$ 2,000,000	$ 2,000,000	0.0%	$ 2,000,000	4/1/2020	84	$2,000,000	$1,714,286	$1,857,143	7.9910%	4.58%	$ 4,940	$ 13,086
282	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VIB	Tech. Modernization	4706	G020	$ 3,300,000	$ -	$ 3,300,000	$ 3,300,000	0.0%	$ 3,300,000	4/1/2019	84	$2,828,571	$2,357,143	$2,592,857	7.9910%	4.58%	$ 6,897	$ 21,591
283	US Video Conference Programme	Tech. Modernization	4497	G020	$ 1,650,000	$ -	$ 1,650,000	$ 1,650,000	0.0%	$ 1,650,000	4/1/2020	84	$1,650,000	$1,414,286	$1,532,143	7.9910%	4.58%	$ 4,076	$ 10,796
284	US SAP: Enhancement Pack 9 Upgrade	Tech. Modernization	4564	G020	$ 4,942,257	$ 3,878,743	$ 8,821,000	$ 8,821,000	0.0%	$ 8,821,000	3/31/2021	84	$0	$8,821,000	$4,410,500	7.9910%	4.58%	$ 7,322	$ -
285	US Network Programme	Tech. Modernization	4496	G020	$ 1,127,130	$ 447,870	$ 1,575,000	$ 1,575,000	0.0%	$ 1,575,000	3/31/2021	84	$0	$1,575,000	$787,500	7.9910%	4.58%	$ 1,307	$ -
286	US VSTIG Programme	Tech. Modernization	4498	G020	$ 265,165	$ 434,835	$ 700,000	$ 700,000	0.0%	$ 700,000	3/31/2021	84	$0	$700,000	$350,000	7.9910%	4.58%	$ 581	$ -
287	US Wireless Programme	Tech. Modernization	4499	G020	$ 568,211	$ 931,789	$ 1,500,000	$ 1,500,000	0.0%	$ 1,500,000	3/31/2021	84	$0	$1,500,000	$750,000	7.9910%	4.58%	$ 1,245	$ -
288	Monitoring and Alerting	Tech. Modernization	4493	G020	$ 378,807	$ 621,193	$ 1,000,000	$ 1,000,000	0.0%	$ 1,000,000	3/31/2021	84	$0	$1,000,000	$500,000	7.9910%	4.58%	$ 830	$ -
289	Service Now - Release 3	Tech. Modernization	4261	G020	$ 1,235,433	$ 2,164,567	$ 3,400,000	$ 3,400,000	0.0%	$ 3,400,000	3/31/2021	84	$0	$3,400,000	$1,700,000	7.9910%	4.58%	$ 2,822	$ -
290	B Tools	Tech. Modernization	4513	G020	$ 325,293	$ 74,707	$ 400,000	$ 400,000	0.0%	$ 400,000	3/31/2021	84	$0	$400,000	$200,000	7.9910%	4.58%	$ 332	$ -
291	FY20 Edge Projects	Tech. Modernization	4720	G020	$ 1,422,634	$ 577,366	$ 2,000,000	$ 2,000,000	0.0%	$ 2,000,000	3/31/2021	84	$0	$2,000,000	$1,000,000	7.9910%	4.58%	$ 1,660	$ -
292	FY20 Network Projects	Tech. Modernization	4721	G020	$ 2,515,229	$ 1,484,771	$ 4,000,000	$ 4,000,000	0.0%	$ 4,000,000	3/31/2021	84	$0	$4,000,000	$2,000,000	7.9910%	4.58%	$ 3,320	$ -
293	EMM Licenses	Tech. Modernization	4713	G020	$ 944,642	$ 375,358	$ 1,320,000	$ 1,320,000	0.0%	$ 1,320,000	3/31/2021	84	$0	$1,320,000	$660,000	7.9910%	4.58%	$ 1,096	$ -
294	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 2,305,091	$ 1,668,145	$ 3,973,236	$ 3,973,236	0.0%	$ 3,973,236	3/31/2021	84	$0	$3,973,236	$1,986,618	7.9910%	4.58%	$ 3,298	$ -
295	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 2,307,364	$ 1,671,872	$ 3,979,236	$ 3,979,236	0.0%	$ 3,979,236	3/31/2021	84	$0	$3,979,236	$1,989,618	7.9910%	4.58%	$ 3,303	$ -
296	Data Security	Tech. Modernization	4710	G020	$ 1,127,130	$ 447,870	$ 1,575,000	$ 1,575,000	0.0%	$ 1,575,000	3/31/2021	84	$0	$1,575,000	$787,500	7.9910%	4.58%	$ 1,307	$ -
297	Hardware and Software Upgrades	Tech. Modernization	4722	G020	$ 2,296,454	$ 5,203,546	$ 7,500,000	$ 7,500,000	0.0%	$ 7,500,000	3/31/2021	84	$0	$7,500,000	$3,750,000	7.9910%	4.58%	$ 6,225	$ -
298	Data Centre Consolidation efforts	Tech. Modernization	4709	G020	$ 1,500,000	$ 2,000,000	$ 3,500,000	$ 3,500,000	0.0%	$ 3,500,000	3/31/2021	84	$0	$3,500,000	$1,750,000	7.9910%	4.58%	$ 2,905	$ -
299	FY20 Data Centre Projects	Tech. Modernization	4719	G020	$ 1,400,000	$ 2,600,000	$ 4,000,000	$ 4,000,000	0.0%	$ 4,000,000	3/31/2021	84	$0	$4,000,000	$2,000,000	7.9910%	4.58%	$ 3,320	$ -
300	Enterprise Data Management Platform	Tech. Modernization	4582	G020	$ 800,000	$ 2,554,794	$ 3,354,794	$ 3,354,794	0.0%	$ 3,354,794	6/1/2021	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
301	Business Innovation Projects 2	Tech. Modernization	4708	G020	$ 800,000	$ 2,945,722	$ 3,745,722	$ 3,745,722	0.0%	$ 3,745,722	3/31/2022	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
302	Business Innovation Projects 3	Tech. Modernization	4728	G020	$ 800,000	$ 2,945,722	$ 3,745,722	$ 3,745,722	0.0%	$ 3,745,722	3/31/2022	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
	Total IS				$ 596,620,295	$ 143,612,936	$ 761,874,498	$ 740,233,231		$ 737,852,584			$ 395,321,252	$ 486,664,076	$ 440,992,664			$ 2,475,423	$ 6,498,401

NIMO G $ 8,973,824

Case 17-G-0239
Appendix 6
Schedule 17
Page 13 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210G NMO G Allocation	NMO G Rent-Return	NMO G Rent - Depn
1	INVP 3564 Cust Choice ESCO Gas	INVP 3564 Customer Choice ESCO Gas Management	3564	90000134705	NO	C225	$ 14,409,951	10/1/2016	84	$11,322,104	$9,263,540	$10,292,822	8.0710%	0.00%	$ -	$ -
2	INVP 4172 - Cross Company Customer	INVP 4172 - Cross Company Customer System Enhancements	4172	90000164925	YES	C175	$ 13,889,170	9/1/2016	84	$10,747,572	$8,763,405	$9,755,488	8.0710%	8.65%	$ 51,467	$ 171,644
3	INVP 4102 - Capture Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	G207	$ 303,525	9/1/2016	84	$234,870	$191,510	$213,190	8.0710%	19.47%	$ 2,531	$ 8,442
4	INVP 4244 - US Control EBB Gas	INVP 4244 - US Control EBB Gas Trading Day Changes	4244	90000171826	YES	G210	$ 617,691	7/1/2016	84	$463,268	$375,027	$419,148	8.0710%	12.44%	$ 3,184	$ 10,977
5	INVP 3914 - Bill Print Facility	INVP 3194 - Bill Print Facility Relocation Support	3914	90000171355	YES	C175	$ 317,738	7/1/2016	84	$238,304	$192,912	$215,608	8.0710%	8.65%	$ 1,139	$ 3,927
6	INVP3629 Cascade System for Gas	INVP3629 Cascade System for Gas	3629	90000134426	YES	G210	$ 2,353,207	7/1/2016	84	$1,764,906	$1,428,733	$1,596,819	8.0710%	12.44%	$ 12,131	$ 41,820
7	INVP3853 NMPC C-Cure Conv to AMAG	INVP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000145855	YES	G113	$ 822,678	7/1/2016	84	$617,008	$499,483	$558,246	8.0710%	20.54%	$ 7,002	$ 24,140
8	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (76,185)	6/1/2016	120	$0	$0	$0	8.0710%	4.58%	$ 115	$ -
9	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ (379,815)	6/1/2016	120	$0	$0	$0	8.0710%	4.58%	$ 575	$ -
10	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ (149,379)	6/1/2016	120	$0	$0	$0	8.0710%	4.58%	$ 226	$ -
11	INVP 2927 US Desktop Reflesh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 413,864	5/1/2016	84	$300,544	$241,420	$270,982	8.0710%	4.58%	$ 759	$ 2,708
12	INVP3839 NY Retail Access	INVP3839 NY Retail Access Mandate	3839	90000141799	YES	G170	$ 2,330,372	5/1/2016	84	$1,692,294	$1,359,384	$1,525,839	8.0710%	10.92%	$ 10,190	$ 36,354
13	INVP2583 CRIS Migration	INVP 2583 CRIS Migration to CSS System	2583	90000137859	NO	C225	$ -	5/1/2016	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
14	INVP 2927 US Desktop Reflesh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 6,823,937	5/1/2016	84	$4,955,478	$3,980,630	$4,468,054	8.0710%	4.58%	$ 12,515	$ 44,648
15	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (3,665,858)	5/1/2016	120	$0	$0	$0	8.0710%	4.58%	$ 5,553	$ -
16	INVP4024 Soft Off Program	INVP4024 Soft Off Program	4024	90000156429	YES	G207	$ 1,285,464	4/1/2016	84	$918,188	$734,551	$826,370	8.0710%	19.47%	$ 9,847	$ 35,754
17	INVP 3883 Mobile Device for PTO, Me	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	90000153451	YES	G175	$ 1,743,812	4/1/2016	84	$1,245,580	$996,464	$1,121,022	8.0710%	5.73%	$ 3,931	$ 14,274
18	IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software- INVP3136 NE Gas Leaks Rechecks	3136	90000124374	NO	G310	$ 1,326,238	3/1/2016	84	$931,524	$742,062	$836,793	8.0710%	0.00%	$ -	$ -
19	INVP 4133 - LI Stabilization	INVP 4133 - LI Stabilization	4133	90000163306	NO	5230G	$ 677,092	3/1/2016	84	$475,576	$378,849	$427,213	8.0710%	0.00%	$ -	$ -
20	INVP3492 CI Services Foundation	INVP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	$ 2,570,472	2/1/2016	84	$1,774,850	$1,407,640	$1,591,245	8.0710%	4.58%	$ 4,371	$ 16,818
21	INVP3600B US Web Initiatives 2	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	$ 4,153,761	2/1/2016	84	$2,868,073	$2,274,679	$2,571,376	8.0710%	5.73%	$ 8,837	$ 34,002
22	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 2,078	2/1/2016	120	$1,628	$1,420	$1,524	8.0710%	4.58%	$ 4	$ 10
23	INVP 3375D Challenge Limits Letters	INVP3375D- Challenge the Limits Letters	3375D	90000140579	YES	G113	$ 409,859	2/1/2016	84	$282,998	$224,447	$253,722	8.0710%	20.54%	$ 3,126	$ 12,026
24	INVP2495H US CNI Frame Relay Replac	INVP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	$ 6,532,674	2/1/2016	84	$4,510,656	$3,577,417	$4,044,036	8.0710%	12.44%	$ 30,175	$ 116,095
25	INVP 4074 - MA Gas 4 Hour Appt	INVP 4074 - MA Gas 4 Hour Appointment	4074	90000160455	NO	C310	$ 291,566	1/1/2016	84	$197,848	$156,196	$177,022	8.0710%	0.00%	$ -	$ -
26	INVP 3237 Street Light Outage Impro	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	$ 324,546	1/1/2016	84	$220,228	$173,864	$197,046	8.0710%	0.00%	$ -	$ -
27	INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade	4323	90000171825	YES	G020	$ 2,868,015	11/1/2016	84	$2,287,583	$1,877,867	$2,082,725	8.0710%	4.58%	$ 5,810	$ 18,765
28	INVP 1172 - AMAG Upgrades	Access Control & Alarm Monitoring System	1172	90000112731	YES	G020	$ 6,129,079	11/1/2016	84	$4,888,670	$4,013,087	$4,450,879	8.0710%	4.58%	$ 12,416	$ 40,102
29	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ 1,747,846	11/1/2016	84	$1,394,116	$1,144,423	$1,269,269	8.0710%	4.58%	$ 3,541	$ 11,436
30	INVP 4266 - End User Device Refresh	INVP 4266 - End User Device Reflesh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	$ 294,858	11/1/2016	84	$235,185	$193,062	$214,123	8.0710%	4.58%	$ 597	$ 1,929
31	EHR1 - Payroll	EHR1 - Payroll	USFP	90000148062	YES	G012	$ 6,240,543	12/1/2015	84	$4,160,362	$3,268,856	$3,714,609	8.0710%	4.58%	$ 10,213	$ 40,831
32	EHR1 - Finance	EHR1 - Finance	USFP	90000148060	YES	G012	$ 10,024,521	12/1/2015	84	$6,683,014	$5,250,939	$5,966,977	8.0710%	4.58%	$ 16,406	$ 65,589
33	EHR1 - Supply Chain	EHR1 - Supply Chain	USFP	90000148059	YES	G012	$ 18,657,154	12/1/2015	84	$12,438,103	$9,772,795	$11,105,449	8.0710%	4.58%	$ 30,534	$ 122,071
34	EHR1 - IT Delivery	EHR1 - IT Delivery	USFP	90000148061	YES	G012	$ 2,568,884	12/1/2015	120	$1,969,478	$1,712,589	$1,841,034	8.0710%	4.58%	$ 5,042	$ 11,765
35	EHR1 - PMO	EHR1 - PMO	USFP	90000148055	YES	G012	$ 8,346,172	12/1/2015	84	$5,564,115	$4,371,804	$4,967,959	8.0710%	4.58%	$ 13,659	$ 54,608
36	EHR1 - BPS	EHR1 - BPS	USFP	90000148063	YES	G012	$ 14,956,768	12/1/2015	84	$9,971,179	$7,834,498	$8,902,838	8.0710%	4.58%	$ 24,478	$ 97,860
37	DMS/OMS Replacement	NONE	N/A	90000098917	YES	G198	$ 65,683,888	12/1/2015	84	$43,789,259	$34,405,846	$39,097,552	8.0710%	0.00%	$ -	$ -
38	INVP 3375B Challenge the Limits XML	INVP3375B- Challenge the Limits XML	3375B	90000140573	YES	G179	$ 616,276	12/1/2015	84	$410,851	$322,811	$366,831	8.0710%	9.55%	$ 2,103	$ 8,408
39	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ 12,524,547	10/1/2015	120	$9,393,410	$8,140,956	$8,767,183	8.0710%	4.58%	$ 24,023	$ 57,362
40	INVP2960C - GridForce SaaS Ph2	INVP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	G210	$ -	9/1/2015	84	$0	$0	$0	8.0710%	12.44%	$ -	$ -
41	INVP2940-GRC Enterprise Risk & Comp	Capitalized Software	2940	90000109629	YES	G012	$ 3,552,013	8/1/2015	84	$2,198,865	$1,691,435	$1,945,150	8.0710%	4.58%	$ 5,359	$ 23,240
42	INVP2892B Security Access Panels	INVP2892B Security Access Panels NERC CIP Compliance	2892B	90000142290	YES	G432	$ 686,428	8/1/2015	84	$424,931	$326,870	$375,901	8.0710%	0.00%	$ -	$ -
43	IN 1043 NE EMS Replacement	Replacement for WO 90000097247 to properly book the WO under the correct Intangible CWIP and asset G/L accounts.	1043	90000157429	NO	U273	$ 29,309,502	7/1/2015	84	$17,795,055	$13,607,983	$15,701,519	8.0710%	0.00%	$ -	$ -
44	INVP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm	2970	90000133045	YES	G020	$ 1,752,601	4/1/2015	84	$1,001,486	$751,115	$876,300	8.0710%	4.58%	$ 2,420	$ 11,467
45	IN 3124B GLOBAL HR STRATEGY	IN 3124B GLOBAL HR STRATEGY	3124B	90000119765	YES	G020	$ 1,752,217	4/1/2015	84	$1,001,267	$750,950	$876,109	8.0710%	4.58%	$ 2,419	$ 11,465
46	INVP3615 Success Enterprise Reporti	Capitalized Software INVP 3615 Success Enterprise Mgmt	3615	90000134377	YES	G186	$ 623,254	3/1/2015	84	$348,726	$259,689	$304,207	8.0710%	0.00%	$ -	$ -
47	USFP-Testing -R1	NONE	USFP	90000107542	YES	G012	$ -	3/1/2015	120	$0	$0	$0	8.0710%	4.58%	$ -	$ -
48	INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	$ 647,273	3/1/2015	84	$362,165	$269,697	$315,931	8.0710%	4.58%	$ 873	$ 4,235
49	INVP 1549B Meter Reading System Con	Capitalized Software- INVP 1549B Meter Reading	1549B	90000120707	YES	G175	$ 1,174,502	3/1/2015	84	$657,162	$489,376	$573,269	8.0710%	5.73%	$ 1,982	$ 9,614
50	INVP3022 Internet Toolset	INVP3022 Internet Toolset	3022	90000138893	YES	G175	$ -	3/1/2015	84	$0	$0	$0	8.0710%	5.73%	$ -	$ -
51	INVP 3378 Rubber Goods Testing	INVP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	$ 396,375	3/1/2015	84	$221,781	$165,156	$193,469	8.0710%	0.00%	$ -	$ -
52	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	$ 782,169	3/1/2015	84	$437,642	$325,904	$381,773	8.0710%	4.58%	$ 1,055	$ 5,118
53	INVP0823c Laptop & Port Device Info	INVP0823c Laptop & Port Device Info	0823c	90000105318	YES	G012	$ 2,543,084	3/1/2015	84	$1,422,916	$1,059,618	$1,241,267	8.0710%	4.58%	$ 3,430	$ 16,639
54	INVP823D Guardium	INVP823D Guardium	823D	90000141134	YES	G012	$ -	3/1/2015	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
55	INVP2960C GridForce SaaS Phase 2	INVP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	$ 3,254,217	3/1/2015	84	$1,820,812	$1,355,924	$1,588,368	8.0710%	12.44%	$ 11,922	$ 57,832
56	INVP 3600 - US Web Initiatives	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	$ 1,380,415	3/1/2015	84	$772,375	$575,173	$673,774	8.0710%	8.65%	$ 3,517	$ 17,059
57	INVP 3039 US eDiscovery	Capitalized Software- INVP 3039 EDiscovery	3039	90000118116	YES	G012	$ 393,008	3/1/2015	84	$219,897	$163,753	$191,825	8.0710%	4.58%	$ 530	$ 2,571
58	INVP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	G012	$ 244,374	3/1/2015	84	$136,733	$101,823	$119,278	8.0710%	4.58%	$ 330	$ 1,599
59	INVP 2982b Identity & Access Mgt Pr	INVP 2982b Identity & Access Mgt Pr	2982b	90000113826	YES	G012	$ 3,576,972	3/1/2015	84	$2,001,401	$1,490,405	$1,745,903	8.0710%	4.58%	$ 4,824	$ 23,404
60	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 1	2/1/2015	84	$0	$0	$0	8.0710%	4.58%	$ 0	$ 0
61	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 7,489,757	2/1/2015	120	$5,118,001	$4,369,025	$4,743,513	8.0710%	4.58%	$ 17,535	$ 34,303
62	USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery	USFP	90000142344	YES	G012	$ 9,575,835	1/1/2015	120	$6,463,689	$5,506,105	$5,984,897	8.0710%	4.58%	$ 16,438	$ 43,857
63	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ 9,814,175	1/1/2015	120	$6,624,568	$5,643,150	$6,133,859	8.0710%	4.58%	$ 16,847	$ 44,949
64	INVP 2577 GIS Consol Ph 2	INVP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	$ 2,882,206	1/1/2015	84	$1,544,039	$1,132,295	$1,338,167	8.0710%	12.44%	$ 10,058	$ 51,221
65	INVP 2983a CNI Network Security Pro	Capitalized Software	2983a	90000113827	YES	G012	$ 115,489	12/1/2014	84	$60,494	$43,996	$52,245	8.0710%	4.58%	$ 145	$ 756
66	Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	NO	G284	$ 186,308	10/1/2014	84	$93,154	$66,538	$79,846	8.0710%	0.00%	$ -	$ -
67	New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	N/A	90000100684	NO	G284	$ 88,951	10/1/2014	84	$44,475	$31,768	$38,122	8.0710%	0.00%	$ -	$ -
68	INVP 1643B - NY Commodity Rates	INVP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	$ 18,216	10/1/2014	84	$9,108	$6,506	$7,807	8.0710%	20.54%	$ 97	$ 534
69	IN 1642--Radio Standardization Cons	IN 1642--Radio Standardization Cons Capitalized Software	1642	90000099327	YES	G012	$ 130,644	10/1/2014	84	$65,322	$46,659	$55,990	8.0710%	4.58%	$ 155	$ 855
70	IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	NO	C225	$ 66,932	8/1/2014	84	$31,872	$22,311	$27,092	8.0710%	0.00%	$ -	$ -
71	INVP 2162 - PRIMAVERA EXPANSION	INVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376	$ 228,928	7/1/2014	84	$106,288	$73,584	$89,936	8.0710%	6.09%	$ 333	$ 1,992
72	INVP1485 Computapole Migration W7	INVP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	$ 874,103	7/1/2014	84	$405,834	$280,962	$343,398	8.0710%	0.00%	$ -	$ -
73	1642 - Radio Standardization Cons	IN 1642--Radio Standardization Cons - Capitalized Software	1642	90000099326	YES	G012	$ 3,046,691	7/1/2014	84	$1,414,535	$979,294	$1,196,914	8.0710%	4.58%	$ 3,330	$ 19,934
74	INVP2997B EVM Phase 2	INVP2997B Earned Value Management Phase 2 - Capitalized Software	2997B	90000134297	YES	G186	$ 138,248	7/1/2014	84	$64,187	$44,437	$54,312	8.0710%	0.00%	$ -	$ -
75	IN 1182 GAS TRANSPORT SYS (GTIS)	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	$ 1,780,960	7/1/2014	84	$826,874	$572,451	$699,663	8.0710%	0.00%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 14 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210G NMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
76	INVP 2997 Earned Value Mgmt Rptg	INVP 2997 Earned Value Mgmt Rptg - Capitalized Software	2997	90000120197	YES	G186	$ 603,575	7/1/2014	84	$280,231	$194,006	$237,119	8.0710%	0.00%	$ -	$ -
77	INVP3374 SmallWorld GIS FY13 R 1-2	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	90000120127	YES	G198	$ 309,785	7/1/2014	84	$143,829	$99,574	$121,701	8.0710%	0.00%	$ -	$ -
78	IN N/A NE & NY EMS NERC-CIP Auth MW	IN N/A NE & NY EMS NERC CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	$ 64,286	3/1/2014	84	$26,786	$17,602	$22,194	8.0710%	0.00%	$ -	$ -
79	INVP 0887	Capitalized Software	887	90000104061	YES	G077	$ 258,131	3/1/2014	84	$107,555	$70,679	$89,117	8.0710%	7.38%	$ 401	$ 2,721
80	INVP 1242 - WCOR01	INVP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198	$ 3,750	3/1/2014	84	$1,562	$1,027	$1,295	8.0710%	0.00%	$ -	$ -
81	Meter Route Consol	INVP 1182B Gas Transportation System Meter Route Consol	1182B	90000124368	NO	G227	$ 410,384	3/1/2014	84	$170,993	$112,367	$141,680	8.0710%	0.00%	$ -	$ -
82	INVP N/A- NE EMS TSS	INVP N/A NE EMS TSS Capitalized Software	N/A	90000104968	NO	G272	$ 255,055	3/1/2014	84	$106,273	$69,837	$88,055	8.0710%	0.00%	$ -	$ -
83	IN1182BGAS TRANS SYS PHASE 2 (GTS)	Capitalized Software- IN1182BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237	$ 1,675,640	3/1/2014	84	$698,184	$458,806	$578,495	8.0710%	0.00%	$ -	$ -
84	GAS Transformation	GAS Transformation	N/A	90000096386	YES	G012	$ 114,360	3/1/2014	84	$47,650	$31,313	$39,482	8.0710%	4.58%	$ 110	$ 748
85	INVP 2981 US Security Awareness	INVP 2981 US Security Awareness Cap Software	2981	90000117533	YES	G012	$ 250,393	3/1/2014	84	$104,330	$68,560	$86,445	8.0710%	4.58%	$ 242	$ 1,638
86	INVP 3393 Enhancement of Reservior W	INVP 3393 Enhancement of Reservior Woods Capitalized Software	3393	90000122634	YES	J063	$ 101,136	2/1/2014	84	$40,936	$26,488	$33,712	8.0710%	2.55%	$ 53	$ 368
87	Inspect System Resources/Hard/Softw	Capitalized Software	N/A	90000104057	YES	G160	$ 26,246	2/1/2014	84	$10,624	$6,874	$8,749	8.0710%	7.15%	$ 38	$ 268
88	INVP 3294 - PowerPlant Leased Asset	Capitalized Software	3294	90000117978	YES	G012	$ 969,208	2/1/2014	84	$392,299	$253,840	$323,069	8.0710%	4.58%	$ 904	$ 6,341
89	STD01-Concept Est Tool	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104104	YES	G198	$ 873,898	2/1/2014	84	$353,721	$228,878	$291,299	8.0710%	0.00%	$ -	$ -
90	CM-NEW02-Simp Order Proc	Capitalized Software	NEW02	90000104149	YES	G198	$ 7,803	2/1/2014	84	$3,158	$2,044	$2,601	8.0710%	0.00%	$ -	$ -
91	INVP 3103 Business Capture Software	INVP 3103 IRISE Capitalized Software	3103	90000106874	YES	G012	$ 3,036,545	2/1/2014	84	$1,229,078	$795,286	$1,012,182	8.0710%	4.58%	$ 2,833	$ 19,868
92	WCLS13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198	$ 20,566	2/1/2014	84	$8,324	$5,386	$6,855	8.0710%	0.00%	$ -	$ -
93	INVP 3195 Storms Archive Tool Imple	INVP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160	$ 627,573	12/1/2013	84	$239,076	$149,422	$194,249	8.0710%	7.15%	$ 851	$ 6,410
94	INVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	90000107276	YES	G012	$ 1,023,605	11/1/2013	84	$377,759	$231,530	$304,644	8.0710%	4.58%	$ 857	$ 6,697
95	INVP 3232A - Tallyman & Paperless B	Capitalized Software	3232A	90000116954	YES	G179	$ 953,115	11/1/2013	84	$351,745	$215,585	$283,665	8.0710%	9.55%	$ 1,663	$ 13,003
96	INVP 1643C - NIMO EL TOU + Deposits	Capitalized Software	1643C	90000116900	YES	G179	$ 606,020	11/1/2013	84	$223,650	$137,076	$180,363	8.0710%	9.55%	$ -	$ 8,268
97	INVP 3307 iFactor Storm Center Host	Capitalized Software	3307	90000119141	YES	G012	$ 668,684	11/1/2013	84	$246,776	$151,250	$199,013	8.0710%	4.58%	$ 560	$ 4,375
98	INVP1549-Non-Interval Collect Sys C	Capitalized Software	1549	90000107743	YES	G012	$ 1,099,783	11/1/2013	84	$405,872	$248,760	$327,316	8.0710%	4.58%	$ 921	$ 7,196
99	INVP 1356A US Retail Web Customer &	INVP 1356A US Retail Web Customer & Markets	1356A	90000100058	YES	G179	$ 6,726,634	11/1/2013	84	$2,482,448	$1,521,501	$2,001,975	8.0710%	9.55%	$ 11,740	$ 91,771
100	INVP 2732 US Storage Switch Replace	Capitalized Software	2732	90000104631	YES	G012	$ 588,353	11/1/2013	84	$217,130	$133,080	$175,105	8.0710%	4.58%	$ 492	$ 3,850
101	EDOT-Customer Management-CM-NEW03	Capitalized Software	NEW03	90000093776	YES	G198	$ 208,231	11/1/2013	84	$76,847	$47,100	$61,973	8.0710%	0.00%	$ -	$ -
102	INVP 1389 US Computing Minor Works	Capitalized Software	1389	90000104257	YES	G012	$ 267,594	11/1/2013	84	$98,755	$60,527	$79,641	8.0710%	4.58%	$ 224	$ 1,751
103	INVP 2832 - ACIS Alliance Contracts	Capitalized Software	2832	90000112827	YES	G186	$ 324,412	11/1/2013	84	$119,723	$73,379	$96,551	8.0710%	0.00%	$ -	$ -
104	IN 2172-IDS Reporting & Analysis	Capitalized Software	2172	90000106487	YES	G198	$ 710,520	11/1/2013	84	$262,216	$160,713	$211,464	8.0710%	0.00%	$ -	$ -
105	Global Web Implementation	Capitalized Software	N/A	90000095326	YES	G012	$ 4,281,380	11/1/2013	84	$1,580,033	$968,407	$1,274,220	8.0710%	4.58%	$ 3,584	$ 28,012
106	INVP 3076-QAS Address Hygiene	Capitalized Software	3076	90000109487	YES	G012	$ 270,279	11/1/2013	84	$99,746	$61,135	$80,440	8.0710%	4.58%	$ 226	$ 1,768
107	INVP 3210 - Infographics Conversion	Capitalized Software	3210	90000116474	NO	G259	$ 1,327,228	11/1/2013	84	$489,810	$300,206	$395,008	8.0710%	0.00%	$ -	$ -
108	INVP2135-Cust Choice Email Tracking	Capitalized Software	2135	90000113005	YES	G012	$ 621,113	11/1/2013	84	$229,220	$140,490	$184,855	8.0710%	4.58%	$ 520	$ 4,064
109	IN 2522 VTL REPLACEMENT US	INVP2522 VTL Replacement Cap Software	2522	90000104630	YES	HT71	$ 648,194	11/1/2013	84	$239,214	$146,615	$192,915	8.0710%	6.16%	$ 730	$ 5,704
110	IN2960B CRM SAAS IMPLEMEN	Software-INVP 2960B CRM Salesforce SaaS	2960B	90000119937	YES	G175	$ 1,117,121	10/1/2013	84	$398,972	$239,383	$319,177	8.0710%	5.73%	$ 1,125	$ 9,144
111	INVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	90000118115	YES	G012	$ 326,615	10/1/2013	84	$116,648	$69,989	$93,319	8.0710%	4.58%	$ 263	$ 2,137
112	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ (2,545,646)	4/1/2013	120	$0	$0	$0	8.0710%	4.58%	$ 3,856	$ -
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ (284,633)	4/1/2013	120	$0	$0	$0	8.0710%	4.58%	$ 431	$ -
114	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ (2,195,181)	4/1/2013	120	$0	$0	$0	8.0710%	4.58%	$ 3,325	$ -
115	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ 2,195,181	11/1/2012	120	$1,006,125	$786,607	$896,366	8.0710%	4.58%	$ 2,490	$ 10,054
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ 284,633	11/1/2012	120	$130,457	$101,994	$116,225	8.0710%	4.58%	$ 323	$ 1,304
117	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ 2,545,646	11/1/2012	120	$1,166,754	$912,190	$1,039,472	8.0710%	4.58%	$ 2,888	$ 11,659
118	USFP-PMO - R1	Capitalized Software-USFP-PMO - R1	USFP	90000107539	YES	G012	$ 13,294,040	11/1/2012	120	$6,093,101	$4,763,697	$5,428,399	8.0710%	4.58%	$ 15,082	$ 60,887
119	USFP-Process & Design -R1	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	$ 7,564,718	11/1/2012	120	$3,467,163	$2,710,691	$3,088,927	8.0710%	4.58%	$ 8,582	$ 34,646
120	USFP - Hardware & Software-DD	USFP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012	$ 2,770,640	11/1/2012	120	$1,269,876	$992,813	$1,131,345	8.0710%	4.58%	$ 3,143	$ 12,690
121	USFP - Solution Architecture-DD	USFP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012	$ 2,908,470	11/1/2012	120	$1,333,049	$1,042,202	$1,187,625	8.0710%	4.58%	$ 3,300	$ 13,321
122	USFP - PMO-DD	USFP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012	$ 4,761,712	11/1/2012	120	$2,182,451	$1,706,280	$1,944,366	8.0710%	4.58%	$ 5,402	$ 21,809
123	USFP-Business Engagement -R1	Capitalized Software-USFP-Business Engagement -R1	USFP	90000107549	YES	G012	$ 154,570	11/1/2012	120	$70,845	$55,388	$63,116	8.0710%	4.58%	$ 175	$ 708
124	HR STREAM - DESIGN CAPEX	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	$ 826,202	11/1/2012	120	$378,676	$296,056	$337,366	8.0710%	4.58%	$ 937	$ 3,784
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012	$ 1,708,792	11/1/2012	120	$783,196	$612,317	$697,757	8.0710%	4.58%	$ 1,939	$ 7,826
126	USFP - Testing-DD	USFP - Testing-DD - Capitalized Software	USFP	90000104648	YES	G012	$ 209,496	11/1/2012	120	$96,019	$75,070	$85,544	8.0710%	4.58%	$ 238	$ 959
127	USFP Test Net Strat	Capitalized Software- USFP Test Net Strat	USFP	90000117362	YES	G012	$ 1,305,452	11/1/2012	120	$598,332	$467,787	$533,060	8.0710%	4.58%	$ 1,481	$ 5,979
128	USFP Test Ops	Capitalized Software- USFP Test Ops	USFP	90000117358	YES	G012	$ 4,359,638	11/1/2012	120	$1,998,167	$1,562,204	$1,780,185	8.0710%	4.58%	$ 4,946	$ 19,967
129	USFP-Cutover -R1	Capitalized Software- USFP-Cutover -R1	USFP	90000107547	YES	G012	$ 2,728,737	11/1/2012	120	$1,250,671	$977,797	$1,114,234	8.0710%	4.58%	$ 3,096	$ 12,498
130	USFP-Reporting & Info - R1	Capitalized Software-USFP-Reporting & Info - R1	USFP	90000107544	YES	G012	$ 6,197,728	11/1/2012	120	$2,840,625	$2,220,852	$2,530,739	8.0710%	4.58%	$ 7,031	$ 28,386
131	US Pre-BLUEPRINT STRATEGY PLAN	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	$ 6,530,003	11/1/2012	120	$2,992,918	$2,339,918	$2,666,418	8.0710%	4.58%	$ 7,408	$ 29,907
132	USFP-Hardware & Software-R1	Capitalized Software- USFP-Hardware & Software-R1	USFP	90000107551	YES	G012	$ 23,426,143	11/1/2012	120	$10,736,982	$8,394,368	$9,565,675	8.0710%	4.58%	$ 26,576	$ 107,292
133	USFP Test Finance	USFP Test Finance Capitalized Software	USFP	90000117364	YES	G012	$ 3,910,865	11/1/2012	120	$1,792,480	$1,401,393	$1,596,936	8.0710%	4.58%	$ 4,437	$ 17,912
134	USFP - Process & Design-DD	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	YES	G012	$ 17,463,817	11/1/2012	120	$8,004,249	$6,257,868	$7,131,058	8.0710%	4.58%	$ 19,812	$ 79,984
135	S/CHAIN STREAM - DESIGN CAPEX	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	$ 1,038,127	11/1/2012	120	$475,808	$371,995	$423,902	8.0710%	4.58%	$ 1,178	$ 4,755
136	US FOUNDATION PRGM ARCH/DECOM	Capitalized Software- US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012	$ 1,242,446	11/1/2012	120	$569,454	$445,210	$507,332	8.0710%	4.58%	$ 1,410	$ 5,690
137	USFP-Solution Architecture-R1	Capitalized Software- USFP-Solution Architecture-R1	USFP	90000107550	YES	G012	$ 2,536,861	11/1/2012	120	$1,162,728	$909,042	$1,035,885	8.0710%	4.58%	$ 2,878	$ 11,619
138	USFP - Data Strategy-DD	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012	$ 2,531,924	11/1/2012	120	$1,160,465	$907,273	$1,033,869	8.0710%	4.58%	$ 2,872	$ 11,596
139	PROCESS CONTROL - DESIGN CAPEX	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	$ 138,806	11/1/2012	120	$63,620	$49,739	$56,679	8.0710%	4.58%	$ 157	$ 636
140	INFORMATION MGMT - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	YES	G012	$ 346,941	11/1/2012	120	$159,014	$124,320	$141,667	8.0710%	4.58%	$ 394	$ 1,589
141	PROCESS & DATA - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012	$ 271,405	11/1/2012	120	$124,394	$97,254	$110,824	8.0710%	4.58%	$ 308	$ 1,243
142	USFP-Build & Unit Test -R1	Capitalized Software-USFP-Build & Unit Test -R1	USFP	90000107541	YES	G012	$ 26,765,794	11/1/2012	120	$12,267,656	$9,591,076	$10,929,366	8.0710%	4.58%	$ 30,365	$ 122,587
143	USFP-Business Readiness -R1	Capitalized Software- USFP-Business Readiness -R1	USFP	90000107548	YES	G012	$ 2,020,438	11/1/2012	120	$926,034	$723,990	$825,012	8.0710%	4.58%	$ 2,292	$ 9,254
144	USFP-Data Strategy - R1	Capitalized Software- USFP-Data Strategy - R1	USFP	90000107543	YES	G012	$ 7,738,324	11/1/2012	120	$3,546,732	$2,772,899	$3,159,816	8.0710%	4.58%	$ 8,779	$ 35,442
145	USFP Test SS	Capitalized Software-USFP Test SS	USFP	90000117367	YES	G012	$ 46,113,703	11/1/2012	120	$21,135,447	$16,524,077	$18,829,762	8.0710%	4.58%	$ 52,314	$ 211,201
146	USFP-Testing -R1	Capitalized Software- USFP-Testing -R1	USFP	90000107542	YES	G012	$ 61,366,885	11/1/2012	120	$28,126,489	$21,989,800	$25,058,145	8.0710%	4.58%	$ 69,618	$ 281,060
147	USFP-Tech Delivery - R1	Capitalized Software- USFP-Tech Delivery - R1	USFP	90000107545	YES	G012	$ 4,595,067	11/1/2012	120	$2,106,072	$1,646,566	$1,876,319	8.0710%	4.58%	$ 5,213	$ 21,045
148	USFP - Reporting & Info-DD	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104650	YES	G012	$ 2,503,961	11/1/2012	120	$1,147,649	$897,253	$1,022,451	8.0710%	4.58%	$ 2,841	$ 11,468
149	SOLUTION DEL - DESIGN CAPEX	SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000097840	YES	G012	$ 906,402	11/1/2012	120	$415,434	$324,794	$370,114	8.0710%	4.58%	$ 1,028	$ 4,151
150	SOLUTION ARCH - DESIGN CAPEX	SOLUTION ARCH - DESIGN CAPEX - Capitalized Software	USFP	90000097839	YES	G012	$ 199,928	11/1/2012	120	$91,634	$71,641	$81,637	8.0710%	4.58%	$ 227	$ 916

Case 17-G-0239
Appendix 6
Schedule 17
Page 15 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210G NMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
151	FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097838	YES	G012	$ 1,441,354	11/1/2012	120	$660,621	$516,485	$588,553	8.0710%	4.58%	$ 1,635	$ 6,601
152	USFP - Controls & Roles-DD	USFP - Controls & Roles-DD - Capitalized Software	USFP	90000104652	YES	G012	$ 2,694,151	11/1/2012	120	$1,234,819	$965,404	$1,100,112	8.0710%	4.58%	$ 3,056	$ 12,339
153	USFP - Build & Unit Test-DD	USFP - Build & Unit Test-DD - Capitalized Software	USFP	90000104647	YES	G012	$ 2,783,413	11/1/2012	120	$1,275,731	$997,390	$1,136,560	8.0710%	4.58%	$ 3,158	$ 12,748
154	USFP-Controls & Roles -R1	Capitalized Software- USFP-Controls & Roles -R1	USFP	90000107546	YES	G012	$ 7,773,544	11/1/2012	120	$3,562,874	$2,785,520	$3,174,197	8.0710%	4.58%	$ 8,819	$ 35,603
155	USFP Test Procure	USFP Test Procure Capitalized Software	USFP	90000117369	YES	G012	$ 311,956	11/1/2012	120	$142,980	$111,784	$127,382	8.0710%	4.58%	$ 354	$ 1,429
156	USFP Test HR	USFP Test HR Capitalized Software	USFP	90000117366	YES	G012	$ 9,899	11/1/2012	120	$4,537	$3,547	$4,042	8.0710%	4.58%	$ 11	$ 45
157	USFP - Cutover-DD	USFP - Cutover-DD - Capitalized Software	USFP	90000104653	YES	G012	$ 118,108	11/1/2012	120	$54,133	$42,322	$48,227	8.0710%	4.58%	$ 134	$ 541
158	DESIGN AUTH - DESIGN CAPEX	DESIGN AUTH - DESIGN CAPEX - Capitalized Software	USFP	90000097842	YES	G012	$ 318,531	11/1/2012	120	$145,993	$114,140	$130,067	8.0710%	4.58%	$ 361	$ 1,459
159	PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software	USFP	90000097837	YES	G012	$ 5,995,338	11/1/2012	120	$2,747,863	$2,148,329	$2,448,096	8.0710%	4.58%	$ 6,801	$ 27,459
160	TXFER00099	FDC Enhancement (work order #8K008002108)	N/A	ITXFER00099	NO	C310	$ 2,245,499	10/1/2012	84	$481,178	$160,393	$320,786	8.0710%	0.00%	$ -	$ -
161	IN 2330 ETRM Repl Nucleus-Elec Bene	Cap Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	90000106247	YES	G198	$ 579,164	10/1/2012	84	$124,107	$41,369	$82,738	8.0710%	0.00%	$ -	$ -
162	IN 2330 ETRM Repl Nucleus-Gas Benef	IN 2330 ETRM Repl Nucleus-Gas Benef	2330	90000106246	YES	G210	$ 6,005,256	10/1/2012	84	$1,286,840	$428,947	$857,894	8.0710%	12.44%	$ 6,871	$ 106,722
163	TXFER00099	IN 2992 MA GAS SINGLE BILL (Work order #8K008002315)	2992	ITXFER00099	NO	C310	$ 754,588	10/1/2012	84	$161,697	$53,899	$107,798	8.0710%	0.00%	$ -	$ -
164	TXFER00099	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	2652	ITXFER00099	NO	C310	$ 427,462	10/1/2012	84	$91,599	$30,533	$61,066	8.0710%	0.00%	$ -	$ -
165	IN1488-Remote Access to Fault REC	Capitalized Software	1488	90000104410	YES	G220	$ 247,958	9/1/2012	84	$50,182	$14,759	$32,471	8.0710%	0.00%	$ -	$ -
166	KPI Reporting Tool	KPI Reporting Tool	N/A	90000103772	YES	G012	$ 1,184,110	8/1/2012	84	$225,545	$56,386	$140,965	8.0710%	4.58%	$ 423	$ 7,747
167	IN1656-CUST Systems Agent desktop	IN1656-CUST Systems Agent desktop	1656	90000104412	NO	C225	$ 10,436,678	8/1/2012	84	$1,987,939	$496,985	$1,242,462	8.0710%	0.00%	$ -	$ -
168	IN1671-US Transaction DEL HUB	IN1671-US Transaction DEL HUB	1671	90000104114	YES	G012	$ 526,002	8/1/2012	84	$100,191	$25,048	$62,619	8.0710%	4.58%	$ 188	$ 3,442
169	TXFER00099 (GTIS)	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	ITXFER00099	NO	C225	$ 3,866,615	6/1/2012	84	$644,436	$92,062	$368,249	8.0710%	0.00%	$ -	$ -
170	IN 1482--ACIS Target Pricing Model	Capitalized Software	1482	90000099166	YES	G198	$ 569,716	6/1/2012	84	$94,953	$13,565	$54,259	8.0710%	0.00%	$ -	$ -
171	INVP 0953 - Bill Pool 231	Smallworld GIS/PowerOn 4.0 upgrade	953	90000104088	YES	G198	$ 4,345,552	6/1/2012	84	$724,259	$103,466	$413,862	8.0710%	0.00%	$ -	$ -
172	Desktop (email, AD & SharePoint)	Desktop (email, AD & SharePoint)	N/A	90000096388	YES	G012	$ 1,258,446	3/1/2012	84	$164,796	$0	$82,398	8.0710%	4.58%	$ 268	$ 7,548
173	TXFER00099	IN1259B Contact Ctr Consol (work order #8K008002213)	1259B	ITXFER00099	NO	C310	$ 718,478	3/1/2012	84	$94,086	$0	$47,043	8.0710%	0.00%	$ -	$ -
174	Desktop (refresh)	Desktop (reflesh)	N/A	90000096380	YES	G012	$ 950,271	3/1/2012	84	$124,440	$0	$62,220	8.0710%	4.58%	$ 203	$ 5,699
175	Data Center Rationalization	Data Center Rationalization	N/A	90000096387	YES	G012	$ 793,491	3/1/2012	84	$103,909	$0	$51,955	8.0710%	4.58%	$ 169	$ 4,759
176	CDH Acct Initiation	CDH Acct Initiation	N/A	90000096389	YES	G012	$ 516,140	3/1/2012	84	$67,590	$0	$33,795	8.0710%	4.58%	$ 110	$ 3,096
177	IN 0980E - FiServ Solutions	IN 0980E - FiServ Solutions	0980E	90000098664	YES	G179	$ 453,167	3/1/2012	84	$59,343	$0	$29,672	8.0710%	9.55%	$ 202	$ 5,667
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	N/A	90000095332	YES	G012	$ 1,617,868	2/1/2012	84	$192,603	$0	$96,302	8.0710%	4.58%	$ 319	$ 8,821
179	Cascade Phase II project 2 of 2	Cascade Phase II project 2 of 2	N/A	90000116202	YES	G220	$ 1,051,038	12/1/2011	84	$100,099	$0	$50,049	8.0710%	0.00%	$ -	$ -
180	Cascade Phase II project 1 of 2	Cascade Phase II project 1 of 2	N/A	90000116201	YES	G198	$ 1,576,557	12/1/2011	84	$150,148	$0	$75,074	8.0710%	0.00%	$ -	$ -
181	UHF Spectrum Purchase Project	UHF Spectrum Purchase Project	N/A	90000104189	NO	G284	$ 2,116,624	10/1/2011	84	$151,187	$0	$75,594	8.0710%	0.00%	$ -	$ -
182	INVP 1242TB - KPI Metrics	INVP 1242TB - KPI Metrics	1242TB	90000104180	YES	G198	$ 622,592	10/1/2011	84	$44,471	$0	$22,235	8.0710%	0.00%	$ -	$ -
183	Video Conferencing	Video Conferencing	N/A	90000096376	YES	G012	$ 1,207,479	10/1/2011	84	$86,249	$0	$43,124	8.0710%	4.58%	$ 116	$ 3,950
184	JBCRD011-Wholesale Re-Des	JBCRD011-Wholesale Re-Des	N/A	90000104116	YES	G198	$ 436,385	10/1/2011	84	$31,170	$0	$15,585	8.0710%	0.00%	$ -	$ -
185	INVP 1242 - DECUS05	INVP 1242 - DECUS05	1242	90000104179	YES	G198	$ 253,998	10/1/2011	84	$18,143	$0	$9,071	8.0710%	0.00%	$ -	$ -
186	INVP 1224	INVP 1224	1224	90000104101	YES	G220	$ 601,562	10/1/2011	84	$42,969	$0	$21,484	8.0710%	0.00%	$ -	$ -
187	DECUS05-Autom for Mng Req	DECUS05-Autom for Mng Req	DECUS05	90000104123	YES	G198	$ 1,914,655	10/1/2011	84	$136,761	$0	$68,381	8.0710%	0.00%	$ -	$ -
188	WCOR09 - AVLS Integration	WCOR09 - AVLS Integration	WCOR09	90000104151	YES	G198	$ 313,523	10/1/2011	84	$22,395	$0	$11,197	8.0710%	0.00%	$ -	$ -
189	INVP 1391	INVP 1391	1391	90000104068	YES	G077	$ 523,093	9/1/2011	84	$31,137	$0	$15,568	8.0710%	7.38%	$ 67	$ 2,298
190	IN0823 Security Enhance Project	IN0823 Security Enhance Project	823	90000096383	YES	G012	$ 313,244	9/1/2011	84	$18,645	$0	$9,323	8.0710%	4.58%	$ 25	$ 854
191	NY NE IVR Replacement(NIMO)	NY NE IVR Replacement(NIMO)	N/A	90000112170	YES	G750	$ 1,058,009	7/1/2011	84	$37,786	$0	$18,893	8.0710%	17.00%	$ 188	$ 6,424
192	NE_NY IVR Replacement-Phase II(NIMO	NE_NY IVR Replacement-Phase II(NIMO	N/A	90000112171	YES	G750	$ 1,489,236	7/1/2011	84	$53,187	$0	$26,594	8.0710%	17.00%	$ 265	$ 9,042
193	Combine Meter Reading Routes	Combine Meter Reading Routes	N/A	90000104231	NO	G285	$ 364,462	5/1/2011	84	$4,339	$0	$2,169	8.0710%	0.00%	$ -	$ -
194	IN0309-SCM-ENGAGE VENDOR	IN0309-SCM-ENGAGE VENDOR	309	90000104115	YES	G012	$ 312,721	3/1/2011	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
195	INVP N/A-Talent Management	INVP N/A-Talent Management	N/A	90000104109	YES	G012	$ 208,232	3/1/2011	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
196	LIM/ZEMA Project	LIM/ZEMA Project	N/A	90000097857	YES	G012	$ 402,988	3/1/2011	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
197	FFA (NIMO)	FFA (NIMO)	N/A	90000108449	YES	G750	$ 7,548,509	3/1/2011	29	$0	$0	$0	8.0710%	17.00%	$ -	$ -
198	S&M Data Warehouse Expansion	S&M Data Warehouse Expansion	N/A	90000096374	YES	G012	$ 981,583	3/1/2011	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
199	Plan & Perf for Exec & US Dir	Plan & Perf for Exec & US Dir	USFP	90000096375	YES	G012	$ 294,053	3/1/2011	84	$0	$0	$0	8.0710%	4.58%	$ -	$ -
200	INVP2391-Implement UI Planner-CAPEX	INVP2391-Implement UI Planner-CAPEX	2391	90000096140	YES	G138	$ 1,686,410	3/1/2011	84	$0	$0	$0	8.0710%	4.73%	$ -	$ -
201	Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	90000105793	NO	G272	$ 13,392	12/1/2010	4	$0	$0	$0	8.0710%	0.00%	$ -	$ -
202	GIS Project (Bankers Lease)	GIS Project (Bankers Lease)	N/A	90000105800	NO	G284	$ 44,404	12/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -
203	ACIS Project (Banker's lease)	ACIS Project (Banker's lease)	N/A	90000106051	NO	G259	$ 154,535	12/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -
204	ISP01-Integrated Strat Plan	ISP01-Integrated Strat Plan	ISP01	90000104122	YES	G198	$ 1,105,706	12/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
205	SHORT04-Prima P6 Upgrade	SHORT04-Prima P6 Upgrade	SHORT04	90000104121	YES	G198	$ 1,443,524	12/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
206	TGM (formerly Bankers Lease)	TGM (formerly Bankers Lease)	N/A	90000105795	YES	G220	$ 12,348	12/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -
207	IN1242D-ISP-Integrated Strat Plan	Capitalized Software	1242D	90000096320	YES	G198	$ 360,244	12/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
208	AIMMS Project - Bill Pool 233	AIMMS Project - Bill Pool 233	N/A	90000104238	YES	G220	$ 47,097	10/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
209	Cascade Phase I project 2 of 2	Cascade Phase I project 2 of 2 Bill Pool 231	N/A	90000102451	YES	G198	$ 588,773	10/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
210	IVR Project Work	IVR Project Work	N/A	90000104059	NO	C284	$ 1,193,074	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
211	IN1588-21st Cent. FOR SYRACUSE/NB	IN1588-21st Cent. FOR SYRACUSE/NB	1588	90000104113	YES	G012	$ 273,401	9/1/2010	84	$0	$0	$0	8.0710%	4.58%	$ 10	$ -
212	INVP 1401	INVP 1401	1401	90000104080	YES	G012	$ 527,701	9/1/2010	84	$0	$0	$0	8.0710%	4.58%	$ 20	$ -
213	WO for Capital Chgs-FFA	WO for Capital Chgs-FFA	N/A	90000104186	NO	G284	$ 7,411,737	9/1/2010	29	$0	$0	$0	8.0710%	0.00%	$ -	$ -
214	Brnk Lease W MA F Optic Proj	Brnk Lease W MA F Optic Proj	N/A	90000104185	NO	G284	$ 435,545	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
215	AIMMS Project - Bill Pool 231	AIMMS Project - Bill Pool 231	N/A	90000104193	YES	G198	$ 231,345	9/1/2010	6	$0	$0	$0	8.0710%	0.00%	$ -	$ -
216	CIS Consolidation	CIS Consolidation	N/A	90000104055	NO	C284	$ 28,900,771	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
217	Web Initiatives FY09 - Phase 1	Web Initiatives FY09 - Phase 1	N/A	90000096373	YES	G012	$ 2,010,464	9/1/2010	84	$0	$0	$0	8.0710%	4.58%	$ 75	$ -
218	INVP 0845	INVP 0845	845	90000104060	YES	G012	$ 464,135	9/1/2010	84	$0	$0	$0	8.0710%	4.58%	$ 17	$ -
219	TXFER00099	GAS SCADA Upgrade/Modernize	N/A	ITXFER00099	NO	G239	$ 2,987,041	9/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
220	OMS-Capital -Bill Pool 232	OMS-Capital -Bill Pool 232	N/A	90000104188	NO	G284	$ 1,059,216	9/1/2010	35	$0	$0	$0	8.0710%	0.00%	$ -	$ -
221	INN/A-NERC CIP Compliance	INN/A-NERC CIP Compliance	N/A	90000096381	YES	G186	$ 1,155,595	7/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
222	Cascade Phase I project 1 of 2	Cascade Phase I project 1 of 2 Bill Pool 233	N/A	90000102450	YES	G220	$ 392,515	7/1/2010	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
223	OneNet	OneNet	N/A	90000096379	YES	G012	$ 4,483,264	6/1/2010	84	$0	$0	$0	8.0710%	4.58%	$ 168	$ -
224	Contact Centers Call Recording	Contact Centers Call Recording	N/A	90000096385	YES	G012	$ 361,473	3/1/2010	84	$0	$0	$0	8.0710%	4.58%	$ 14	$ -
225	TXFER00099	BUS TRANS - WIRES & PIPES - CAPITAL	N/A	ITXFER00099	NO	G227	$ 178	3/1/2007	84	$0	$0	$0	8.0710%	0.00%	$ -	$ -
226	TXFER00099	HR BENEFITS	N/A	ITXFER00099	NO	N237	$ 5,405,642	7/1/1999	83.97	$0	$0	$0	8.0710%	0.00%	$ -	$ -
227	1TXFER00099	DATA WAREHOUSE	N/A	ITXFER00099	NO	G230	$ 2,328,852	7/1/1999	60	$0	$0	$0	8.0710%	0.00%	$ -	$ -
228	INVP 2927 US Desktop Reflesh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 223,999	5/1/2016	84	$162,666	$130,666	$146,666	8.0710%	4.58%	$ 411	$ 1,466
229	INVP3853 NMPC C-Cure Conv to AMAG	INVP3614A2 IAM Ph3 Web Administration	3853	90000141742	YES	G020	$ 1,541,380	12/1/2016	84	$1,247,784	$1,027,587	$1,137,685	8.0710%	4.58%	$ 3,172	$ 10,085
230	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1	12/1/2016	84	$1	$1	$1	8.0710%	19.47%	$ 0	$ 0

Case 17-G-0239
Appendix 6
Schedule 17
Page 16 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Rate Year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY19 Total Spend	In Service Date	Amortization Period	4/1/2018 4/1/2018 Balance	3/31/2019 3/31/2019 Balance	Average Balance	8.0710% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
231	INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000170693	YES	G020	$ 93,939	12/1/2016	84	$76,046	$62,626	$69,336	8.0710%	4.58%	$ 193	$ 615
232	INVP 3896 SMI Conversion Mobilizati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	90000153520	YES	G020	$ 3,095,820	12/1/2016	84	$2,506,140	$2,063,880	$2,285,010	8.0710%	4.58%	$ 6,371	$ 20,256
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176043	YES	G012	$ 637,905	12/1/2016	120	$552,851	$489,061	$520,956	8.0710%	4.58%	$ 1,447	$ 2,922
234	INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	90000176039	YES	G012	$ 2,749,134	12/1/2016	120	$2,382,583	$2,107,669	$2,245,126	8.0710%	4.58%	$ 6,237	$ 12,591
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	90000172054	YES	G012	$ 1,858,401	12/1/2016	120	$1,610,615	$1,424,774	$1,517,694	8.0710%	4.58%	$ 4,217	$ 8,511
236	INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File_Email Transfer (Full) (Cyber Security)	3614	90000170691	YES	G020	$ 68,180	12/1/2016	84	$55,193	$45,453	$50,323	8.0710%	4.58%	$ 140	$ 446
237	INVP3614A1 IAM Ph2:Identity Adminis	INVP3614A1 IAM Ph2:Identity Administration (Cyber Security)	3614A	90000141707	YES	G020	$ 2,647,721	12/1/2016	84	$2,143,394	$1,765,148	$1,954,271	8.0710%	4.58%	$ 5,448	$ 17,324
238	INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	90000178452	YES	G012	$ 803,788	12/1/2016	120	$696,616	$616,238	$656,427	8.0710%	4.58%	$ 1,824	$ 3,681
239	INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP	90000176041	YES	G012	$ 723,292	12/1/2016	120	$626,853	$554,524	$590,689	8.0710%	4.58%	$ 1,641	$ 3,313
240	INVP 4218 - Blanket Work Order	INVP 4218 - Blanket Work Order	USFP	90000178859	YES	G012	$ 2,393,826	12/1/2016	120	$2,074,649	$1,835,266	$1,954,958	8.0710%	4.58%	$ 5,431	$ 10,964
241	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1,480,189	12/1/2016	84	$1,198,248	$986,792	$1,092,520	8.0710%	19.47%	$ 12,949	$ 41,170
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176046	YES	G012	$ 426,099	12/1/2016	120	$369,286	$326,676	$347,981	8.0710%	4.58%	$ 967	$ 1,952
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176040	YES	G012	$ 1,250,841	12/1/2016	120	$1,084,062	$958,978	$1,021,520	8.0710%	4.58%	$ 2,838	$ 5,729
244	INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	90000170290	YES	G020	$ 306,947	12/1/2016	84	$248,481	$204,631	$226,556	8.0710%	4.58%	$ 632	$ 2,008
245	INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614	90000141754	YES	G020	$ 2,171,757	12/1/2016	84	$1,758,089	$1,447,838	$1,602,963	8.0710%	4.58%	$ 4,469	$ 14,209
246	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 16,772	12/1/2016	120	$14,535	$12,858	$13,697	8.0710%	4.58%	$ 38	$ 77
247	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ (21,448)	12/1/2016	84	$0	$0	$0	8.0710%	4.58%	$ 32	$ -
		Total IS					$758,388,331			$372,642,441	$289,363,251	$331,002,846			$ 849,713	$ 3,360,546
														NIMO G	$ 4,210,259	

Case 17-G-0239
Appendix 6
Schedule 17
Page 17 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
1	INVP 3564 Cust Choice ESCO Gas	INVP 3564 Customer Choice ESCO Gas Management	3564	90000134705	NO	C225	$ 14,409,951	10/1/2016	84	$9,263,540	$7,204,976	$8,234,258	8.0210%	0.00%	$ -	$ -
2	INVP 4172 - Cross Company Customer	INVP 4172 - Cross Company Customer System Enhancements	4172	90000164925	YES	C175	$ 13,889,170	9/1/2016	84	$8,763,405	$6,779,238	$7,771,321	8.0210%	8.65%	$ 40,167	$ 171,644
3	INVP 4102 - Capture Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	G207	$ 303,525	9/1/2016	84	$191,510	$148,149	$169,829	8.0210%	19.47%	$ 1,976	$ 8,442
4	INVP 4244 - US Control EBB Gas	INVP 4244 - US Control EBB Gas Trading Day Changes	4244	90000171826	YES	G210	$ 617,691	7/1/2016	84	$375,027	$286,785	$330,906	8.0210%	12.44%	$ 2,462	$ 10,977
5	INVP 3914 - Bill Print Facility	INVP 3194 - Bill Print Facility Relocation Support	3914	90000171355	YES	C175	$ 317,738	7/1/2016	84	$192,912	$147,521	$170,217	8.0210%	8.65%	$ 881	$ 3,927
6	INVP3629 Cascade System for Gas	INVP3629 Cascade System for Gas	3629	90000134426	YES	G210	$ 2,353,207	7/1/2016	84	$1,428,733	$1,092,561	$1,260,647	8.0210%	12.44%	$ 9,380	$ 41,820
7	INVP3853 NMPC C-Cure Conv to AMAG	INVP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000145855	YES	G113	$ 822,678	7/1/2016	84	$499,483	$381,958	$440,720	8.0210%	20.54%	$ 5,414	$ 24,140
8	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (76,185)	6/1/2016	120	$0	$0	$0	8.0210%	4.58%	$ 115	$ -
9	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ (379,815)	6/1/2016	120	$0	$0	$0	8.0210%	4.58%	$ 572	$ -
10	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ (149,379)	6/1/2016	120	$0	$0	$0	8.0210%	4.58%	$ 225	$ -
11	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 413,864	5/1/2016	84	$241,420	$182,297	$211,859	8.0210%	4.58%	$ 581	$ 2,708
12	INVP3839 NY Retail Access	INVP3839 NY Retail Access Mandate	3839	90000141799	YES	G170	$ 2,330,372	5/1/2016	84	$1,359,384	$1,026,474	$1,192,929	8.0210%	10.92%	$ 7,801	$ 36,354
13	INVP2583 CRIS Migration	INVP 2583 CRIS Migration to CSS System	2583	90000137859	NO	C225	$ -	5/1/2016	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
14	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 6,823,937	5/1/2016	84	$3,980,630	$3,005,782	$3,493,206	8.0210%	4.58%	$ 9,581	$ 44,648
15	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ (3,665,858)	5/1/2016	120	$0	$0	$0	8.0210%	4.58%	$ 5,519	$ -
16	INVP4024 Soft Off Program	INVP4024 Soft Off Program	4024	90000156429	YES	G207	$ 1,285,464	4/1/2016	84	$734,551	$550,913	$642,732	8.0210%	19.47%	$ 7,498	$ 35,754
17	INVP 3883 Mobile Device for PTO, Me	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	90000153451	YES	G175	$ 1,743,812	4/1/2016	84	$996,464	$747,348	$871,906	8.0210%	5.73%	$ 2,994	$ 14,274
18	IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software- INVP3136 NE Gas Leaks Rechecks	3136	90000124374	NO	G310	$ 1,326,238	3/1/2016	84	$742,062	$552,599	$647,330	8.0210%	0.00%	$ -	$ -
19	INVP 4133 - LI Stabilization	INVP 4133 - LI Stabilization	4133	90000163306	NO	5230G	$ 677,092	3/1/2016	84	$378,849	$282,122	$330,485	8.0210%	0.00%	$ -	$ -
20	INVP3492 CI Services Foundation	INVP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	$ 2,570,472	2/1/2016	84	$1,407,640	$1,040,429	$1,224,035	8.0210%	4.58%	$ 3,364	$ 16,818
21	INVP3600B US Web Initiatives 2	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	$ 4,153,761	2/1/2016	84	$2,274,679	$1,681,284	$1,977,982	8.0210%	5.73%	$ 6,800	$ 34,002
22	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 2,078	2/1/2016	120	$1,420	$1,212	$1,316	8.0210%	4.58%	$ 4	$ 10
23	INVP 3375D Challenge Limits Letters	INVP3375D- Challenge the Limits Letters	3375D	90000140579	YES	G113	$ 409,859	2/1/2016	84	$224,447	$165,895	$195,171	8.0210%	20.54%	$ 2,405	$ 12,026
24	INVP2495H US CNI Frame Relay Replac	INVP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	$ 6,532,674	2/1/2016	84	$3,577,417	$2,644,178	$3,110,797	8.0210%	12.44%	$ 23,220	$ 116,095
25	INVP 4074 - MA Gas 4 Hour Appt	INVP 4074 - MA Gas 4 Hour Appointment	4074	90000160455	NO	C310	$ 291,566	1/1/2016	84	$156,196	$114,544	$135,370	8.0210%	0.00%	$ -	$ -
26	INVP 3237 Street Light Outage Impro	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	$ 324,546	1/1/2016	84	$173,864	$127,500	$150,682	8.0210%	0.00%	$ -	$ -
27	INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade	4323	90000171825	YES	G020	$ 2,868,015	11/1/2016	84	$1,877,867	$1,468,150	$1,673,009	8.0210%	4.58%	$ 4,574	$ 18,765
28	INVP 1172 - AMAG Upgrades	Access Control & Alarm Monitoring System	1172	90000112731	YES	G020	$ 6,129,079	11/1/2016	84	$4,013,087	$3,137,505	$3,575,296	8.0210%	4.58%	$ 9,774	$ 40,102
29	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ 1,747,846	11/1/2016	84	$1,144,423	$894,731	$1,019,577	8.0210%	4.58%	$ 2,787	$ 11,436
30	INVP 4266 - End User Device Refresh	INVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	$ 294,858	11/1/2016	84	$193,062	$150,939	$172,001	8.0210%	4.58%	$ 470	$ 1,929
31	EHR1 - Payroll	EHR1 - Payroll	USFP	90000148062	YES	G012	$ 6,240,543	12/1/2015	84	$3,268,856	$2,377,350	$2,823,103	8.0210%	4.58%	$ 7,770	$ 40,831
32	EHR1 - Finance	EHR1 - Finance	USFP	90000148060	YES	G012	$ 10,024,521	12/1/2015	84	$5,250,939	$3,818,865	$4,534,902	8.0210%	4.58%	$ 12,481	$ 65,589
33	EHR1 - Supply Chain	EHR1 - Supply Chain	USFP	90000148059	YES	G012	$ 18,657,154	12/1/2015	84	$9,772,795	$7,107,487	$8,440,141	8.0210%	4.58%	$ 23,229	$ 122,071
34	EHR1 - IT Delivery	EHR1 - IT Delivery	USFP	90000148061	YES	G012	$ 2,568,884	12/1/2015	120	$1,712,589	$1,455,701	$1,584,145	8.0210%	4.58%	$ 4,325	$ 11,765
35	EHR1 - PMO	EHR1 - PMO	USFP	90000148055	YES	G012	$ 8,346,172	12/1/2015	84	$4,371,804	$3,179,494	$3,775,649	8.0210%	4.58%	$ 10,391	$ 54,608
36	EHR1 - BPS	EHR1 - BPS	USFP	90000148063	YES	G012	$ 14,956,768	12/1/2015	84	$7,834,498	$5,697,816	$6,766,157	8.0210%	4.58%	$ 18,622	$ 97,860
37	DMS/OMS Replacement	NONE	N/A	90000098917	YES	G198	$ 65,683,888	12/1/2015	84	$34,405,846	$25,022,434	$29,714,140	8.0210%	0.00%	$ -	$ -
38	INVP 3375B Challenge the Limits XML	INVP3375B- Challenge the Limits XML	3375B	90000140573	YES	G179	$ 616,276	12/1/2015	84	$322,811	$234,772	$278,791	8.0210%	9.55%	$ 1,600	$ 8,408
39	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$ 12,524,547	10/1/2015	120	$8,140,956	$6,888,501	$7,514,728	8.0210%	4.58%	$ 20,530	$ 57,362
40	INVP2960C - GridForce SaaS Ph2	INVP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	G210	$ -	9/1/2015	84	$0	$0	$0	8.0210%	12.44%	$ -	$ -
41	INVP2940-GRC Enterprise Risk & Comp	Capitalized Software	2940	90000109629	YES	G012	$ 3,552,013	8/1/2015	84	$1,691,435	$1,184,004	$1,437,720	8.0210%	4.58%	$ 3,971	$ 23,240
42	INVP2892B Security Access Panels	INVP2892B Security Access Panels NERC CIP Compliance	2892B	90000142290	YES	G432	$ 686,428	8/1/2015	84	$326,870	$228,809	$277,840	8.0210%	0.00%	$ -	$ -
43	IN 1043 NE EMS Replacement	Replacement for WO 90000097247 to properly book the WO under the correct Intangible CWIP and asset G/L accounts.	1043	90000157429	NO	U273	$ 29,309,502	7/1/2015	84	$13,607,983	$9,420,911	$11,514,447	8.0210%	0.00%	$ -	$ -
44	INVP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm	2970	90000133045	YES	G020	$ 1,752,601	4/1/2015	84	$751,115	$500,743	$625,929	8.0210%	4.58%	$ 1,736	$ 11,467
45	IN 3124B GLOBAL HR STRATEGY	IN 3124B GLOBAL HR STRATEGY	3124B	90000119765	YES	G020	$ 1,752,217	4/1/2015	84	$750,950	$500,634	$625,792	8.0210%	4.58%	$ 1,736	$ 11,465
46	INVP3615 Success Enterprise Reporti	Capitalized Software INVP 3615 Success Enterprise Mgmt	3615	90000134377	YES	G186	$ 623,254	3/1/2015	84	$259,689	$170,653	$215,171	8.0210%	0.00%	$ -	$ -
47	USFP-Testing -R1	NONE	USFP	90000107542	YES	G012	$ -	3/1/2015	120	$0	$0	$0	8.0210%	4.58%	$ -	$ -
48	INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	$ 647,273	3/1/2015	84	$269,697	$177,230	$223,463	8.0210%	4.58%	$ 621	$ 4,235
49	INVP 1549B Meter Reading System Con	Capitalized Software- INVP 1549B Meter Reading	1549B	90000120707	YES	G175	$ 1,174,502	3/1/2015	84	$489,376	$321,590	$405,483	8.0210%	5.73%	$ 1,409	$ 9,614
50	INVP3022 Internet Toolset	INVP3022 Internet Toolset	3022	90000138893	YES	G175	$ -	3/1/2015	84	$0	$0	$0	8.0210%	5.73%	$ -	$ -
51	INVP 3378 Rubber Goods Testing	INVP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	$ 396,375	3/1/2015	84	$165,156	$108,531	$136,844	8.0210%	0.00%	$ -	$ -
52	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	$ 782,169	3/1/2015	84	$325,904	$214,165	$270,034	8.0210%	4.58%	$ 750	$ 5,118
53	INVP0823c Laptop & Port Device Info	INVP0823c Laptop & Port Device Info	0823c	90000105318	YES	G012	$ 2,543,084	3/1/2015	84	$1,059,618	$696,321	$877,970	8.0210%	4.58%	$ 2,439	$ 16,639
54	INVP823D Guardium	INVP823D Guardium	823D	90000141134	YES	G012	$ -	3/1/2015	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
55	INVP2960C GridForce SaaS Phase 2	INVP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	$ 3,254,217	3/1/2015	84	$1,355,924	$891,036	$1,123,480	8.0210%	12.44%	$ 8,476	$ 57,832
56	INVP 3600 - US Web Initiatives	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	$ 1,380,415	3/1/2015	84	$575,173	$377,971	$476,572	8.0210%	8.65%	$ 2,500	$ 17,059
57	INVP 3039 US eDiscovery	Capitalized Software- INVP 3039 EDiscovery	3039	90000118116	YES	G012	$ 393,008	3/1/2015	84	$163,753	$107,609	$135,681	8.0210%	4.58%	$ 377	$ 2,571
58	INVP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	G012	$ 244,374	3/1/2015	84	$101,823	$66,912	$84,367	8.0210%	4.58%	$ 234	$ 1,599
59	INVP 2982b Identity & Access Mgt Pr	INVP 2982b Identity & Access Mgt Pr	2982b	90000113826	YES	G012	$ 3,576,972	3/1/2015	84	$1,490,405	$979,409	$1,234,907	8.0210%	4.58%	$ 3,430	$ 23,404
60	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 1	2/1/2015	84	$0	$0	$0	8.0210%	4.58%	$ 0	$ 0
61	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 7,489,757	2/1/2015	120	$4,369,025	$3,620,049	$3,994,537	8.0210%	4.58%	$ 14,674	$ 34,303
62	USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery	USFP	90000142344	YES	G012	$ 9,575,835	1/1/2015	120	$5,506,105	$4,548,522	$5,027,313	8.0210%	4.58%	$ 13,779	$ 43,857
63	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$ 9,814,175	1/1/2015	120	$5,643,150	$4,661,733	$5,152,442	8.0210%	4.58%	$ 14,122	$ 44,949
64	INVP 2577 GIS Consol Ph 2	INVP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	$ 2,882,206	1/1/2015	84	$1,132,295	$720,552	$926,423	8.0210%	12.44%	$ 7,010	$ 51,221
65	INVP 2983a CNI Network Security Pro	Capitalized Software	2983a	90000113827	YES	G012	$ 115,489	12/1/2014	84	$43,996	$27,497	$35,746	8.0210%	4.58%	$ 100	$ 756
66	Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	NO	G284	$ 186,308	10/1/2014	84	$66,538	$39,923	$53,231	8.0210%	0.00%	$ -	$ -
67	New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	N/A	90000100684	NO	G284	$ 88,951	10/1/2014	84	$31,768	$19,061	$25,415	8.0210%	0.00%	$ -	$ -
68	INVP 1643B - NY Commodity Rates	INVP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	$ 18,216	10/1/2014	84	$6,506	$3,903	$5,204	8.0210%	20.54%	$ 65	$ 534
69	IN 1642--Radio Standardization Cons	IN 1642--Radio Standardization Cons Capitalized Software	1642	90000099327	YES	G012	$ 130,644	10/1/2014	84	$46,659	$27,995	$37,327	8.0210%	4.58%	$ 105	$ 855
70	IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	NO	C225	$ 66,932	8/1/2014	84	$22,311	$12,749	$17,530	8.0210%	0.00%	$ -	$ -
71	INVP 2162 - PRIMAVERA EXPANSION	INVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376	$ 228,928	7/1/2014	84	$73,584	$40,880	$57,232	8.0210%	6.09%	$ 215	$ 1,992
72	INVP1485 Computapole Migration W7	INVP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	$ 874,103	7/1/2014	84	$280,962	$156,090	$218,526	8.0210%	0.00%	$ -	$ -
73	1642 - Radio Standardization Cons	IN 1642--Radio Standardization Cons - Capitalized Software	1642	90000099326	YES	G012	$ 3,046,691	7/1/2014	84	$979,294	$544,052	$761,673	8.0210%	4.58%	$ 2,147	$ 19,934
74	INVP2997B EVM Phase 2	INVP2997B Earned Value Management Phase 2 - Capitalized Software	2997B	90000134297	YES	G186	$ 138,248	7/1/2014	84	$44,437	$24,687	$34,562	8.0210%	0.00%	$ -	$ -
75	IN 1182 GAS TRANSPORT SYS (GTS)	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	$ 1,780,960	7/1/2014	84	$572,451	$318,029	$445,240	8.0210%	0.00%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 18 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
76	INVP 2997 Earned Value Mgmt Rptg	INVP 2997 Earned Value Mgmt Rptg - Capitalized Software	2997	90000120197	YES	G186	$ 603,575	7/1/2014	84	$194,006	$107,781	$150,894	8.0210%	0.00%	$ -	$ -
77	INVP3374 SmallWorld GIS FY13 R 1-2	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	90000120127	YES	G198	$ 309,785	7/1/2014	84	$99,574	$55,319	$77,446	8.0210%	0.00%	$ -	$ -
78	IN N/A NE & NY EMS NERC-CIP Auth MW	IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	$ 64,286	3/1/2014	84	$17,602	$8,418	$13,010	8.0210%	0.00%	$ -	$ -
79	INVP 0887	Capitalized Software	887	90000104061	YES	G077	$ 258,131	3/1/2014	84	$70,679	$33,803	$52,241	8.0210%	7.38%	$ 240	$ 2,721
80	INVP 1242 - WCOR01	INVP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198	$ 3,750	3/1/2014	84	$1,027	$491	$759	8.0210%	0.00%	$ -	$ -
81	Meter Route Consol	INVP 1182B Gas Transportation System Meter Route Consol	1182B	90000124368	NO	G227	$ 410,384	3/1/2014	84	$112,367	$53,741	$83,054	8.0210%	0.00%	$ -	$ -
82	INVP N/A- NE EMS TSS	INVP N/A NE EMS TSS Capitalized Software	N/A	90000104968	NO	G272	$ 255,055	3/1/2014	84	$69,837	$33,400	$51,618	8.0210%	0.00%	$ -	$ -
83	IN1182BGAS TRANS SYS PHASE 2 (GTIS)	Capitalized Software- IN1182BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237	$ 1,675,640	3/1/2014	84	$458,806	$219,429	$339,118	8.0210%	0.00%	$ -	$ -
84	GAS Transformation	GAS Transformation	N/A	90000096386	YES	G012	$ 114,360	3/1/2014	84	$31,313	$14,976	$23,144	8.0210%	4.58%	$ 66	$ 748
85	INVP 2981 US Security Awareness	INVP 2981 US Security Awareness Cap Software	2981	90000117533	YES	G012	$ 250,393	3/1/2014	84	$68,560	$32,790	$50,675	8.0210%	4.58%	$ 145	$ 1,638
86	INVP 3393 Enhancement of Reservior W	INVP 3393 Enhancement of Reservior Woods Capitalized Software	3393	90000122634	YES	J063	$ 101,136	2/1/2014	84	$26,488	$12,040	$19,264	8.0210%	2.55%	$ 31	$ 368
87	Inspect System Resources/Hard/Softw	Capitalized Software	N/A	90000104057	YES	G160	$ 26,246	2/1/2014	84	$6,874	$3,125	$4,999	8.0210%	7.15%	$ 22	$ 268
88	INVP 3294 - PowerPlant Leased Asset	Capitalized Software	3294	90000117978	YES	G012	$ 969,208	2/1/2014	84	$253,840	$115,382	$184,611	8.0210%	4.58%	$ 529	$ 6,341
89	STD01-Concept Est Tool	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104104	YES	G198	$ 873,898	2/1/2014	84	$228,878	$104,035	$166,457	8.0210%	0.00%	$ -	$ -
90	CM-NEW02-Simp Order Proc	Capitalized Software	NEW02	90000104149	YES	G198	$ 7,803	2/1/2014	84	$2,044	$929	$1,486	8.0210%	0.00%	$ -	$ -
91	INVP 3103 Business Capture Software	INVP 3103 IRISE Capitalized Software	3103	90000106874	YES	G012	$ 3,036,545	2/1/2014	84	$795,286	$361,493	$578,390	8.0210%	4.58%	$ 1,657	$ 19,868
92	WCLS13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198	$ 20,566	2/1/2014	84	$5,386	$2,448	$3,917	8.0210%	0.00%	$ -	$ -
93	INVP 3195 Storms Archive Tool Imple	INVP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160	$ 627,573	12/1/2013	84	$149,422	$59,769	$104,596	8.0210%	7.15%	$ 472	$ 6,410
94	INVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	90000107276	YES	G012	$ 1,023,605	11/1/2013	84	$231,530	$85,300	$158,415	8.0210%	4.58%	$ 461	$ 6,697
95	INVP 3232A - Tallyman & Paperless B	Capitalized Software	3232A	90000116954	YES	G179	$ 953,115	11/1/2013	84	$215,585	$79,426	$147,506	8.0210%	9.55%	$ 895	$ 13,003
96	INVP 1643C - NIMO EL TOU + Deposits	Capitalized Software	1643C	90000116900	YES	G179	$ 606,020	11/1/2013	84	$137,076	$50,502	$93,789	8.0210%	9.55%	$ -	$ 8,268
97	INVP 3307 iFactor StormCenter Host	Capitalized Software	3307	90000119141	YES	G012	$ 668,684	11/1/2013	84	$151,250	$55,724	$103,487	8.0210%	4.58%	$ 301	$ 4,375
98	INVP1549-Non-Interval Collect Sys C	Capitalized Software	1549	90000107743	YES	G012	$ 1,099,783	11/1/2013	84	$248,760	$91,649	$170,205	8.0210%	4.58%	$ 495	$ 7,196
99	INVP 1356A US Retail Web Customer &	INVP 1356A US Retail Web Customer & Markets	1356A	90000100058	YES	G179	$ 6,726,634	11/1/2013	84	$1,521,501	$560,553	$1,041,027	8.0210%	9.55%	$ 6,317	$ 91,771
100	INVP 2732 US Storage Switch Replace	Capitalized Software	2732	90000104631	YES	G012	$ 588,353	11/1/2013	84	$133,080	$49,029	$91,055	8.0210%	4.58%	$ 265	$ 3,850
101	EDOT-Customer Management-CM-NEW03	Capitalized Software	NEW03	90000093776	YES	G198	$ 208,231	11/1/2013	84	$47,100	$17,353	$32,226	8.0210%	0.00%	$ -	$ -
102	INVP 1389 US Computing Minor Works	Capitalized Software	1389	90000104257	YES	G012	$ 267,594	11/1/2013	84	$60,527	$22,299	$41,413	8.0210%	4.58%	$ 121	$ 1,751
103	INVP 2832 - ACIS Alliance Contracts	Capitalized Software	2832	90000112827	YES	G186	$ 324,412	11/1/2013	84	$73,379	$27,034	$50,207	8.0210%	0.00%	$ -	$ -
104	IN 2172-IDS Reporting & Analysis	Capitalized Software	2172	90000106487	YES	G198	$ 710,520	11/1/2013	84	$160,713	$59,210	$109,961	8.0210%	0.00%	$ -	$ -
105	Global Web Implementation	Capitalized Software	N/A	90000095326	YES	G012	$ 4,281,380	11/1/2013	84	$968,407	$356,782	$662,595	8.0210%	4.58%	$ 1,928	$ 28,012
106	INVP 3076-QAS Address Hygiene	Capitalized Software	3076	90000109487	YES	G012	$ 270,279	11/1/2013	84	$61,135	$22,523	$41,829	8.0210%	4.58%	$ 122	$ 1,768
107	INVP 3210 - Infographics Conversion	Capitalized Software	3210	90000116474	NO	G259	$ 1,327,228	11/1/2013	84	$300,206	$110,602	$205,404	8.0210%	0.00%	$ -	$ -
108	INVP2135-Cust Choice Email Tracking	Capitalized Software	2135	90000113005	YES	G012	$ 621,113	11/1/2013	84	$140,490	$51,759	$96,125	8.0210%	4.58%	$ 280	$ 4,064
109	IN 2522 VTL REPLACEMENT US	INVP2522 VTL Replacement Cap Software	2522	90000104630	YES	HT71	$ 648,194	11/1/2013	84	$146,615	$54,016	$100,316	8.0210%	6.16%	$ 393	$ 5,704
110	IN2960B CRM SAAS IMPLEMEN	Software-INVP 2960B CRM Salesforce SaaS	2960B	90000119937	YES	G175	$ 1,117,121	10/1/2013	84	$239,383	$79,794	$159,589	8.0210%	5.73%	$ 585	$ 9,144
111	INVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	90000118115	YES	G012	$ 326,615	10/1/2013	84	$69,989	$23,330	$46,659	8.0210%	4.58%	$ 137	$ 2,137
112	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ (2,545,646)	4/1/2013	120	$0	$0	$0	8.0210%	4.58%	$ 3,832	$ -
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ (284,633)	4/1/2013	120	$0	$0	$0	8.0210%	4.58%	$ 429	$ -
114	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ (2,195,181)	4/1/2013	120	$0	$0	$0	8.0210%	4.58%	$ 3,305	$ -
115	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$ 2,195,181	11/1/2012	120	$786,607	$567,089	$676,848	8.0210%	4.58%	$ 1,889	$ 10,054
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$ 284,633	11/1/2012	120	$101,994	$73,530	$87,762	8.0210%	4.58%	$ 245	$ 1,304
117	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$ 2,545,646	11/1/2012	120	$912,190	$657,625	$784,907	8.0210%	4.58%	$ 2,190	$ 11,659
118	USFP-PMO - R 1	Capitalized Software-USFP-PMO - R1	USFP	90000107539	YES	G012	$ 13,294,040	11/1/2012	120	$4,763,697	$3,434,294	$4,098,996	8.0210%	4.58%	$ 11,439	$ 60,887
119	USFP-Process & Design -R1	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	$ 7,564,718	11/1/2012	120	$2,710,691	$1,954,219	$2,332,455	8.0210%	4.58%	$ 6,509	$ 34,646
120	USFP - Hardware & Software-DD	USFP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012	$ 2,770,640	11/1/2012	120	$992,813	$715,749	$854,281	8.0210%	4.58%	$ 2,384	$ 12,690
121	USFP - Solution Architecture-DD	USFP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012	$ 2,908,470	11/1/2012	120	$1,042,202	$751,355	$896,778	8.0210%	4.58%	$ 2,503	$ 13,321
122	USFP - PMO-DD	USFP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012	$ 4,761,712	11/1/2012	120	$1,706,280	$1,230,109	$1,468,194	8.0210%	4.58%	$ 4,097	$ 21,809
123	USFP-Business Engagement -R1	Capitalized Software-USFP-Business Engagement -R1	USFP	90000107549	YES	G012	$ 154,570	11/1/2012	120	$55,388	$39,931	$47,659	8.0210%	4.58%	$ 133	$ 708
124	HR STREAM - DESIGN CAPEX	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	$ 826,202	11/1/2012	120	$296,056	$213,436	$254,746	8.0210%	4.58%	$ 711	$ 3,784
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012	$ 1,708,792	11/1/2012	120	$612,317	$441,438	$526,877	8.0210%	4.58%	$ 1,470	$ 7,826
126	USFP - Testing-DD	USFP - Testing-DD - Capitalized Software	USFP	90000104648	YES	G012	$ 209,496	11/1/2012	120	$75,070	$54,120	$64,595	8.0210%	4.58%	$ 180	$ 959
127	USFP Test Net Strat	Capitalized Software- USFP Test Net Strat	USFP	90000117362	YES	G012	$ 1,305,452	11/1/2012	120	$467,787	$337,242	$402,514	8.0210%	4.58%	$ 1,123	$ 5,979
128	USFP Test Ops	Capitalized Software- USFP Test Ops	USFP	90000117358	YES	G012	$ 4,359,638	11/1/2012	120	$1,562,204	$1,126,240	$1,344,222	8.0210%	4.58%	$ 3,751	$ 19,967
129	USFP-Cutover -R1	Capitalized Software- USFP-Cutover -R1	USFP	90000107547	YES	G012	$ 2,728,737	11/1/2012	120	$977,797	$704,924	$841,361	8.0210%	4.58%	$ 2,348	$ 12,498
130	USFP-Reporting & Info - R1	Capitalized Software-USFP-Reporting & Info - R1	USFP	90000107544	YES	G012	$ 6,197,728	11/1/2012	120	$2,220,852	$1,601,080	$1,910,966	8.0210%	4.58%	$ 5,333	$ 28,386
131	US Pre-BLUEPRINT STRATEGY PLAN	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	$ 6,530,003	11/1/2012	120	$2,339,918	$1,686,917	$2,013,418	8.0210%	4.58%	$ 5,619	$ 29,907
132	USFP-Hardware & Software-R1	Capitalized Software- USFP-Hardware & Software-R1	USFP	90000107551	YES	G012	$ 23,426,143	11/1/2012	120	$8,394,368	$6,051,754	$7,223,061	8.0210%	4.58%	$ 20,157	$ 107,292
133	USFP Test Finance	USFP Test Finance Capitalized Software	USFP	90000117364	YES	G012	$ 3,910,865	11/1/2012	120	$1,401,393	$1,010,307	$1,205,850	8.0210%	4.58%	$ 3,365	$ 17,912
134	USFP - Process & Design-DD	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	YES	G012	$ 17,463,817	11/1/2012	120	$6,257,868	$4,511,486	$5,384,677	8.0210%	4.58%	$ 15,026	$ 79,984
135	S/CHAIN STREAM - DESIGN CAPEX	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	$ 1,038,127	11/1/2012	120	$371,995	$268,183	$320,089	8.0210%	4.58%	$ 893	$ 4,755
136	US FOUNDATION PRGM ARCH/DECOM	Capitalized Software- US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012	$ 1,242,446	11/1/2012	120	$445,210	$320,965	$383,087	8.0210%	4.58%	$ 1,069	$ 5,690
137	USFP-Solution Architecture-R1	Capitalized Software- USFP-Solution Architecture-R1	USFP	90000107550	YES	G012	$ 2,536,861	11/1/2012	120	$909,042	$655,356	$782,199	8.0210%	4.58%	$ 2,183	$ 11,619
138	USFP - Data Strategy-DD	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012	$ 2,531,924	11/1/2012	120	$907,273	$654,080	$780,676	8.0210%	4.58%	$ 2,179	$ 11,596
139	PROCESS CONTROL - DESIGN CAPEX	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	$ 138,806	11/1/2012	120	$49,739	$35,858	$42,799	8.0210%	4.58%	$ 119	$ 636
140	INFORMATION MGMT - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	YES	G012	$ 346,941	11/1/2012	120	$124,320	$89,626	$106,973	8.0210%	4.58%	$ 299	$ 1,589
141	PROCESS & DATA - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012	$ 271,405	11/1/2012	120	$97,254	$70,113	$83,683	8.0210%	4.58%	$ 234	$ 1,243
142	USFP-Build & Unit Test -R1	Capitalized Software-USFP-Build & Unit Test -R1	USFP	90000107541	YES	G012	$ 26,765,794	11/1/2012	120	$9,591,076	$6,914,497	$8,252,787	8.0210%	4.58%	$ 23,030	$ 122,587
143	USFP-Business Readiness -R1	Capitalized Software- USFP-Business Readiness -R1	USFP	90000107548	YES	G012	$ 2,020,438	11/1/2012	120	$723,990	$521,947	$622,968	8.0210%	4.58%	$ 1,738	$ 9,254
144	USFP-Data Strategy - R1	Capitalized Software- USFP-Data Strategy - R1	USFP	90000107543	YES	G012	$ 7,738,324	11/1/2012	120	$2,772,899	$1,999,067	$2,385,983	8.0210%	4.58%	$ 6,658	$ 35,442
145	USFP Test SS	Capitalized Software-USFP Test SS	USFP	90000117367	YES	G012	$ 46,113,703	11/1/2012	120	$16,524,077	$11,912,707	$14,218,392	8.0210%	4.58%	$ 39,678	$ 211,201
146	USFP-Testing -R1	Capitalized Software- USFP-Testing -R1	USFP	90000107542	YES	G012	$ 61,366,885	11/1/2012	120	$21,989,800	$15,853,112	$18,921,456	8.0210%	4.58%	$ 52,802	$ 281,060
147	USFP-Tech Delivery - R1	Capitalized Software- USFP-Tech Delivery - R1	USFP	90000107545	YES	G012	$ 4,595,067	11/1/2012	120	$1,646,566	$1,187,059	$1,416,812	8.0210%	4.58%	$ 3,954	$ 21,045
148	USFP - Reporting & Info-DD	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104650	YES	G012	$ 2,503,961	11/1/2012	120	$897,253	$646,857	$772,055	8.0210%	4.58%	$ 2,154	$ 11,468
149	SOLUTION DEL - DESIGN CAPEX	SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000097840	YES	G012	$ 906,402	11/1/2012	120	$324,794	$234,154	$279,474	8.0210%	4.58%	$ 780	$ 4,151
150	SOLUTION ARCH - DESIGN CAPEX	SOLUTION ARCH - DESIGN CAPEX - Capitalized Software	USFP	90000097839	YES	G012	$ 199,928	11/1/2012	120	$71,641	$51,648	$61,645	8.0210%	4.58%	$ 172	$ 916

Case 17-G-0239
Appendix 6
Schedule 17
Page 19 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
151	FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097838	YES	G012	$ 1,441,354	11/1/2012	120	$516,485	$372,350	$444,418	8.0210%	4.58%	$ 1,240	$ 6,601
152	USFP - Controls & Roles-DD	USFP - Controls & Roles-DD - Capitalized Software	USFP	90000104652	YES	G012	$ 2,694,151	11/1/2012	120	$965,404	$695,989	$830,697	8.0210%	4.58%	$ 2,318	$ 12,339
153	USFP - Build & Unit Test-DD	USFP - Build & Unit Test-DD - Capitalized Software	USFP	90000104647	YES	G012	$ 2,783,413	11/1/2012	120	$997,390	$719,048	$858,219	8.0210%	4.58%	$ 2,395	$ 12,748
154	USFP-Controls & Roles -R1	Capitalized Software- USFP-Controls & Roles -R1	USFP	90000107546	YES	G012	$ 7,773,544	11/1/2012	120	$2,785,520	$2,008,165	$2,396,843	8.0210%	4.58%	$ 6,689	$ 35,603
155	USFP Test Procure	USFP Test Procure Capitalized Software	USFP	90000117369	YES	G012	$ 311,956	11/1/2012	120	$111,784	$80,589	$96,187	8.0210%	4.58%	$ 268	$ 1,429
156	USFP Test HR	USFP Test HR Capitalized Software	USFP	90000117366	YES	G012	$ 9,899	11/1/2012	120	$3,547	$2,557	$3,052	8.0210%	4.58%	$ 9	$ 45
157	USFP - Cutover-DD	USFP - Cutover-DD - Capitalized Software	USFP	90000104653	YES	G012	$ 118,108	11/1/2012	120	$42,322	$30,511	$36,417	8.0210%	4.58%	$ 102	$ 541
158	DESIGN AUTH - DESIGN CAPEX	DESIGN AUTH - DESIGN CAPEX - Capitalized Software	USFP	90000097842	YES	G012	$ 318,531	11/1/2012	120	$114,140	$82,287	$98,214	8.0210%	4.58%	$ 274	$ 1,459
159	PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software	USFP	90000097837	YES	G012	$ 5,995,338	11/1/2012	120	$2,148,329	$1,548,796	$1,848,562	8.0210%	4.58%	$ 5,159	$ 27,459
160	TXFER00099	FDC Enhancement (work order #8K008002108)	N/A	1TXFER00099	NO	C310	$ 2,245,499	10/1/2012	84	$160,393	$0	$80,196	8.0210%	0.00%	$ -	$ -
161	IN 2330 ETRM Repl Nucleus-Elec Bene	Cap Software IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	90000106247	YES	G198	$ 579,164	10/1/2012	84	$41,369	$0	$20,684	8.0210%	0.00%	$ -	$ -
162	IN 2330 ETRM Repl Nucleus-Gas Benef	IN 2330 ETRM Repl Nucleus-Gas Benef	2330	90000106246	YES	G210	$ 6,005,256	10/1/2012	84	$428,947	$0	$214,473	8.0210%	12.44%	$ 2,162	$ 53,361
163	TXFER00099	IN 2992 MA GAS SINGLE BILL (Work order #8K008002315)	2992	1TXFER00099	NO	C310	$ 754,588	10/1/2012	84	$53,899	$0	$26,950	8.0210%	0.00%	$ -	$ -
164	TXFER00099	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	2652	1TXFER00099	NO	C310	$ 427,462	10/1/2012	84	$30,533	$0	$15,266	8.0210%	0.00%	$ -	$ -
165	IN1488-Remote Access to Fault REC	Capitalized Software	1488	90000104110	YES	G220	$ 247,958	9/1/2012	84	$14,759	$0	$7,380	8.0210%	0.00%	$ -	$ -
166	KPI Reporting Tool	KPI Reporting Tool	N/A	90000103772	YES	G012	$ 1,184,110	8/1/2012	84	$56,386	$0	$28,193	8.0210%	4.58%	$ 119	$ 2,582
167	IN1656-CUST. Systems Agent desktop	IN1656-CUST. Systems Agent desktop	1656	90000104112	NO	C225	$ 10,436,678	8/1/2012	84	$496,985	$0	$248,492	8.0210%	0.00%	$ -	$ -
168	IN1671-US Transaction DEL HUB	IN1671-US Transaction DEL HUB	1671	90000104114	YES	G012	$ 526,002	8/1/2012	84	$25,048	$0	$12,524	8.0210%	4.58%	$ 53	$ 1,147
169	TXFER00099 (GTIS)	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	1TXFER00099	NO	C225	$ 3,866,615	6/1/2012	84	$92,062	$0	$46,031	8.0210%	0.00%	$ -	$ -
170	IN 1482--ACIS Target Pricing Model	Capitalized Software	1482	90000099166	YES	G198	$ 569,716	6/1/2012	84	$13,565	$0	$6,782	8.0210%	0.00%	$ -	$ -
171	INVP 0953 - Bill Pool 231	Smallworld GIS/PowerOn 4.0 upgrade	953	90000104088	YES	G198	$ 4,345,552	6/1/2012	84	$103,466	$0	$51,733	8.0210%	0.00%	$ -	$ -
172	Desktop (email, AD & SharePoint)	Desktop (email, AD & SharePoint)	N/A	90000096388	YES	G012	$ 1,258,446	3/1/2012	84	$0	$0	$0	8.0210%	4.58%	$ 47	$ -
173	TXFER00099	IN1259B Contact Ctr Consol (work order #8K008002213)	1259B	1TXFER00099	NO	C310	$ 718,478	3/1/2012	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
174	Desktop (refresh)	Desktop (refresh)	N/A	90000096380	YES	G012	$ 950,271	3/1/2012	84	$0	$0	$0	8.0210%	4.58%	$ 35	$ -
175	Data Center Rationalization	Data Center Rationalization	N/A	90000096387	YES	G012	$ 793,491	3/1/2012	84	$0	$0	$0	8.0210%	4.58%	$ 30	$ -
176	CDH Acct Initiation	CDH Acct Initiation	N/A	90000096389	YES	G012	$ 516,140	3/1/2012	84	$0	$0	$0	8.0210%	4.58%	$ 19	$ -
177	IN 0980E - FiServ Solutions	IN 0980E - FiServ Solutions	0980E	90000098664	YES	G179	$ 453,167	3/1/2012	84	$0	$0	$0	8.0210%	9.55%	$ 35	$ -
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	N/A	90000095332	YES	G012	$ 1,617,868	2/1/2012	84	$0	$0	$0	8.0210%	4.58%	$ 60	$ -
179	Cascade Phase II project 2 of 2	Cascade Phase II project 2 of 2	N/A	90000116202	YES	G220	$ 1,051,038	12/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
180	Cascade Phase II project 1 of 2	Cascade Phase II project 1 of 2	N/A	90000116201	YES	G198	$ 1,576,557	12/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
181	UHF Spectrum Purchase Project	UHF Spectrum Purchase Project	N/A	90000104189	NO	G284	$ 2,116,624	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
182	INVP 1242TB - KPI Metrics	INVP 1242TB - KPI Metrics	1242TB	90000104180	YES	G198	$ 622,592	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
183	Video Conferencing	Video Conferencing	N/A	90000096376	YES	G012	$ 1,207,479	10/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
184	JBCRD011-Wholesale Re-Des	JBCRD011-Wholesale Re-Des	N/A	90000104116	YES	G198	$ 436,385	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
185	INVP 1242 - DECUS05	INVP 1242 - DECUS05	1242	90000104179	YES	G198	$ 253,998	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
186	INVP 1224	INVP 1224	1224	90000104101	YES	G220	$ 601,562	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
187	DECUS05-Autom for Mng Req	DECUS05-Autom for Mng Req	DECUS05	90000104123	YES	G198	$ 1,914,655	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
188	WCOR09 - AVLS Integration	WCOR09 - AVLS Integration	WCOR09	90000104151	YES	G198	$ 313,523	10/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
189	INVP 1391	INVP 1391	1391	90000104068	YES	G077	$ 523,093	9/1/2011	84	$0	$0	$0	8.0210%	7.38%	$ -	$ -
190	IN0823 Security Enhance Project	IN0823 Security Enhance Project	823	90000096383	YES	G012	$ 313,244	9/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
191	NY NE IVR Replacement(NIMO)	NY NE IVR Replacement(NIMO)	N/A	90000112170	YES	G750	$ 1,058,009	7/1/2011	84	$0	$0	$0	8.0210%	17.00%	$ -	$ -
192	NE_NY IVR Replacement-Phase II(NIMO	NE_NY IVR Replacement-Phase II(NIMO	N/A	90000112171	YES	G750	$ 1,489,236	7/1/2011	84	$0	$0	$0	8.0210%	17.00%	$ -	$ -
193	Combine Meter Reading Routes	Combine Meter Reading Routes	N/A	90000104231	NO	G285	$ 364,462	5/1/2011	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
194	IN0309-SCM-ENGAGE VENDOR	IN0309-SCM-ENGAGE VENDOR	309	90000104115	YES	G012	$ 312,721	3/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
195	INVP N/A-Talent Management	INVP N/A-Talent Management	N/A	90000104109	YES	G012	$ 208,232	3/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
196	LIM/ZEMA Project	LIM/ZEMA Project	N/A	90000097857	YES	G012	$ 402,988	3/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
197	FFA (NIMO)	FFA (NIMO)	N/A	90000108449	YES	G750	$ 7,548,509	3/1/2011	29	$0	$0	$0	8.0210%	17.00%	$ -	$ -
198	S&M Data Warehouse Expansion	S&M Data Warehouse Expansion	N/A	90000096374	YES	G012	$ 981,583	3/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
199	Plan & Perf for Exec & US Dir	Plan & Perf for Exec & US Dir	USFP	90000096375	YES	G012	$ 294,053	3/1/2011	84	$0	$0	$0	8.0210%	4.58%	$ -	$ -
200	INVP2391-Implement UI Planner-CAPEX	INVP2391-Implement UI Planner-CAPEX	2391	90000096140	YES	G138	$ 1,686,410	3/1/2011	84	$0	$0	$0	8.0210%	4.73%	$ -	$ -
201	Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	90000105793	NO	G272	$ 13,392	12/1/2010	4	$0	$0	$0	8.0210%	0.00%	$ -	$ -
202	GIS Project (Bankers Lease)	GIS Project (Bankers Lease)	N/A	90000105800	NO	G284	$ 44,404	12/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -
203	ACIS Project (Banker's lease)	ACIS Project (Banker's lease)	N/A	90000106051	NO	G259	$ 154,535	12/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -
204	ISP01-Integrated Strat Plan	ISP01-Integrated Strat Plan	ISP01	90000104122	YES	G198	$ 1,105,706	12/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
205	SHORT04-Prima P6 Upgrade	SHORT04-Prima P6 Upgrade	SHORT04	90000104121	YES	G198	$ 1,443,524	12/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
206	TGM (formerly Bankers Lease)	TGM (formerly Bankers Lease)	N/A	90000105795	YES	G220	$ 12,348	12/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -
207	IN1242D-ISP-Integrated Strat Plan	Capitalized Software	1242D	90000096320	YES	G198	$ 360,244	12/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
208	AIMMS Project - Bill Pool 233	AIMMS Project - Bill Pool 233	N/A	90000104238	YES	G220	$ 47,097	10/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
209	Cascade Phase I project 2 of 2	Cascade Phase I project 2 of 2 Bill Pool 231	N/A	90000102451	YES	G198	$ 588,773	10/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
210	IVR Project Work	IVR Project Work	N/A	90000104059	NO	C284	$ 1,193,074	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
211	IN1588-21st Cent. FOR SYRACUSE/NB	IN1588-21st Cent. FOR SYRACUSE/NB	1588	90000104113	YES	G012	$ 273,401	9/1/2010	84	$0	$0	$0	8.0210%	4.58%	$ 10	$ -
212	INVP 1401	INVP 1401	1401	90000104080	YES	G012	$ 527,701	9/1/2010	84	$0	$0	$0	8.0210%	4.58%	$ 20	$ -
213	WO for Capital Chgs-FFA	WO for Capital Chgs-FFA	N/A	90000104186	NO	G284	$ 7,411,737	9/1/2010	29	$0	$0	$0	8.0210%	0.00%	$ -	$ -
214	Bnk Lease W MA F Optic Proj	Bnk Lease W MA F Optic Proj	N/A	90000104185	NO	G284	$ 435,545	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
215	AIMMS Project - Bill Pool 231	AIMMS Project - Bill Pool 231	N/A	90000104193	YES	G198	$ 231,345	9/1/2010	6	$0	$0	$0	8.0210%	0.00%	$ -	$ -
216	CIS Consolidation	CIS Consolidation	N/A	90000104055	NO	C284	$ 28,900,771	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
217	Web Initiatives FY09 - Phase 1	Web Initiatives FY09 - Phase 1	N/A	90000096373	YES	G012	$ 2,010,464	9/1/2010	84	$0	$0	$0	8.0210%	4.58%	$ 75	$ -
218	INVP 0845	INVP 0845	845	90000104060	YES	G012	$ 464,135	9/1/2010	84	$0	$0	$0	8.0210%	4.58%	$ 17	$ -
219	TXFER00099	GAS SCADA Upgrade/Modernize	N/A	1TXFER00099	NO	G239	$ 2,987,041	9/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
220	OMS-Capital -Bill Pool 232	OMS-Capital -Bill Pool 232	N/A	90000104188	NO	G284	$ 1,059,216	9/1/2010	35	$0	$0	$0	8.0210%	0.00%	$ -	$ -
221	INN/A-NERC CIP Compliance	INN/A-NERC CIP Compliance	N/A	90000096381	YES	G186	$ 1,155,595	7/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
222	Cascade Phase I project 1 of 2	Cascade Phase I project 1 of 2 Bill Pool 233	N/A	90000102450	YES	G220	$ 392,515	7/1/2010	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
223	OneNet	OneNet	N/A	90000096379	YES	G012	$ 4,483,264	6/1/2010	84	$0	$0	$0	8.0210%	4.58%	$ 167	$ -
224	Contact Centers Call Recording	Contact Centers Call Recording	N/A	90000096385	YES	G012	$ 361,473	3/1/2010	84	$0	$0	$0	8.0210%	4.58%	$ 13	$ -
225	TXFER00099	BUS TRANS - WIRES & PIPES - CAPITAL	N/A	1TXFER00099	NO	G227	$ 178	3/1/2007	84	$0	$0	$0	8.0210%	0.00%	$ -	$ -
226	TXFER00099	HR BENEFITS	N/A	1TXFER00099	NO	N237	$ 5,405,642	7/1/1999	83.97	$0	$0	$0	8.0210%	0.00%	$ -	$ -
227	1TXFER00099	DATA WAREHOUSE	N/A	1TXFER00099	NO	G230	$ 2,328,852	7/1/1999	60	$0	$0	$0	8.0210%	0.00%	$ -	$ -
228	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$ 223,999	5/1/2016	84	$130,666	$98,666	$114,666	8.0210%	4.58%	$ 314	$ 1,466
229	INVP3853 NMPC C-Cure Conv to AMAG	INVP3614A2 IAM Ph3 Web Administration	3853	90000141742	YES	G020	$ 1,541,380	12/1/2016	84	$1,027,587	$807,389	$917,488	8.0210%	4.58%	$ 2,507	$ 10,085
230	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1	12/1/2016	84	$1	$0	$0	8.0210%	19.47%	$ 0	$ 0

Case 17-G-0239
Appendix 6
Schedule 17
Page 20 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2020

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY20 Total Spend	In Service Date	Amortization Period	4/1/2019 4/1/2019 Balance	3/31/2020 3/31/2020 Balance	Average Balance	8.0210% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
231	INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000170693	YES	G020	$ 93,939	12/1/2016	84	$62,626	$49,206	$55,916	8.0210%	4.58%	$ 153	$ 615
232	INVP 3896 SMI Conversion Mobilizati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	90000153520	YES	G020	$ 3,095,820	12/1/2016	84	$2,063,880	$1,621,620	$1,842,750	8.0210%	4.58%	$ 5,035	$ 20,256
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176043	YES	G012	$ 637,905	12/1/2016	120	$489,061	$425,270	$457,165	8.0210%	4.58%	$ 1,244	$ 2,922
234	INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	90000176039	YES	G012	$ 2,749,134	12/1/2016	120	$2,107,669	$1,832,756	$1,970,213	8.0210%	4.58%	$ 5,363	$ 12,591
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	90000172054	YES	G012	$ 1,858,401	12/1/2016	120	$1,424,774	$1,238,934	$1,331,854	8.0210%	4.58%	$ 3,625	$ 8,511
236	INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File_Email Transfer (Full) (Cyber Security)	3614	90000170691	YES	G020	$ 68,180	12/1/2016	84	$45,453	$35,713	$40,583	8.0210%	4.58%	$ 111	$ 446
237	INVP3614A1 IAM Ph2: Identity Adminis	INVP3614A1 IAM Ph2: Identity Administration (Cyber Security)	3614A	90000141707	YES	G020	$ 2,647,721	12/1/2016	84	$1,765,148	$1,386,902	$1,576,025	8.0210%	4.58%	$ 4,306	$ 17,324
238	INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	90000178452	YES	G012	$ 803,788	12/1/2016	120	$616,238	$535,859	$576,048	8.0210%	4.58%	$ 1,568	$ 3,681
239	INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP	90000176041	YES	G012	$ 723,292	12/1/2016	120	$554,524	$482,195	$518,359	8.0210%	4.58%	$ 1,411	$ 3,313
240	INVP 4218 - Blanket Work Order	INVP 4218 - Blanket Work Order	USFP	90000178859	YES	G012	$ 2,393,826	12/1/2016	120	$1,835,266	$1,595,884	$1,715,575	8.0210%	4.58%	$ 4,670	$ 10,964
241	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$ 1,480,189	12/1/2016	84	$986,792	$775,337	$881,065	8.0210%	19.47%	$ 10,234	$ 41,170
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176046	YES	G012	$ 426,099	12/1/2016	120	$326,676	$284,066	$305,371	8.0210%	4.58%	$ 831	$ 1,952
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176040	YES	G012	$ 1,250,841	12/1/2016	120	$958,978	$833,894	$896,436	8.0210%	4.58%	$ 2,440	$ 5,729
244	INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	90000170290	YES	G020	$ 306,947	12/1/2016	84	$204,631	$160,782	$182,706	8.0210%	4.58%	$ 499	$ 2,008
245	INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614	90000141754	YES	G020	$ 2,171,757	12/1/2016	84	$1,447,838	$1,137,587	$1,292,712	8.0210%	4.58%	$ 3,532	$ 14,209
246	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$ 16,772	12/1/2016	120	$12,858	$11,181	$12,020	8.0210%	4.58%	$ 33	$ 77
247	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$ (21,448)	12/1/2016	84	$0	$0	$0	8.0210%	4.58%	$ 32	$ -
		Total IS					$58,388,331			$289,363,251	$210,757,618	$250,060,434			$ 648,072	$ 3,241,568
														NIMO G	$ 3,889,640	

Case 17-G-0239
Appendix 6
Schedule 17
Page 21 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 4/1/2020 Balance	3/31/2021 3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
1	INVP 3564 Cust Choice ESCO Gas	INVP 3564 Customer Choice ESCO Gas Management	3564	90000134705	NO	C225	$ 14,409,951	10/1/2016	84	$7,204,976	$5,146,411	$6,175,693	7.9910%	0.00%	$ -	$ -
2	INVP 4172 - Cross Company Customer	INVP 4172 - Cross Company Customer System Enhancements	4172	90000164925	YES	C175	$13,889,170	9/1/2016	84	$6,779,238	$4,795,071	$5,787,154	7.9910%	8.65%	$ 30,048	$ 171,644
3	INVP 4102 - Capture Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	G207	$303,525	9/1/2016	84	$148,149	$104,788	$126,469	7.9910%	19.47%	$ 1,478	$ 8,442
4	INVP 4244 - US Control EBB Gas	INVP 4244 - US Control EBB Gas Trading Day Changes	4244	90000171826	YES	G210	$617,691	7/1/2016	84	$286,785	$198,544	$242,664	7.9910%	12.44%	$ 1,815	$ 10,977
5	INVP 3914 - Bill Print Facility	INVP 3194 - Bill Print Facility Relocation Support	3914	90000171355	YES	C175	$317,738	7/1/2016	84	$147,521	$102,130	$124,826	7.9910%	8.65%	$ 649	$ 3,927
6	INVP3629 Cascade System for Gas	INVP3629 Cascade System for Gas	3629	90000134426	YES	G210	$2,353,207	7/1/2016	84	$1,092,561	$756,388	$924,474	7.9910%	12.44%	$ 6,916	$ 41,820
7	INVP3853 NMPC C-Cure Conv to AMAG	INVP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000145855	YES	G113	$822,678	7/1/2016	84	$381,958	$264,432	$323,195	7.9910%	20.54%	$ 3,992	$ 24,140
8	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	($76,185)	6/1/2016	120	$0	$0	$0	7.9910%	4.58%	$ 114	$ -
9	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	($379,815)	6/1/2016	120	$0	$0	$0	7.9910%	4.58%	$ 570	$ -
10	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	($149,379)	6/1/2016	120	$0	$0	$0	7.9910%	4.58%	$ 224	$ -
11	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$413,864	5/1/2016	84	$182,297	$123,174	$152,735	7.9910%	4.58%	$ 422	$ 2,708
12	INVP3839 NY Retail Access	INVP3839 NY Retail Access Mandate	3839	90000141799	YES	G170	$2,330,372	5/1/2016	84	$1,026,474	$693,563	$860,018	7.9910%	10.92%	$ 5,660	$ 36,354
13	INVP2583 CRIS Migration	INVP 2583 CRIS Migration to CSS System	2583	90000137859	NO	C225	$0	5/1/2016	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
14	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$6,823,937	5/1/2016	84	$3,005,782	$2,030,934	$2,518,358	7.9910%	4.58%	$ 6,952	$ 44,648
15	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	($3,665,858)	5/1/2016	120	$0	$0	$0	7.9910%	4.58%	$ 5,498	$ -
16	INVP4024 Soft Off Program	INVP4024 Soft Off Program	4024	90000156429	YES	G207	$1,285,464	4/1/2016	84	$550,913	$367,275	$459,094	7.9910%	19.47%	$ 5,394	$ 35,754
17	INVP 3883 Mobile Device for PTO, Me	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	90000153451	YES	G175	$1,743,812	4/1/2016	84	$747,348	$498,232	$622,790	7.9910%	5.73%	$ 2,153	$ 14,274
18	IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software- INVP3136 NE Gas Leaks Rechecks	3136	90000124374	NO	G310	$1,326,238	3/1/2016	84	$552,599	$363,137	$457,868	7.9910%	0.00%	$ -	$ -
19	INVP 4133 - LI Stabilization	INVP 4133 - LI Stabilization	4133	90000163306	NO	5230G	$677,092	3/1/2016	84	$282,122	$185,394	$233,758	7.9910%	0.00%	$ -	$ -
20	INVP3492 CI Services Foundation	INVP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	$2,570,472	2/1/2016	84	$1,040,429	$673,219	$856,824	7.9910%	4.58%	$ 2,374	$ 16,818
21	INVP3600B US Web Initiatives 2	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	$4,153,761	2/1/2016	84	$1,681,284	$1,087,890	$1,384,587	7.9910%	5.73%	$ 4,800	$ 34,002
22	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$2,078	2/1/2016	120	$1,212	$1,004	$1,108	7.9910%	4.58%	$ 3	$ 10
23	INVP 3375D Challenge Limits Letters	INVP3375D- Challenge the Limits Letters	3375D	90000140579	YES	G113	$409,859	2/1/2016	84	$165,895	$107,344	$136,620	7.9910%	20.54%	$ 1,698	$ 12,026
24	INVP2495H US CNI Frame Relay Replac	INVP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	$6,532,674	2/1/2016	84	$2,644,178	$1,710,939	$2,177,558	7.9910%	12.44%	$ 16,390	$ 116,095
25	INVP 4074 - MA Gas 4 Hour Appt	INVP 4074 - MA Gas 4 Hour Appointment	4074	90000160455	NO	C310	$291,566	1/1/2016	84	$114,544	$72,892	$93,718	7.9910%	0.00%	$ -	$ -
26	INVP 3237 Street Light Outage Impro	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	$324,546	1/1/2016	84	$127,500	$81,137	$104,318	7.9910%	0.00%	$ -	$ -
27	INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade	4323	90000171825	YES	G020	$2,868,015	11/1/2016	84	$1,468,150	$1,058,434	$1,263,292	7.9910%	4.58%	$ 3,467	$ 18,765
28	INVP 1172 - AMAG Upgrades	Access Control & Alarm Monitoring System	1172	90000112731	YES	G020	$6,129,079	11/1/2016	84	$3,137,505	$2,261,922	$2,699,713	7.9910%	4.58%	$ 7,408	$ 40,102
29	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	$1,747,846	11/1/2016	84	$894,731	$645,039	$769,885	7.9910%	4.58%	$ 2,113	$ 11,436
30	INVP 4266 - End User Device Refresh	INVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	$294,858	11/1/2016	84	$150,939	$108,817	$129,878	7.9910%	4.58%	$ 356	$ 1,929
31	EHR1 - Payroll	EHR1 - Payroll	USFP	90000148062	YES	G012	$6,240,543	12/1/2015	84	$2,377,350	$1,485,844	$1,931,597	7.9910%	4.58%	$ 5,369	$ 40,831
32	EHR1 - Finance	EHR1 - Finance	USFP	90000148060	YES	G012	$10,024,521	12/1/2015	84	$3,818,865	$2,386,791	$3,102,828	7.9910%	4.58%	$ 8,625	$ 65,589
33	EHR1 - Supply Chain	EHR1 - Supply Chain	USFP	90000148059	YES	G012	$18,657,154	12/1/2015	84	$7,107,487	$4,442,179	$5,774,833	7.9910%	4.58%	$ 16,052	$ 122,071
34	EHR1 - IT Delivery	EHR1 - IT Delivery	USFP	90000148061	YES	G012	$2,568,884	12/1/2015	120	$1,455,701	$1,198,813	$1,327,257	7.9910%	4.58%	$ 3,626	$ 11,765
35	EHR1 - PMO	EHR1 - PMO	USFP	90000148055	YES	G012	$8,346,172	12/1/2015	84	$3,179,494	$1,987,184	$2,583,339	7.9910%	4.58%	$ 7,181	$ 54,608
36	EHR1 - BPS	EHR1 - BPS	USFP	90000148063	YES	G012	$14,956,768	12/1/2015	84	$5,697,816	$3,561,135	$4,629,476	7.9910%	4.58%	$ 12,869	$ 97,860
37	DMS/OMS Replacement	NONE	N/A	90000098917	YES	G198	$65,683,888	12/1/2015	84	$25,022,434	$15,639,021	$20,330,727	7.9910%	0.00%	$ -	$ -
38	INVP 3375B Challenge the Limits XML	INVP3375B- Challenge the Limits XML	3375B	90000140573	YES	G179	$616,276	12/1/2015	84	$234,772	$146,732	$190,752	7.9910%	9.55%	$ 1,106	$ 8,408
39	USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	G012	$12,524,547	10/1/2015	120	$6,888,501	$5,636,046	$6,262,274	7.9910%	4.58%	$ 17,122	$ 57,362
40	INVP2960C - GridForce SaaS Ph2	INVP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	G210	$0	9/1/2015	84	$0	$0	$0	7.9910%	12.44%	$ -	$ -
41	INVP2940-GRC Enterprise Risk & Comp	Capitalized Software	2940	90000109629	YES	G012	$3,552,013	8/1/2015	84	$1,184,004	$676,574	$930,289	7.9910%	4.58%	$ 2,606	$ 23,240
42	INVP2892B Security Access Panels	INVP2892B Security Access Panels NERC CIP Compliance	2892B	90000142290	YES	G432	$686,428	8/1/2015	84	$228,809	$130,748	$179,779	7.9910%	0.00%	$ -	$ -
43	IN 1043 NE EMS Replacement	Replacement for WO 90000097247 to properly book the WO under the correct Intangible CWIP and asset G/L accounts.	1043	90000157429	NO	U273	$29,309,502	7/1/2015	84	$9,420,911	$5,233,840	$7,327,375	7.9910%	0.00%	$ -	$ -
44	INVP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm	2970	90000133045	YES	G020	$1,752,601	4/1/2015	84	$500,743	$250,372	$375,557	7.9910%	4.58%	$ 1,064	$ 11,467
45	IN 3124B GLOBAL HR STRATEGY	IN 3124B GLOBAL HR STRATEGY	3124B	90000119765	YES	G020	$1,752,217	4/1/2015	84	$500,634	$250,317	$375,475	7.9910%	4.58%	$ 1,064	$ 11,465
46	INVP3615 Success Enterprise Reporti	Capitalized Software INVP 3615 Success Enterprise Mgmt	3615	90000134377	YES	G186	$623,254	3/1/2015	84	$170,653	$81,617	$126,135	7.9910%	0.00%	$ -	$ -
47	USFP-Testing -R1	NONE	USFP	90000107542	YES	G012	$0	3/1/2015	120	$0	$0	$0	7.9910%	4.58%	$ -	$ -
48	INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	$647,273	3/1/2015	84	$177,230	$84,762	$130,996	7.9910%	4.58%	$ 372	$ 4,235
49	INVP 1549B Meter Reading System Con	Capitalized Software- INVP 1549B Meter Reading	1549B	90000120707	YES	G175	$1,174,502	3/1/2015	84	$321,590	$153,804	$237,697	7.9910%	5.73%	$ 845	$ 9,614
50	INVP3022 Internet Toolset	INVP3022 Internet Toolset	3022	90000138893	YES	G175	$0	3/1/2015	84	$0	$0	$0	7.9910%	5.73%	$ -	$ -
51	INVP 3378 Rubber Goods Testing	INVP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	$396,375	3/1/2015	84	$108,531	$51,906	$80,219	7.9910%	0.00%	$ -	$ -
52	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	$782,169	3/1/2015	84	$214,165	$102,427	$158,296	7.9910%	4.58%	$ 450	$ 5,118
53	INVP0823c Laptop & Port Device Info	INVP0823c Laptop & Port Device Info	0823c	90000105318	YES	G012	$2,543,084	3/1/2015	84	$696,321	$333,023	$514,672	7.9910%	4.58%	$ 1,463	$ 16,639
54	INVP823D Guardium	INVP823D Guardium	823D	90000141134	YES	G012	$0	3/1/2015	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
55	INVP2960C GridForce SaaS Phase 2	INVP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	$3,254,217	3/1/2015	84	$891,036	$426,148	$658,592	7.9910%	12.44%	$ 5,086	$ 57,832
56	INVP 3600 - US Web Initiatives	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	$1,380,415	3/1/2015	84	$377,971	$180,769	$279,370	7.9910%	8.65%	$ 1,500	$ 17,059
57	INVP 3039 US eDiscovery	Capitalized Software- INVP 3039 EDiscovery	3039	90000118116	YES	G012	$393,008	3/1/2015	84	$107,609	$51,465	$79,537	7.9910%	4.58%	$ 226	$ 2,571
58	INVP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	G012	$244,374	3/1/2015	84	$66,912	$32,001	$49,457	7.9910%	4.58%	$ 141	$ 1,599
59	INVP 2982b Identity & Access Mgt Pr	INVP 2982b Identity & Access Mgt Pr	2982b	90000113826	YES	G012	$3,576,972	3/1/2015	84	$979,409	$468,413	$723,911	7.9910%	4.58%	$ 2,058	$ 23,404
60	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$1	2/1/2015	84	$0	$0	$0	7.9910%	4.58%	$ 0	$ 0
61	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$7,489,757	2/1/2015	120	$3,620,049	$2,871,074	$3,245,561	7.9910%	4.58%	$ 11,878	$ 34,303
62	USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery	USFP	90000142344	YES	G012	$9,575,835	1/1/2015	120	$4,548,522	$3,590,938	$4,069,730	7.9910%	4.58%	$ 11,180	$ 43,857
63	USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	$9,814,175	1/1/2015	120	$4,661,733	$3,680,315	$4,171,024	7.9910%	4.58%	$ 11,459	$ 44,949
64	INVP 2577 GIS Consol Ph 2	INVP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	$2,882,206	1/1/2015	84	$720,552	$308,808	$514,680	7.9910%	12.44%	$ 4,009	$ 51,221
65	INVP 2983a CNI Network Security Pro	Capitalized Software	2983a	90000113827	YES	G012	$115,489	12/1/2014	84	$27,497	$10,999	$19,248	7.9910%	4.58%	$ 55	$ 756
66	Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	NO	G284	$186,308	10/1/2014	84	$39,923	$13,308	$26,615	7.9910%	0.00%	$ -	$ -
67	New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	N/A	90000100684	NO	G284	$88,951	10/1/2014	84	$19,061	$6,354	$12,707	7.9910%	0.00%	$ -	$ -
68	INVP 1643B - NY Commodity Rates	INVP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	$18,216	10/1/2014	84	$3,903	$1,301	$2,602	7.9910%	20.54%	$ 34	$ 534
69	IN 1642--Radio Standardization Cons	IN 1642--Radio Standardization Cons Capitalized Software	1642	90000099327	YES	G012	$130,644	10/1/2014	84	$27,995	$9,332	$18,663	7.9910%	4.58%	$ 54	$ 855
70	IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	NO	C225	$66,932	8/1/2014	84	$12,749	$3,187	$7,968	7.9910%	0.00%	$ -	$ -
71	INVP 2162 - PRIMAVERA EXPANSION	INVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376	$228,928	7/1/2014	84	$40,880	$8,176	$24,528	7.9910%	6.09%	$ 98	$ 1,992
72	INVP1485 Computapole Migration W7	INVP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	$874,103	7/1/2014	84	$156,090	$31,218	$93,654	7.9910%	0.00%	$ -	$ -
73	1642 - Radio Standardization Cons	IN 1642--Radio Standardization Cons - Capitalized Software	1642	90000099326	YES	G012	$3,046,691	7/1/2014	84	$544,052	$108,810	$326,431	7.9910%	4.58%	$ 981	$ 19,934
74	INVP2997B EVM Phase 2	INVP2997B Earned Value Management Phase 2 - Capitalized Software	2997B	90000134297	YES	G186	$138,248	7/1/2014	84	$24,687	$4,937	$14,812	7.9910%	0.00%	$ -	$ -
75	IN 1182 GAS TRANSPORT SYS (GTIS)	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	$1,780,960	7/1/2014	84	$318,029	$63,606	$190,817	7.9910%	0.00%	$ -	$ -

Case 17-G-0239
Appendix 6
Schedule 17
Page 22 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 4/1/2020 Balance	3/31/2021 3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
76	INVP 2997 Earned Value Mgmt Rptg	INVP 2997 Earned Value Mgmt Rptg - Capitalized Software	2997	90000120197	YES	G186	$603,575	7/1/2014	84	$107,781	$21,556	$64,669	7.9910%	0.00%	$ -	$ -
77	INVP3374 SmallWorld GIS FY13 R 1-2	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	90000120127	YES	G198	$309,785	7/1/2014	84	$55,319	$11,064	$33,191	7.9910%	0.00%	$ -	$ -
78	IN N/A NE & NY EMS NERC-CIP Auth MW	IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	$64,286	3/1/2014	84	$8,418	$0	$4,209	7.9910%	0.00%	$ -	$ -
79	INVP 0887	Capitalized Software	887	90000104061	YES	G077	$258,131	3/1/2014	84	$33,803	$0	$16,901	7.9910%	7.38%	$ 88	$ 2,495
80	INVP 1242 - WCOR01	INVP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198	$3,750	3/1/2014	84	$491	$0	$246	7.9910%	0.00%	$ -	$ -
81	Meter Route Consol	INVP 1182B Gas Transportation System Meter Route Consol	1182B	90000124368	NO	G227	$410,384	3/1/2014	84	$53,741	$0	$26,870	7.9910%	0.00%	$ -	$ -
82	INVP N/A- NE EMS TSS	INVP N/A NE EMS TSS Capitalized Software	N/A	90000104968	NO	G272	$255,055	3/1/2014	84	$33,400	$0	$16,700	7.9910%	0.00%	$ -	$ -
83	IN1182BGAS TRANS SYS PHASE 2 (GTIS)	Capitalized Software- IN1182BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237	$1,675,640	3/1/2014	84	$219,429	$0	$109,715	7.9910%	0.00%	$ -	$ -
84	GAS Transformation	GAS Transformation	N/A	90000096386	YES	G012	$114,360	3/1/2014	84	$14,976	$0	$7,488	7.9910%	4.58%	$ 24	$ 686
85	INVP 2981 US Security Awareness	INVP 2981 US Security Awareness Cap Software	2981	90000117533	YES	G012	$250,393	3/1/2014	84	$32,790	$0	$16,395	7.9910%	4.58%	$ 53	$ 1,502
86	INVP 3393 Ehancement of Reservior W	INVP 3393 Ehancement of Reservior Woods Capitalized Software	3393	90000122634	YES	J063	$101,136	2/1/2014	84	$12,040	$0	$6,020	7.9910%	2.55%	$ 11	$ 307
87	Inspect System Resources/Hard/Softw	Capitalized Software	N/A	90000104057	YES	G160	$26,246	2/1/2014	84	$3,125	$0	$1,562	7.9910%	7.15%	$ 8	$ 223
88	INVP 3294 - PowerPlant Leased Asset	Capitalized Software	3294	90000117978	YES	G012	$969,208	2/1/2014	84	$115,382	$0	$57,691	7.9910%	4.58%	$ 189	$ 5,284
89	STD01-Concept Est Tool	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104104	YES	G198	$873,898	2/1/2014	84	$104,035	$0	$52,018	7.9910%	0.00%	$ -	$ -
90	CM-NEW02-Simp Order Proc	Capitalized Software	NEW02	90000104149	YES	G198	$7,803	2/1/2014	84	$929	$0	$464	7.9910%	0.00%	$ -	$ -
91	INVP 3103 Business Capture Software	INVP 3103 IRISE Capitalized Software	3103	90000106874	YES	G012	$3,036,545	2/1/2014	84	$361,493	$0	$180,747	7.9910%	4.58%	$ 593	$ 16,556
92	WCLS13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198	$20,566	2/1/2014	84	$2,448	$0	$1,224	7.9910%	0.00%	$ -	$ -
93	INVP 3195 Storms Archive Tool Imple	INVP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160	$627,573	12/1/2013	84	$59,769	$0	$29,884	7.9910%	7.15%	$ 160	$ 4,273
94	INVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	90000107276	YES	G012	$1,023,605	11/1/2013	84	$85,300	$0	$42,650	7.9910%	4.58%	$ 151	$ 3,907
95	INVP 3232A - Tallyman & Paperless B	Capitalized Software	3232A	90000116954	YES	G179	$953,115	11/1/2013	84	$79,426	$0	$39,713	7.9910%	9.55%	$ 294	$ 7,585
96	INVP 1643C - NIMO EL TOU + Deposits	Capitalized Software	1643C	90000116900	YES	G179	$606,020	11/1/2013	84	$50,502	$0	$25,251	7.9910%	9.55%	$ -	$ 4,823
97	INVP 3307 iFactor Storm Center Host	Capitalized Software	3307	90000119141	YES	G012	$668,684	11/1/2013	84	$55,724	$0	$27,862	7.9910%	4.58%	$ 99	$ 2,552
98	INVP1549-Non-Interval Collect Sys C	Capitalized Software	1549	90000107743	YES	G012	$1,099,783	11/1/2013	84	$91,649	$0	$45,824	7.9910%	4.58%	$ 163	$ 4,198
99	INVP 1356A US Retail Web Customer &	INVP 1356A US Retail Web Customer & Markets	1356A	90000100058	YES	G179	$6,726,634	11/1/2013	84	$560,553	$0	$280,276	7.9910%	9.55%	$ 2,074	$ 53,533
100	INVP 2732 US Storage Switch Replace	Capitalized Software	2732	90000104631	YES	G012	$588,353	11/1/2013	84	$49,029	$0	$24,515	7.9910%	4.58%	$ 87	$ 2,246
101	EDOT-Customer Management-CM-NEW03	Capitalized Software	NEW03	90000093776	YES	G198	$208,231	11/1/2013	84	$17,353	$0	$8,676	7.9910%	0.00%	$ -	$ -
102	INVP 1389 US Computing Minor Works	Capitalized Software	1389	90000104257	YES	G012	$267,594	11/1/2013	84	$22,299	$0	$11,150	7.9910%	4.58%	$ 40	$ 1,021
103	INVP 2832 - ACIS Alliance Contracts	Capitalized Software	2832	90000112827	YES	G186	$324,412	11/1/2013	84	$27,034	$0	$13,517	7.9910%	0.00%	$ -	$ -
104	IN 2172-IDS Reporting & Analysis	Capitalized Software	2172	90000106487	YES	G198	$710,520	11/1/2013	84	$59,210	$0	$29,605	7.9910%	0.00%	$ -	$ -
105	Global Web Implementation	Capitalized Software	N/A	90000095326	YES	G012	$4,281,380	11/1/2013	84	$356,782	$0	$178,391	7.9910%	4.58%	$ 633	$ 16,341
106	INVP 3076-QAS Address Hygiene	Capitalized Software	3076	90000109487	YES	G012	$270,279	11/1/2013	84	$22,523	$0	$11,262	7.9910%	4.58%	$ 40	$ 1,032
107	INVP 3210 - Infographics Conversion	Capitalized Software	3210	90000116474	NO	G259	$1,327,228	11/1/2013	84	$110,602	$0	$55,301	7.9910%	0.00%	$ -	$ -
108	INVP2135-Cust Choice Email Tracking	Capitalized Software	2135	90000113005	YES	G012	$621,113	11/1/2013	84	$51,759	$0	$25,880	7.9910%	4.58%	$ 92	$ 2,371
109	IN 2522 VTL REPLACEMENT US	INVP2522 VTL Replacement Cap Software	2522	90000104630	YES	HT71	$648,194	11/1/2013	84	$54,016	$0	$27,008	7.9910%	6.16%	$ 129	$ 3,327
110	IN2960B CRM SAAS IMPLEMEN	Software-INVP 2960B CRM Salesforce SaaS	2960B	90000119937	YES	G175	$1,117,121	10/1/2013	84	$79,794	$0	$39,897	7.9910%	5.73%	$ 185	$ 4,572
111	INVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	90000118115	YES	G012	$326,615	10/1/2013	84	$23,330	$0	$11,665	7.9910%	4.58%	$ 43	$ 1,068
112	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	($2,545,646)	4/1/2013	120	$0	$0	$0	7.9910%	4.58%	$ 3,818	$ -
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	($284,633)	4/1/2013	120	$0	$0	$0	7.9910%	4.58%	$ 427	$ -
114	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	($2,195,181)	4/1/2013	120	$0	$0	$0	7.9910%	4.58%	$ 3,292	$ -
115	USFP - Business Engagement-DD	NONE	USFP	90000104655	YES	G012	$2,195,181	11/1/2012	120	$567,089	$347,570	$457,329	7.9910%	4.58%	$ 1,298	$ 10,054
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	USFP	90000097843	YES	G012	$284,633	11/1/2012	120	$73,530	$45,067	$59,299	7.9910%	4.58%	$ 168	$ 1,304
117	USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012	$2,545,646	11/1/2012	120	$657,625	$403,061	$530,343	7.9910%	4.58%	$ 1,505	$ 11,659
118	USFP-PMO - R1	Capitalized Software-USFP-PMO - R1	USFP	90000107539	YES	G012	$13,294,040	11/1/2012	120	$3,434,294	$2,104,890	$2,769,592	7.9910%	4.58%	$ 7,860	$ 60,887
119	USFP-Process & Design -R1	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	$7,564,718	11/1/2012	120	$1,954,219	$1,197,747	$1,575,983	7.9910%	4.58%	$ 4,472	$ 34,646
120	USFP - Hardware & Software-DD	USFP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012	$2,770,640	11/1/2012	120	$715,749	$438,685	$577,217	7.9910%	4.58%	$ 1,638	$ 12,690
121	USFP - Solution Architecture-DD	USFP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012	$2,908,470	11/1/2012	120	$751,355	$460,508	$605,931	7.9910%	4.58%	$ 1,720	$ 13,321
122	USFP - PMO-DD	USFP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012	$4,761,712	11/1/2012	120	$1,230,109	$753,938	$992,023	7.9910%	4.58%	$ 2,815	$ 21,809
123	USFP-Business Engagement -R1	Capitalized Software-USFP-Business Engagement -R1	USFP	90000107549	YES	G012	$154,570	11/1/2012	120	$39,931	$24,474	$32,202	7.9910%	4.58%	$ 91	$ 708
124	HR STREAM - DESIGN CAPEX	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	$826,202	11/1/2012	120	$213,436	$130,815	$172,125	7.9910%	4.58%	$ 488	$ 3,784
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012	$1,708,792	11/1/2012	120	$441,438	$270,559	$355,998	7.9910%	4.58%	$ 1,010	$ 7,826
126	USFP - Testing-DD	USFP - Testing-DD - Capitalized Software	USFP	90000104648	YES	G012	$209,496	11/1/2012	120	$54,120	$33,170	$43,645	7.9910%	4.58%	$ 124	$ 959
127	USFP Test Net Strat	Capitalized Software- USFP Test Net Strat	USFP	90000117362	YES	G012	$1,305,452	11/1/2012	120	$337,242	$206,697	$271,969	7.9910%	4.58%	$ 772	$ 5,979
128	USFP Test Ops	Capitalized Software- USFP Test Ops	USFP	90000117358	YES	G012	$4,359,638	11/1/2012	120	$1,126,240	$690,276	$908,258	7.9910%	4.58%	$ 2,577	$ 19,967
129	USFP-Cutover -R1	Capitalized Software- USFP-Cutover -R1	USFP	90000107547	YES	G012	$2,728,737	11/1/2012	120	$704,924	$432,050	$568,487	7.9910%	4.58%	$ 1,613	$ 12,498
130	USFP-Reporting & Info - R1	Capitalized Software-USFP-Reporting & Info - R1	USFP	90000107544	YES	G012	$6,197,728	11/1/2012	120	$1,601,080	$981,307	$1,291,193	7.9910%	4.58%	$ 3,664	$ 28,386
131	US Pre-BLUEPRINT STRATEGY PLAN	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	$6,530,003	11/1/2012	120	$1,686,917	$1,033,917	$1,360,417	7.9910%	4.58%	$ 3,861	$ 29,907
132	USFP-Hardware & Software-R1	Capitalized Software- USFP-Hardware & Software-R1	USFP	90000107551	YES	G012	$23,426,143	11/1/2012	120	$6,051,754	$3,709,139	$4,880,447	7.9910%	4.58%	$ 13,850	$ 107,292
133	USFP Test Finance	USFP Test Finance Capitalized Software	USFP	90000117364	YES	G012	$3,910,865	11/1/2012	120	$1,010,307	$619,220	$814,764	7.9910%	4.58%	$ 2,312	$ 17,912
134	USFP - Process & Design-DD	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	YES	G012	$17,463,817	11/1/2012	120	$4,511,486	$2,765,104	$3,638,295	7.9910%	4.58%	$ 10,325	$ 79,984
135	S/CHAIN STREAM - DESIGN CAPEX	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	$1,038,127	11/1/2012	120	$268,183	$164,370	$216,276	7.9910%	4.58%	$ 614	$ 4,755
136	US FOUNDATION PRGM ARCH/DECOM	Capitalized Software- US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012	$1,242,446	11/1/2012	120	$320,965	$196,721	$258,843	7.9910%	4.58%	$ 735	$ 5,690
137	USFP-Solution Architecture-R1	Capitalized Software- USFP-Solution Architecture-R1	USFP	90000107550	YES	G012	$2,536,861	11/1/2012	120	$655,356	$401,670	$528,513	7.9910%	4.58%	$ 1,500	$ 11,619
138	USFP - Data Strategy-DD	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012	$2,531,924	11/1/2012	120	$654,080	$400,888	$527,484	7.9910%	4.58%	$ 1,497	$ 11,596
139	PROCESS CONTROL - DESIGN CAPEX	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	$138,806	11/1/2012	120	$35,858	$21,978	$28,918	7.9910%	4.58%	$ 82	$ 636
140	INFORMATION MGMT - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	YES	G012	$346,941	11/1/2012	120	$89,626	$54,932	$72,279	7.9910%	4.58%	$ 205	$ 1,589
141	PROCESS & DATA - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012	$271,405	11/1/2012	120	$70,113	$42,973	$56,543	7.9910%	4.58%	$ 160	$ 1,243
142	USFP-Build & Unit Test -R1	Capitalized Software-USFP-Build & Unit Test -R1	USFP	90000107541	YES	G012	$26,765,794	11/1/2012	120	$6,914,497	$4,237,917	$5,576,207	7.9910%	4.58%	$ 15,824	$ 122,587
143	USFP-Business Readiness -R1	Capitalized Software- USFP-Business Readiness -R1	USFP	90000107548	YES	G012	$2,020,438	11/1/2012	120	$521,947	$319,903	$420,925	7.9910%	4.58%	$ 1,195	$ 9,254
144	USFP-Data Strategy - R1	Capitalized Software- USFP-Data Strategy - R1	USFP	90000107543	YES	G012	$7,738,324	11/1/2012	120	$1,999,067	$1,225,235	$1,612,151	7.9910%	4.58%	$ 4,575	$ 35,442
145	USFP Test SS	Capitalized Software-USFP Test SS	USFP	90000117367	YES	G012	$46,113,703	11/1/2012	120	$11,912,707	$7,301,336	$9,607,022	7.9910%	4.58%	$ 27,263	$ 211,201
146	USFP-Testing -R1	Capitalized Software- USFP-Testing -R1	USFP	90000107542	YES	G012	$61,366,885	11/1/2012	120	$15,853,112	$9,716,423	$12,784,768	7.9910%	4.58%	$ 36,281	$ 281,060
147	USFP-Tech Delivery - R1	Capitalized Software- USFP-Tech Delivery - R1	USFP	90000107545	YES	G012	$4,595,067	11/1/2012	120	$1,187,059	$727,552	$957,306	7.9910%	4.58%	$ 2,717	$ 21,045
148	USFP - Reporting & Info-DD	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104650	YES	G012	$2,503,961	11/1/2012	120	$646,857	$396,460	$521,659	7.9910%	4.58%	$ 1,480	$ 11,468
149	SOLUTION DEL - DESIGN CAPEX	SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000097840	YES	G012	$906,402	11/1/2012	120	$234,154	$143,514	$188,834	7.9910%	4.58%	$ 536	$ 4,151
150	SOLUTION ARCH - DESIGN CAPEX	SOLUTION ARCH - DESIGN CAPEX - Capitalized Software	USFP	90000097839	YES	G012	$199,928	11/1/2012	120	$51,648	$31,655	$41,652	7.9910%	4.58%	$ 118	$ 916

Case 17-G-0239
Appendix 6
Schedule 17
Page 23 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 4/1/2020 Balance	3/31/2021 3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
151	FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097838	YES	G012	$1,441,354	11/1/2012	120	$372,350	$228,214	$300,282	7.9910%	4.58%	$ 852	$ 6,601
152	USFP - Controls & Roles-DD	USFP - Controls & Roles-DD - Capitalized Software	USFP	90000104652	YES	G012	$2,694,151	11/1/2012	120	$695,989	$426,574	$561,281	7.9910%	4.58%	$ 1,593	$ 12,339
153	USFP - Build & Unit Test-DD	USFP - Build & Unit Test-DD - Capitalized Software	USFP	90000104647	YES	G012	$2,783,413	11/1/2012	120	$719,048	$440,707	$579,878	7.9910%	4.58%	$ 1,646	$ 12,748
154	USFP-Controls & Roles -R1	Capitalized Software- USFP-Controls & Roles -R1	USFP	90000107546	YES	G012	$7,773,544	11/1/2012	120	$2,008,165	$1,230,811	$1,619,488	7.9910%	4.58%	$ 4,596	$ 35,603
155	USFP Test Procure	USFP Test Procure Capitalized Software	USFP	90000117369	YES	G012	$311,956	11/1/2012	120	$80,589	$49,393	$64,991	7.9910%	4.58%	$ 184	$ 1,429
156	USFP Test HR	USFP Test HR Capitalized Software	USFP	90000117366	YES	G012	$9,899	11/1/2012	120	$2,557	$1,567	$2,062	7.9910%	4.58%	$ 6	$ 45
157	USFP - Cutover-DD	USFP - Cutover-DD - Capitalized Software	USFP	90000104653	YES	G012	$118,108	11/1/2012	120	$30,511	$18,700	$24,606	7.9910%	4.58%	$ 70	$ 541
158	DESIGN AUTH - DESIGN CAPEX	DESIGN AUTH - DESIGN CAPEX - Capitalized Software	USFP	90000097842	YES	G012	$318,531	11/1/2012	120	$82,287	$50,434	$66,361	7.9910%	4.58%	$ 188	$ 1,459
159	PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software	USFP	90000097837	YES	G012	$5,995,338	11/1/2012	120	$1,548,796	$949,262	$1,249,029	7.9910%	4.58%	$ 3,545	$ 27,459
160	TXFER00099	FDC Enhancement (work order #8K008002108)	N/A	1TXFER00099	NO	C310	$2,245,499	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
161	IN 2330 ETRM Repl Nucleus-Elec Bene	Cap Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	90000106247	YES	G198	$579,164	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
162	IN 2330 ETRM Repl Nucleus-Gas Benef	IN 2330 ETRM Repl Nucleus-Gas Benef	2330	90000106246	YES	G210	$6,005,256	10/1/2012	84	$0	$0	$0	7.9910%	12.44%	$ 604	$ -
163	TXFER00099	IN 2992 MA GAS SINGLE BILL (Work order #8K008002315)	2992	1TXFER00099	NO	C310	$754,588	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
164	TXFER00099	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	2652	1TXFER00099	NO	C310	$427,462	10/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
165	IN1488-Remote Access to Fault REC	Capitalized Software	1488	90000104110	YES	G220	$247,958	9/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
166	KPI Reporting Tool	KPI Reporting Tool	N/A	90000103772	YES	G012	$1,184,110	8/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 44	$ -
167	IN1656-CUST.Systems Agent desktop	IN1656-CUST.Systems Agent desktop	1656	90000104112	NO	C225	$10,436,678	8/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
168	IN1671-US Transaction DEL HUB	IN1671-US Transaction DEL HUB	1671	90000104114	YES	G012	$526,002	8/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 19	$ -
169	TXFER00099 (GTIS)	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	1TXFER00099	NO	C225	$3,866,615	6/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
170	IN 1482--ACIS Target Pricing Model	Capitalized Software	1482	90000099166	YES	G198	$569,716	6/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
171	INVP 0953 - Bill Pool 231	Smallworld GIS/PowerOn 4.0 upgrade	953	90000104088	YES	G198	$4,345,552	6/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
172	Desktop (email, AD & SharePoint)	Desktop (email, AD & SharePoint)	N/A	90000096388	YES	G012	$1,258,446	3/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 47	$ -
173	TXFER00099	IN1259B Contact Ctr Consol (work order #8K008002213)	1259B	1TXFER00099	NO	C310	$718,478	3/1/2012	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
174	Desktop (refresh)	Desktop (refresh)	N/A	90000096380	YES	G012	$950,271	3/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 35	$ -
175	Data Center Rationalization	Data Center Rationalization	N/A	90000096387	YES	G012	$793,491	3/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 29	$ -
176	CDH Acct Initiation	CDH Acct Initiation	N/A	90000096389	YES	G012	$516,140	3/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 19	$ -
177	IN 0980E - FiServ Solutions	IN 0980E - FiServ Solutions	0980E	90000098664	YES	G179	$453,167	3/1/2012	84	$0	$0	$0	7.9910%	9.55%	$ 35	$ -
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	N/A	90000095332	YES	G012	$1,617,868	2/1/2012	84	$0	$0	$0	7.9910%	4.58%	$ 60	$ -
179	Cascade Phase II project 2 of 2	Cascade Phase II project 2 of 2	N/A	90000116202	YES	G220	$1,051,038	12/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
180	Cascade Phase II project 1 of 2	Cascade Phase II project 1 of 2	N/A	90000116201	YES	G198	$1,576,557	12/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
181	UHF Spectrum Purchase Project	UHF Spectrum Purchase Project	N/A	90000104189	NO	G284	$2,116,624	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
182	INVP 1242TB - KPI Metrics	INVP 1242TB - KPI Metrics	1242TB	90000104180	YES	G198	$622,592	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
183	Video Conferencing	Video Conferencing	N/A	90000096376	YES	G012	$1,207,479	10/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
184	JBCRD01I-Wholesale Re-Des	JBCRD01I-Wholesale Re-Des	N/A	90000104116	YES	G198	$436,385	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
185	INVP 1242 - DECUS05	INVP 1242 - DECUS05	1242	90000104179	YES	G198	$253,998	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
186	INVP 1224	INVP 1224	1224	90000104101	YES	G220	$601,562	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
187	DECUS05-Autom for Mng Req	DECUS05-Autom for Mng Req	DECUS05	90000104123	YES	G198	$1,914,655	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
188	WCOR09 - AVLS Integration	WCOR09 - AVLS Integration	WCOR09	90000104151	YES	G198	$313,523	10/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
189	INVP 1391	INVP 1391	1391	90000104068	YES	G077	$523,093	9/1/2011	84	$0	$0	$0	7.9910%	7.38%	$ -	$ -
190	IN0823 Security Enhance Project	IN0823 Security Enhance Project	823	90000096383	YES	G012	$313,244	9/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
191	NY NE IVR Replacement(NIMO)	NY NE IVR Replacement(NIMO)	N/A	90000112170	YES	G750	$1,058,009	7/1/2011	84	$0	$0	$0	7.9910%	17.00%	$ -	$ -
192	NE_NY IVR Replacement-Phase II(NIMO	NE_NY IVR Replacement-Phase II(NIMO	N/A	90000112171	YES	G750	$1,489,236	7/1/2011	84	$0	$0	$0	7.9910%	17.00%	$ -	$ -
193	Combine Meter Reading Routes	Combine Meter Reading Routes	N/A	90000104231	NO	G285	$364,462	5/1/2011	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
194	IN0309-SCM-ENGAGE VENDOR	IN0309-SCM-ENGAGE VENDOR	309	90000104115	YES	G012	$312,721	3/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
195	INVP N/A-Talent Management	INVP N/A-Talent Management	N/A	90000104109	YES	G012	$208,232	3/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
196	LIM/ZEMA Project	LIM/ZEMA Project	N/A	90000097857	YES	G012	$402,988	3/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
197	FFA (NIMO)	FFA (NIMO)	N/A	90000108449	YES	G750	$7,548,509	3/1/2011	29	$0	$0	$0	7.9910%	17.00%	$ -	$ -
198	S&M Data Warehouse Expansion	S&M Data Warehouse Expansion	N/A	90000096374	YES	G012	$981,583	3/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
199	Plan & Perf for Exec & US Dir	Plan & Perf for Exec & US Dir	USFP	90000096375	YES	G012	$294,053	3/1/2011	84	$0	$0	$0	7.9910%	4.58%	$ -	$ -
200	INVP2391-Implement UI Planner-CAPEX	INVP2391-Implement UI Planner-CAPEX	2391	90000096140	YES	G138	$1,686,410	3/1/2011	84	$0	$0	$0	7.9910%	4.73%	$ -	$ -
201	Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	90000105793	NO	G272	$13,392	12/1/2010	4	$0	$0	$0	7.9910%	0.00%	$ -	$ -
202	GIS Project (Bankers Lease)	GIS Project (Bankers Lease)	N/A	90000105800	NO	G284	$44,404	12/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -
203	ACIS Project (Banker's lease)	ACIS Project (Banker's lease)	N/A	90000106051	NO	G259	$154,535	12/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -
204	ISP01-Integrated Strat Plan	ISP01-Integrated Strat Plan	ISP01	90000104122	YES	G198	$1,105,706	12/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
205	SHORT04-Prima P6 Upgrade	SHORT04-Prima P6 Upgrade	SHORT04	90000104121	YES	G198	$1,443,524	12/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
206	TGM (formerly Bankers Lease)	TGM (formerly Bankers Lease)	N/A	90000105795	YES	G220	$12,348	12/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -
207	IN1242D-ISP-Integrated Strat Plan	Capitalized Software	1242D	90000096320	YES	G198	$360,244	12/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
208	AIMMS Project - Bill Pool 233	AIMMS Project - Bill Pool 233	N/A	90000104238	YES	G220	$47,097	10/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
209	Cascade Phase I project 2 of 2	Cascade Phase I project 2 of 2 Bill Pool 231	N/A	90000102451	YES	G198	$588,773	10/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
210	IVR Project Work	IVR Project Work	N/A	90000104059	NO	C284	$1,193,074	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
211	IN1588-21st Cent. FOR SYRACUSE/NB	IN1588-21st Cent. FOR SYRACUSE/NB	1588	90000104113	YES	G012	$273,401	9/1/2010	84	$0	$0	$0	7.9910%	4.58%	$ 10	$ -
212	INVP 1401	INVP 1401	1401	90000104080	YES	G012	$527,701	9/1/2010	84	$0	$0	$0	7.9910%	4.58%	$ 20	$ -
213	WO for Capital Chgs-FFA	WO for Capital Chgs-FFA	N/A	90000104186	NO	G284	$7,411,737	9/1/2010	29	$0	$0	$0	7.9910%	0.00%	$ -	$ -
214	Bnk Lease W M A F Optic Proj	Bnk Lease W M A F Optic Proj	N/A	90000104185	NO	G284	$435,545	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
215	AIMMS Project - Bill Pool 231	AIMMS Project - Bill Pool 231	N/A	90000104193	YES	G198	$231,345	9/1/2010	6	$0	$0	$0	7.9910%	0.00%	$ -	$ -
216	CIS Consolidation	CIS Consolidation	N/A	90000104055	NO	C284	$28,900,771	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
217	Web Initiatives FY09 - Phase 1	Web Initiatives FY09 - Phase 1	N/A	90000096373	YES	G012	$2,010,464	9/1/2010	84	$0	$0	$0	7.9910%	4.58%	$ 74	$ -
218	INVP 0845	INVP 0845	845	90000104060	YES	G012	$464,135	9/1/2010	84	$0	$0	$0	7.9910%	4.58%	$ 17	$ -
219	TXFER00099	GAS SCADA Upgrade/Modernize	N/A	1TXFER00099	NO	G239	$2,987,041	9/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
220	OMS-Capital - Bill Pool 232	OMS-Capital - Bill Pool 232	N/A	90000104188	NO	G284	$1,059,216	9/1/2010	35	$0	$0	$0	7.9910%	0.00%	$ -	$ -
221	INN/A-NERC CIP Compliance	INN/A-NERC CIP Compliance	N/A	90000096381	YES	G186	$1,155,595	7/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
222	Cascade Phase I project 1 of 2	Cascade Phase I project 1 of 2 Bill Pool 233	N/A	90000102450	YES	G220	$392,515	7/1/2010	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
223	OneNet	OneNet	N/A	90000096379	YES	G012	$4,483,264	6/1/2010	84	$0	$0	$0	7.9910%	4.58%	$ 166	$ -
224	Contact Centers Call Recording	Contact Centers Call Recording	N/A	90000096385	YES	G012	$361,473	3/1/2010	84	$0	$0	$0	7.9910%	4.58%	$ 13	$ -
225	TXFER00099	BUS TRANS - WIRES & PIPES - CAPITAL	N/A	1TXFER00099	NO	G227	$178	3/1/2007	84	$0	$0	$0	7.9910%	0.00%	$ -	$ -
226	TXFER00099	HR BENEFITS	N/A	1TXFER00099	NO	N237	$5,405,642	7/1/1999	83.97	$0	$0	$0	7.9910%	0.00%	$ -	$ -
227	1TXFER00099	DATA WAREHOUSE	N/A	1TXFER00099	NO	G230	$2,328,852	7/1/1999	60	$0	$0	$0	7.9910%	0.00%	$ -	$ -
228	INVP 2927 US Desktop Refresh	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	$223,999	5/1/2016	84	$98,666	$66,666	$82,666	7.9910%	4.58%	$ 228	$ 1,466
229	INVP3853 NMPC C-Cure Conv to AMAG	INVP3614A2 IAM Ph3 Web Administration	3853	90000141742	YES	G020	$1,541,380	12/1/2016	84	$807,389	$587,192	$697,291	7.9910%	4.58%	$ 1,912	$ 10,085
230	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$1	12/1/2016	84	$0	$0	$0	7.9910%	19.47%	$ 0	$ 0

Case 17-G-0239
Appendix 6
Schedule 17
Page 24 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Rents
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 4/1/2020 Balance	3/31/2021 3/31/2021 Balance	Average Balance	7.9910% Service Co Return	5210G NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn
231	INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000170693	YES	G020	$93,939	12/1/2016	84	$49,206	$35,786	$42,496	7.9910%	4.58%	$ 117	$ 615
232	INVP 3896 SMI Conversion Mobilizati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	90000153520	YES	G020	$3,095,820	12/1/2016	84	$1,621,620	$1,179,360	$1,400,490	7.9910%	4.58%	$ 3,840	$ 20,256
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176043	YES	G012	$637,905	12/1/2016	120	$425,270	$361,480	$393,375	7.9910%	4.58%	$ 1,070	$ 2,922
234	INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	90000176039	YES	G012	$2,749,134	12/1/2016	120	$1,832,756	$1,557,843	$1,695,299	7.9910%	4.58%	$ 4,611	$ 12,591
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	90000172054	YES	G012	$1,858,401	12/1/2016	120	$1,238,934	$1,053,094	$1,146,014	7.9910%	4.58%	$ 3,117	$ 8,511
236	INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File_Email Transfer (Full) (Cyber Security)	3614	90000170691	YES	G020	$68,180	12/1/2016	84	$35,713	$25,973	$30,843	7.9910%	4.58%	$ 85	$ 446
237	INVP3614A1 IAM Ph2:Identity Adminis	INVP3614A1 IAM Ph2:Identity Administration (Cyber Security)	3614A	90000141707	YES	G020	$2,647,721	12/1/2016	84	$1,386,902	$1,008,656	$1,197,779	7.9910%	4.58%	$ 3,284	$ 17,324
238	INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	90000178452	YES	G012	$803,788	12/1/2016	120	$535,859	$455,480	$495,669	7.9910%	4.58%	$ 1,348	$ 3,681
239	INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP	90000176041	YES	G012	$723,292	12/1/2016	120	$482,195	$409,866	$446,030	7.9910%	4.58%	$ 1,213	$ 3,313
240	INVP 4218 - Blanket Work Order	INVP 4218 - Blanket Work Order	USFP	90000178859	YES	G012	$2,393,826	12/1/2016	120	$1,595,884	$1,356,501	$1,476,193	7.9910%	4.58%	$ 4,015	$ 10,964
241	INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	90000161831	YES	G207	$1,480,189	12/1/2016	84	$775,337	$563,881	$669,609	7.9910%	19.47%	$ 7,805	$ 41,170
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176046	YES	G012	$426,099	12/1/2016	120	$284,066	$241,456	$262,761	7.9910%	4.58%	$ 715	$ 1,952
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176040	YES	G012	$1,250,841	12/1/2016	120	$833,894	$708,810	$771,352	7.9910%	4.58%	$ 2,098	$ 5,729
244	INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	90000170290	YES	G020	$306,947	12/1/2016	84	$160,782	$116,932	$138,857	7.9910%	4.58%	$ 381	$ 2,008
245	INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614	90000141754	YES	G020	$2,171,757	12/1/2016	84	$1,137,587	$827,336	$982,461	7.9910%	4.58%	$ 2,694	$ 14,209
246	USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	$16,772	12/1/2016	120	$11,181	$9,504	$10,343	7.9910%	4.58%	$ 28	$ 77
247	INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	($21,448)	12/1/2016	84	$0	$0	$0	7.9910%	4.58%	$ 32	$ -
		Total IS					$758,388,331			$210,757,618	$135,168,220	$172,962,919			$ 461,174	$ 3,098,276

NIMO G $ 3,559,450

Case 17-G-0239
Appendix 6
Schedule 17
Page 25 of 25

Niagara Mohawk Power Corporation d/b/a National Grid
IS Capital Investment Cost Incentive
For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

Investment Name	INVP	Work Order	Allocation Code	Allocation to NMPC-G	Full Sanction Estimate*	10% Threshold for Incentive	Assumed Actuals upon Project Closure*	Difference from Sanctioned Amount	Gas Portion to be Shared
Green Button Connect	4704C	N/A	C113	27%	$3,072,759	$2,765,483	$ 2,500,000	$ (572,759)	$ (155,160)
					$3,072,759	$2,765,483	$2,500,000	($572,759)	($155,160)

Total Gas CAPEX savings reflected in rent expense	$	155,160
20% of CAPEX savings recorded as a regulatory asset	$	31,032

*The Company will share in any efficiency savings on capital costs to the extent actual capital costs upon project closure, as reflected in the sanction paper for project closure, are less than the full sanction estimate, as reflected in the full sanction paper, by ten percent or more. The project closure sanction paper containing the actual capital costs is identified as "Closure" in the "Sanction Type" field of the sanction paper. The full sanction paper containing the full sanction estimate for the project is identified as "Sanction" (rather than "Partial" or "Re-Sanction") in the "Sanction Type" field on the sanction paper. For purposes of the Green Button Connect project, the incentive is based on the forecast of capital costs reflected in Niagara Mohawk's revenue requirement.

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 18
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Deferral of Gas Efficiency Transition Implementation Plan ("ETIP")
($000's)

GAS EXAMPLE 1

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 10,000	$ 10,200	$ 10,700
2	Rate Allowance	$ 10,549	$ 10,549	$ 10,549
3	Difference	$ 549	$ 349	$ (151)
4	3 Year Cumulative Actuals	$ 30,900		
5	3 Year Cumulative Rate Allowance	$ 31,648		
6	Difference - underspend / (overspend)	$ 748		
7	**Deferral - Due to Customers**	**$ 748**		

GAS EXAMPLE 2

		Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1	Actual Expense	$ 10,700	$ 10,350	$ 10,900
2	Rate Allowance	$ 10,549	$ 10,549	$ 10,549
3	Difference	$ (151)	$ 199	$ (351)
4	3 Year Cumulative Actuals	$ 31,950		
5	3 Year Cumulative Rate Allowance	$ 31,648		
6	Difference - underspend / (overspend)	$ (302)		
7	**Deferral**	**$ -**		

The Company will continue to be afforded the flexibility to shift funds within the respective electric and gas ETIP portfolio of programs.

Notes (by line number)
1 Input - Actual Costs
2 Per Case No. 15-M-0252; See Joint Proposal Section 13.2.1
3 Line 2 less Line 1
4 Sum Line 1 for Rate Years 1-3
5 Sum Line 2 for Rate Years 1-3
6 Line 5 less Line 4
7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed the cumulative rate allowance for Rate Years 1-3, there will be no Deferral.

'Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Deferrals Available to Mitigate for Gas Rate Base Regulatory Assets & Liabilities
($000's)

Deferral Account	Forecast Deferral Balance at 3/31/18 (in millions)	Staff Acctg Panel Adjustments	Adjusted Forecast Deferral Balance at 3/31/18 (in millions)	Percent	Rate Year One Credit Allocation	Rate Year Two Credit Allocation	Rate Year Three Credit Allocation	Forecast Deferral Balance at end of Rate Year 3 (in millions)
					$ 32.315	$ 16.924	$ 5.344	
RRP Testimony Table 9 Gas Deferrals								
FIT Repair Cost	$ (30.113)		$ (30.113)	40.36%	$ 13.043	$ 6.831	$ 2.157	$ (8.082)
Auction Debt True-Up – Gas	(19.762)		(19.762)	26.49%	8.560	4.483	1.416	(5.304)
Gas Community Carrying Charges	(23.732)		(23.732)	31.81%	10.279	5.384	1.700	(6.369)
Property Tax Expense	(11.973)		(11.973)	16.05%	5.186	2.716	0.858	(3.213)
Pension Expense Deferred – Gas	12.668		12.668	-16.98%	(5.487)	(2.874)	(0.907)	3.400
OPEB Expense Deferred – Gas	4.224		4.224	-5.66%	(1.830)	(0.958)	(0.303)	1.134
Site Investigation and Remediation Expense – Gas	(9.969)		(9.969)	13.36%	4.318	2.261	0.714	(2.675)
Capital Tracker – Case 12-G-0202 (FY14-16)	(6.180)		(6.180)	8.28%	2.677	1.402	0.443	(1.659)
Net Utility Plant and Depreciation Reconciliation Mechanism – Gas	22.958		22.958	-30.77%	(9.944)	(5.208)	(1.644)	6.161
Federal Tax Refund 1991-1995	(3.723)		(3.723)	4.99%	1.613	0.845	0.267	(0.999)
Medicare Act Tax Benefit	3.231		3.231	-4.33%	(1.400)	(0.733)	(0.231)	0.867
Joint Proposal Amortization	(2.896)		(2.896)	3.88%	1.254	0.657	0.207	(0.777)
Gas Millennium Fund Deferral	0.453		0.453	-0.61%	(0.196)	(0.103)	(0.032)	0.122
Miscellaneous Gas Penalties - Gas	(0.443)		(0.443)	0.59%	0.192	0.100	0.032	(0.119)
Variable Pay – Gas	(0.431)		(0.431)	0.58%	0.187	0.098	0.031	(0.116)
Gas Contingency Reserve	(0.407)		(0.407)	0.55%	0.176	0.092	0.029	(0.109)
Bonus Depreciation – Gas – Case 15-M-0744	(1.313)		(1.313)	1.76%	0.569	0.298	0.094	(0.352)
CSS Conversion Savings – Gas	(0.069)		(0.069)	0.09%	0.030	0.016	0.005	(0.019)
KeySpan Merger Savings – Gas	(0.063)		(0.063)	0.08%	0.027	0.014	0.005	(0.017)
Incentive Return on Retirement Funding	0.034		0.034	-0.05%	(0.015)	(0.008)	(0.002)	0.009
Curtailment - Gas	(0.023)		(0.023)	0.03%	0.010	0.005	0.002	(0.006)
Bonus Depreciation Adjustment - Gas	(0.022)		(0.022)	0.03%	0.010	0.005	0.002	(0.006)
GRT Customer Refund	(0.015)		(0.015)	0.02%	0.006	0.003	0.001	(0.004)
Loss on Sale of Building	-		-	0.00%	-	-	-	-
Oil to Gas Customer Conversion Program	1.387		1.387	-1.86%	(0.601)	(0.315)	(0.099)	0.372
Rate Case Expense - Gas	0.426	(0.426)	-	0.00%	-	-	-	0.426
Economic Development Fund Program - Gas	(8.090)		(8.090)	10.84%	3.504	1.835	0.579	(2.171)
AffordAbility Program - Gas	(0.651)	0.651	-	0.00%	-	-	-	(0.651)
NYS Sales Tax Refund - Gas	(0.336)		(0.336)	0.45%	0.146	0.076	0.024	(0.090)
Gas Deferral Accounts Available to Mitigate Rate Increase	$ (74.830)	$ 0.225	$ (74.605)	100%	$ 32.315	$ 16.924	$ 5.344	$ (20.247)

APPENDIX 7

APPENDIX 7: EARNINGS ADJUSTMENT MECHANISMS

Niagara Mohawk will adopt Earnings Adjustment Mechanisms ("EAMs") as of January 1, 2018 for its electric and gas businesses. The EAMs will be measured on a calendar year ("CY") basis. There are four EAMs for electric, comprised of a total of eight metrics, and one EAM for gas, comprised of one metric. Each EAM metric contains targets that are set at minimum, midpoint, and maximum performance levels. If any of these performance levels are achieved in a calendar year, Niagara Mohawk can earn an annual pre-tax positive revenue adjustment. At the maximum level, Niagara Mohawk has the potential to earn positive revenue adjustments of $19.49 million in CY 2018, $22.22 million in CY 2019, and $23.59 million in CY 2020 for its electric business. With respect to the gas business, Niagara Mohawk has the potential to earn positive revenue adjustments of $0.80 million in CY 2018, $0.86 million in CY 2019, and $0.93 million in CY 2020 at the maximum performance level. The EAMs, targets, and positive revenue adjustments are described in the sections that follow.

1.0 ELECTRIC EAMS

1.1 System Efficiency

The System Efficiency EAM is composed of two metrics: Peak Reduction and Distributed Energy Resources ("DER") Utilization.

1) Peak Reduction

The Peak Reduction EAM metric incentivizes Niagara Mohawk to reduce its New York Control Area ("NYCA") coincident peak. This metric will be calculated as the sum of:

a. The weather-normalized demand on Niagara Mohawk's system during the NYCA peak hour, plus
b. Any amounts actually curtailed from contracted resources enrolled in the New York Independent System Operator's ("NYISO") Installed Capacity – Special Case Resource program during the NYCA peak hour.[1]

2) DER Utilization

The DER Utilization EAM metric incentivizes Niagara Mohawk to work with third parties to expand the use of DER resources in the Company's service territory. This metric will measure the sum of the annualized megawatt hours ("MWh") from incremental DER in Niagara Mohawk's service territory, including solar, combined heat and power, standalone storage resources, and fuel cells. The metric will not include demand response, electric vehicles, or heat pumps.

[1] Demand response curtailments from Niagara Mohawk customers who are enrolled in the NYISO's Special Case Resource program will be added back to the Company's weather-normalized metered load to be consistent with the NYISO's process to determine installed capacity requirements.

The DER Utilization metric will be calculated as follows:

DER Utilization (MWh) =
Community and Rooftop Solar PV MWh annualized production
+ Combined heat and power ("CHP") MWh annualized production
+ Fuel cell MWh annualized production
+ Battery storage MWh annualized discharge
+ Battery storage MWh annualized charging

Annualized production will be calculated as follows:

Technology	**Annualized MWh Calculation**
Solar production	= MW installed * 13.4% capacity factor * hours/yr
CHP production	= MW installed * 85% capacity factor * hours/yr
Fuel cell production	= MW installed * 91% capacity factor * hours/yr
Battery Storage discharge (production)	= [Daily battery inverter discharge rating (MWh)] * [365 days per year]
Battery Storage charging (consumption)	[Daily battery inverter discharge rating (MWh)] * [365 days per year] / [83% round trip efficiency]

1.2 Energy Efficiency

The Energy Efficiency EAM is composed of four metrics: Incremental Energy Efficiency, LED Street Light Conversions, Residential Energy Intensity, and Commercial Energy Intensity.

1) Incremental Energy Efficiency

The Incremental Energy Efficiency EAM metric incentivizes Niagara Mohawk to achieve energy efficiency savings above its annual savings target of 263,877 MWh for calendar years 2018-2020, as set forth in the Company's Energy Efficiency Transition Implementation Plan ("ETIP") filed June 1, 2017 in Case 15-M-0252 ("June ETIP"). This metric will be measured as the annual sum of MWh savings from all of Niagara Mohawk's administered energy efficiency programs, including the ETIP[2] and E-Commerce Platform. As a precondition to earning this incentive, the Estimated Useful Life ("EUL")[3] of the Company's ETIP portfolio must be at least 90 percent of its current EUL of 6.7 years. The Company must achieve its current EUL of 6.7

[2] ETIP savings will be calculated consistent with the current standard practices described in the Company's June ETIP, with flexibility to commit savings in the sales pipeline.
[3] The portfolio EUL will be calculated as the lifecycle MWh divided by the first-year MWh of energy efficiency measures implemented in the ETIP program within a given year.

years to earn the full incentive and will earn a prorated share of the incentive between 90 percent of 100 percent of the current EUL.[4] In the event that the Commission requires changes to the energy efficiency programs contained in the Company's June ETIP, the Company will file a petition within 90 days of Commission approval of the changes to adjust the Incremental Energy Efficiency EAM metric performance levels and EUL threshold, as appropriate.

2) LED Street Light Conversions

The LED Street Light Conversions EAM metric incentivizes Niagara Mohawk to increase the conversion of street lights to LED lighting. This metric will be calculated on the MWh saved as generally established using a percentage of street light conversions each year.

3) Residential Energy Intensity

The Residential Energy Intensity EAM metric incentivizes Niagara Mohawk to help reduce residential customers' total usage on a per customer basis. This metric will be measured as the year-over-year percentage change in kilowatt hours ("kWh") per customer for the residential customer class. The kWh per customer will be calculated as the weather-normalized annual kwh usage for the residential customer class divided by the 12-month average number of residential customers, adjusted to exclude the impacts of beneficial electrification such as new load from heat pumps and electric vehicles.

4) Commercial Energy Intensity

The Commercial Energy Intensity EAM metric incentivizes Niagara Mohawk to reduce commercial customers' total usage on a per customer basis. This metric will be measured on the year-over-year percentage change in MWh per customer for the commercial customer class. The MWh per customer will be calculated as the weather-normalized annual MWh usage for the commercial customer class divided by the 12-month average number of commercial customers, adjusted to exclude the impacts of beneficial electrification such as new load from heat pumps and electric vehicles.

1.3 Interconnections

The Interconnections EAM is composed of one metric: Developer Satisfaction. The Developer Satisfaction EAM metric incentivizes Niagara Mohawk to improve the Distributed Generation ("DG") interconnection process and increase the satisfaction of developers who seek to interconnect DG projects above 50 kilowatts ("Kw") and up to 5 MW that have begun the DG interconnection process under the Commission's *Standardized Interconnection Requirements* ("SIR"). Targets for this metric will be developed in Case 16-M-0429.

[4] For example, if the Company achieves its midpoint target and the EUL of the ETIP portfolio is 6.4 years, or 95 percent of the current EUL of 6.7 years, then the Company will earn 95 percent of the midpoint incentive level.

1.4 Environmentally Beneficial Electrification

The Environmentally Beneficial Electrification EAM metric incentivizes the Company to reduce carbon emissions by facilitating the penetration of electric vehicles and heat pumps in Niagara Mohawk's service territory. This metric will be measured as the lifetime metric tons of avoided carbon dioxide from incremental electric vehicles and heat pumps, as more fully described in Attachment A. The electric vehicles metric will measure incremental battery electric vehicles and plug-in hybrid electric vehicles registered in Niagara Mohawk's service territory as compared to those registered in a peer group of other utilities' service territories, as more fully described in Attachment A.[5] Incremental heat pumps will be measured by the number of rebates provided by the Company for air-source and ground source (geothermal) heat pumps.

1.5 EAM Targets and Positive Revenue Adjustments

The annual electric EAM minimum, midpoint, and maximum targets and associated positive revenue adjustments are as follows:

Electric EAMs		**Incentive ($m)**			**Target**		
Metric (Unit)		**2018**	**2019**	**2020**	**2018**	**2019**	**2020**
Peak Reduction (MW)	Minimum	$1.4	$1.5	$1.5	6801	6767	6734
	Midpoint	$2.1	$2.2	$2.3	6747	6671	6604
	Maximum	$4.1	$4.4	$4.6	6712	6614	6524
DER Utilization (MWh)	Minimum	$0.5	$0.5	$0.6	191,416	210,929	238,290
	Midpoint	$1.0	$1.1	$1.2	250,104	277,823	322,096
	Maximum	$2.1	$2.2	$2.3	283,302	314,300	365,079
Incremental EE (MWh)	Minimum	$0.9	$0.9	$1.0	278,321	278,321	278,321
	Midpoint	$1.7	$1.8	$1.9	312,042	312,042	312,042
	Maximum	$3.4	$3.6	$3.9	355,324	355,324	355,324
LED Street Lighting (MWh)	Minimum	$0.0	$0.0	$0.0	9,124	9,124	9,124
	Midpoint	$0.9	$0.9	$1.0	13,686	13,686	13,686
	Maximum	$1.7	$1.8	$1.9	18,248	18,248	18,248
Energy Intensity - Residential (% Δ in MWh/customer)	Minimum	$0.3	$0.4	$0.4	0.80%	0.80%	0.80%
	Midpoint	$1.0	$1.1	$1.2	1.00%	1.00%	1.00%
	Maximum	$2.4	$2.9	$3.1	1.22%	1.22%	1.22%

[5] The peer group is comprised of non-National Grid zip codes in New York and Massachusetts within three standard deviations of Niagara Mohawk's average population and household income.

Energy Intensity - Commercial (% Δ in MWh/customer)	Minimum	$0.3	$0.4	$0.4	0.86%	0.86%	0.86%
	Midpoint	$1.0	$1.1	$1.2	1.10%	1.10%	1.10%
	Maximum	$2.4	$2.9	$3.1	1.34%	1.34%	1.34%
Developer Satisfaction	Minimum	$0.3	$0.4	$0.4	TBD		
	Midpoint	$0.9	$0.9	$1.0			
	Maximum	$1.7	$1.8	$1.9			
Beneficial Electrification (Lifetime MT CO2)	Minimum	$0.3	$0.5	$0.6	13,533	15,355	17,756
	Midpoint	$0.9	$1.1	$1.2	23,592	26,143	29,505
	Maximum	$1.7	$2.5	$2.7	41,546	45,861	52,044
Total Electric EAM Incentive							
Total	Minimum	$4.1	$4.6	$4.8			
	Midpoint	$9.4	$10.2	$10.8			
	Maximum	$19.5	$22.2	$23.6			

2.0 GAS EAMS

2.1 Incremental Energy Efficiency

The Incremental Energy Efficiency EAM incentivizes Niagara Mohawk to achieve energy efficiency savings above its annual savings target of 551,565 Dth for calendar years 2018-2020, as set forth in the Company's June ETIP. This EAM metric will be measured as the annual sum of Dth savings from all of Niagara Mohawk's administered energy efficiency programs, including the ETIP[6] and E-Commerce Platform. In the event that the Commission requires changes to the energy efficiency programs contained in the June ETIP, the Company will file a petition within 90 days of Commission approval of the changes to adjust the Incremental Energy Efficiency EAM performance levels and EUL threshold, as appropriate.

2.2 EAM Targets and Positive Revenue Adjustments

The annual gas EAM minimum, midpoint, and maximum targets and associated positive revenue adjustments are as follows:

[6] ETIP savings will be calculated consistent with the current standard practices described in the Company's June ETIP, with flexibility to commit savings in the sales pipeline.

Gas EAM		Incentive ($m)			Target		
Metric (Unit)		**2018**	**2019**	**2020**	**2018**	**2019**	**2020**
Gas Energy Efficiency (dth)	Minimum	$0.2	$0.2	$0.2	783,718	783,718	783,718
	Midpoint	$0.4	$0.4	$0.5	943,934	943,934	943,934
	Maximum	$0.8	$0.9	$0.9	1,195,900	1,195,900	1,195,900

3.0 EAM REPORTING REQUIREMENTS

The Company will file annual EAM reports with the Secretary no later than March 1 of each year setting forth the Company's performance relative to each EAM metric target, savings and benefits achieved, and calculations for incentives earned, including proration of any incentives related to metric achievement between the minimum, midpoint, and the maximum target levels, and explanations for any targets not achieved. The Company will also file with the Secretary quarterly reports no later than sixty days after the end of each calendar quarter to describe the Company's progress toward each EAM's metric target, the actions taken by the Company to achieve target performance, and a forecast of whether the Company expects to meets its annual EAM targets.

The Company will also file with the Secretary a mid-point review of its EAMs not later than March 1, 2019 in these proceedings. In its mid-point review filing, the Company will evaluate capacity factors of solar and combined heat and power, and, if necessary, propose to revise targets and calculations going forward. Any proposed revisions to targets are subject to Commission approval.

4.0 RECOVERY OF EAM POSITIVE REVENUE ADJUSTMENTS

The Company will be permitted to recover earned EAM positive revenue adjustments through electric and gas surcharges beginning April 1, 2019, as set forth in Section 3.8 and Section 4.10 of the Joint Proposal.

Environmentally Beneficial Electrification EAM

The Environmentally Beneficial Electrification EAM metric will be measured as the lifetime metric tons ("MT") of avoided carbon dioxide ("CO2") from incremental electric vehicles ("EVs") and heat pumps. Lifetime MT of CO2 will be calculated as the number of incremental units multiplied by the assumed avoided MT CO2 multiplied by the average technology life as agreed to below.

Electric vehicles: *Incremental EVs * 3.85 MT CO2 * 10 years*
Air-source heat pumps ("ASHP): *Incremental ASHP * 3.5 MT CO2 * 15 years*
Ground-source heat pumps ("GSHP"): *Incremental GSHP * 5 MT CO2 * 25 years*

EV Peer Group

The EV component of the Environmentally Beneficial Electrification metric will be measured as the lifetime MT of avoided carbon dioxide from incremental electric vehicles registered in Niagara Mohawk's service territory as compared to those registered in the peer group described below. Electric vehicles are defined as battery electric vehicles ("BEVs)[1] and plug-in hybrid vehicles ("PHEVs"). Data will be obtained from the R.L. Polk Vehicles in Operation data source[2].

Table 1: Cumulative EVs Registered in NMPC and Peer Group

Cumulative EVs registered	2010	2011	2012	2013	2014	2015	2016	2017 YTD
NMPC Actual	27	122	762	1,248	2,548	2,978	3,360	4,620
Peer Geography Actual	106	183	999	1,691	3,855	4,883	6,162	8,245

The peer group is comprised of non-National Grid zip codes in New York and Massachusetts that have customer bases that are within three standard deviations of Niagara Mohawk's average population and household income. EV adoption in Niagara Mohawk as a function of EV adoption in the peer group shows that, on average, electric vehicle adoption in Niagara Mohawk zip codes is approximately 55.7% of adoption in the peer group zip codes.

$$NMPC\ EVs = .557\ PeerGroup\ EVs + 8.8$$

where NMPC EVs represents the annual incremental BEVs and PHEVs registered in Niagara Mohawk zip codes and PeerGroup EVs represents the annual incremental BEVs and PHEVs registered in peer group zip codes

Performance against the peer group will be measured as:

$$[NMPC\ \ EVs] - [Peer\ group\ EVs * 55.7\%]$$

[1] Excluding low speed vehicles such as golf carts
[2] Or a comparable data source consistent with the data provided in Table 1 in the event that Polk is acquired or no longer produces EV registration data

Peer Group

COUNTY	CITY	STATE	ZIP	2016 Cumulative EVs Registered	Population over 16	Mean Household Income
BRISTOL	Acushnet	MA	02743	2	8,786	$ 81,449
HAMPDEN	Agawam	MA	01001	16	14,504	$ 71,100
SUFFOLK	Allston	MA	02134	45	17,023	$ 60,776
HAMPSHIRE	Amherst	MA	01003	1	11,205	$ 84,224
MIDDLESEX	Arlington	MA	02474	84	22,343	$ 118,777
WORCESTER	Ashburnham	MA	01430	9	4,870	$ 101,726
MIDDLESEX	Ashby	MA	01431	1	2,692	$ 89,211
FRANKLIN	Ashfield	MA	01330	2	1,236	$ 86,944
BRISTOL	Assonet	MA	02702	4	3,638	$ 96,733
BRISTOL	Attleboro Falls	MA	02763	0	1,580	$ 114,361
WORCESTER	Baldwinville	MA	01436	0	3,075	$ 72,822
BARNSTABLE	Barnstable	MA	02630	1	1,816	$ 116,991
BRISTOL	Berkley	MA	02779	5	5,051	$ 101,848
BERKSHIRE	Berkshire	MA	01224	0	124	$ 42,630
FRANKLIN	Bernardston	MA	01337	0	2,143	$ 72,307
HAMPDEN	Blandford	MA	01008	1	1,020	$ 76,843
SUFFOLK	Boston	MA	02118	38	23,870	$ 113,305
SUFFOLK	Boston	MA	02119	5	21,121	$ 45,181
SUFFOLK	Boston	MA	02120	1	13,482	$ 50,771
SUFFOLK	Boston	MA	02122	6	20,089	$ 69,723
SUFFOLK	Boston	MA	02215	5	24,159	$ 63,275
SUFFOLK	Boston	MA	02113	0	6,976	$ 95,214
SUFFOLK	Boston	MA	02121	3	21,447	$ 42,605
SUFFOLK	Boston	MA	02163	0	2,246	$ 57,946
BARNSTABLE	Brewster	MA	02631	11	8,487	$ 88,166
FRANKLIN	Buckland	MA	01338	1	184	$ 86,013
MIDDLESEX	Burlington	MA	01803	30	20,918	$ 109,093
BARNSTABLE	Buzzards Bay	MA	02532	9	10,205	$ 81,029
BARNSTABLE	Buzzards Bay	MA	02542	0	585	$ 49,823
MIDDLESEX	Cambridge	MA	02140	48	15,799	$ 113,113
MIDDLESEX	Cambridge	MA	02141	15	11,735	$ 90,066
PLYMOUTH	Carver	MA	02330	3	9,395	$ 82,128
BARNSTABLE	Cataumet	MA	02534	4	819	$ 85,128
BARNSTABLE	Centerville	MA	02632	11	8,674	$ 77,847
BARNSTABLE	Chatham	MA	02633	3	3,341	$ 112,334
HAMPDEN	Chester	MA	01011	1	1,207	$ 74,925
HAMPSHIRE	Chesterfield	MA	01012	2	462	$ 74,791
HAMPDEN	Chicopee	MA	01020	20	25,812	$ 66,820

HAMPDEN	Chicopee	MA	01022	2	2,581	$	59,961
HAMPDEN	Chicopee	MA	01013	9	18,087	$	50,463
FRANKLIN	Colrain	MA	01340	2	1,428	$	65,577
FRANKLIN	Conway	MA	01341	5	1,366	$	104,182
BARNSTABLE	Cotuit	MA	02635	8	2,942	$	93,729
HAMPSHIRE	Cummington	MA	01026	1	857	$	59,482
BERKSHIRE	Dalton	MA	01226	5	5,729	$	69,849
ESSEX	Danvers	MA	01923	47	22,038	$	95,324
NORFOLK	Dedham	MA	02026	34	20,723	$	109,399
FRANKLIN	Deerfield	MA	01342	3	1,304	$	117,725
BARNSTABLE	Dennis	MA	02638	3	2,994	$	86,484
BARNSTABLE	Dennis Port	MA	02639	1	2,310	$	61,579
BARNSTABLE	East Falmouth	MA	02536	17	16,360	$	81,447
BRISTOL	East Freetown	MA	02717	2	3,523	$	94,274
BERKSHIRE	East Otis	MA	01029	0	619	$	66,496
BARNSTABLE	East Sandwich	MA	02537	4	5,055	$	102,060
BRISTOL	East Taunton	MA	02718	2	5,427	$	87,730
WORCESTER	East Templeton	MA	01438	0	441	$	51,718
PLYMOUTH	East Wareham	MA	02538	0	2,463	$	59,433
BARNSTABLE	Eastham	MA	02642	3	4,447	$	81,656
DUKES	Edgartown	MA	02539	26	3,699	$	119,545
BRISTOL	Fairhaven	MA	02719	3	13,610	$	73,724
BARNSTABLE	Falmouth	MA	02540	17	7,344	$	94,122
HAMPDEN	Feeding Hills	MA	01030	15	9,164	$	80,197
BARNSTABLE	Forestdale	MA	02644	1	3,345	$	98,071
MIDDLESEX	Framingham	MA	01701	69	25,991	$	106,915
FRANKLIN	Gill	MA	01354	6	1,450	$	78,717
HAMPDEN	Granville	MA	01034	2	1,852	$	86,027
FRANKLIN	Greenfield	MA	01301	13	14,879	$	62,364
ESSEX	Groveland	MA	01834	2	5,555	$	108,081
HAMPSHIRE	Hadley	MA	01035	13	4,706	$	88,636
MIDDLESEX	Hanscom AFB	MA	01731	0	1,151	$	84,275
BARNSTABLE	Harwich	MA	02645	10	7,897	$	89,834
BARNSTABLE	Harwich Port	MA	02646	0	1,873	$	87,721
HAMPSHIRE	Hatfield	MA	01038	8	2,420	$	79,047
BERKSHIRE	Hinsdale	MA	01235	1	2,353	$	74,144
WORCESTER	Holden	MA	01520	6	11,843	$	114,492
MIDDLESEX	Hudson	MA	01749	25	16,122	$	93,401
PLYMOUTH	Hull	MA	02045	10	9,097	$	92,636
PLYMOUTH	Humarock	MA	02047	0	151	$	32,798
HAMPSHIRE	Huntington	MA	01050	3	1,949	$	67,737
BARNSTABLE	Hyannis	MA	02601	14	12,286	$	52,637
BARNSTABLE	Hyannis Port	MA	02647	0	113	$	109,725

SUFFOLK	Hyde Park	MA	02136	12	24,590	$	74,050
HAMPDEN	Indian Orchard	MA	01151	1	6,459	$	42,941
ESSEX	Ipswich	MA	01938	21	11,223	$	101,023
WORCESTER	Jefferson	MA	01522	4	2,515	$	114,727
PLYMOUTH	Kingston	MA	02364	13	10,472	$	96,756
FRANKLIN	Lake Pleasant	MA	01347	0	112	$	37,783
PLYMOUTH	Lakeville	MA	02347	12	8,910	$	106,776
BERKSHIRE	Lee	MA	01238	6	5,158	$	80,573
BERKSHIRE	Lenox Dale	MA	01242	1	280	$	58,804
FRANKLIN	Leverett	MA	01054	18	1,649	$	104,930
HAMPDEN	Ludlow	MA	01056	13	17,807	$	80,629
BRISTOL	Mansfield	MA	02048	24	17,863	$	119,098
PLYMOUTH	Marshfield	MA	02050	15	20,461	$	108,684
BARNSTABLE	Marstons Mills	MA	02648	9	5,409	$	94,951
BARNSTABLE	Mashpee	MA	02649	7	11,915	$	84,888
SUFFOLK	Mattapan	MA	02126	5	22,435	$	55,382
PLYMOUTH	Mattapoisett	MA	02739	9	5,035	$	116,750
MIDDLESEX	Maynard	MA	01754	23	8,415	$	106,537
ESSEX	Merrimac	MA	01860	4	5,413	$	93,381
PLYMOUTH	Middleboro	MA	02346	20	19,300	$	90,213
HAMPSHIRE	Middlefield	MA	01243	1	338	$	96,115
FRANKLIN	Millers Falls	MA	01349	2	948	$	66,416
NORFOLK	Millis	MA	02054	10	6,361	$	113,674
FRANKLIN	Montague	MA	01351	9	1,866	$	80,231
BARNSTABLE	Monument Beach	MA	02553	1	237	$	57,492
BRISTOL	New Bedford	MA	02745	5	20,496	$	60,866
BRISTOL	New Bedford	MA	02744	1	8,993	$	44,630
BRISTOL	New Bedford	MA	02746	2	11,224	$	39,020
BARNSTABLE	North Chatham	MA	02650	2	1,179	$	89,019
BRISTOL	North Dartmouth	MA	02747	15	20,316	$	84,149
BARNSTABLE	North Falmouth	MA	02556	5	2,422	$	109,556
BARNSTABLE	North Truro	MA	02652	1	755	$	84,199
FRANKLIN	Northfield	MA	01360	5	2,455	$	76,412
NORFOLK	Norwood	MA	02062	22	23,656	$	99,336
DUKES	Oak Bluffs	MA	02557	4	3,617	$	79,041
PLYMOUTH	Onset	MA	02558	1	1,230	$	59,675
BARNSTABLE	Orleans	MA	02653	11	5,364	$	86,617
BERKSHIRE	Otis	MA	01253	1	599	$	80,339
FRANKLIN	Plainfield	MA	01070	0	500	$	66,942
PLYMOUTH	Plympton	MA	02367	5	2,388	$	99,919
BARNSTABLE	Pocasset	MA	02559	5	3,858	$	86,320
BARNSTABLE	Provincetown	MA	02657	7	2,807	$	68,027
BRISTOL	Raynham	MA	02767	11	10,982	$	98,424

PLYMOUTH	Rochester	MA	02770	3	4,086	$	112,624
SUFFOLK	Roslindale	MA	02131	23	25,685	$	84,496
HAMPDEN	Russell	MA	01071	0	1,082	$	84,781
BARNSTABLE	Sagamore	MA	02561	0	439	$	61,963
BARNSTABLE	Sagamore Beach	MA	02562	2	2,740	$	90,432
BERKSHIRE	Sandisfield	MA	01255	0	742	$	76,577
BARNSTABLE	Sandwich	MA	02563	14	8,279	$	92,593
FRANKLIN	Shelburne Falls	MA	01370	5	3,485	$	79,184
MIDDLESEX	Somerville	MA	02143	31	23,667	$	85,249
BARNSTABLE	South Chatham	MA	02659	2	695	$	87,611
BRISTOL	South Dartmouth	MA	02748	7	10,033	$	98,282
FRANKLIN	South Deerfield	MA	01373	14	3,646	$	76,948
BARNSTABLE	South Dennis	MA	02660	5	5,727	$	70,224
BERKSHIRE	South Lee	MA	01260	0	382	$	85,392
BARNSTABLE	South Wellfleet	MA	02663	0	113	$	60,400
BARNSTABLE	South Yarmouth	MA	02664	3	8,160	$	65,346
HAMPSHIRE	Southampton	MA	01073	9	4,985	$	89,349
HAMPDEN	Southwick	MA	01077	8	7,867	$	98,163
HAMPDEN	Springfield	MA	01103	3	2,112	$	33,804
HAMPDEN	Springfield	MA	01108	5	19,948	$	50,406
HAMPDEN	Springfield	MA	01109	2	23,400	$	42,156
HAMPDEN	Springfield	MA	01118	9	11,579	$	70,476
HAMPDEN	Springfield	MA	01119	6	10,745	$	60,073
HAMPDEN	Springfield	MA	01104	4	18,250	$	46,122
HAMPDEN	Springfield	MA	01107	1	8,201	$	35,196
HAMPDEN	Springfield	MA	01128	1	2,190	$	87,233
HAMPDEN	Springfield	MA	01129	5	5,948	$	68,442
HAMPDEN	Springfield	MA	01105	0	8,814	$	29,237
MIDDLESEX	Stoneham	MA	02180	28	18,379	$	96,008
FRANKLIN	Sunderland	MA	01375	6	3,266	$	77,469
WORCESTER	Templeton	MA	01468	4	3,279	$	73,330
MIDDLESEX	Townsend	MA	01469	5	5,614	$	96,722
BARNSTABLE	Truro	MA	02666	0	740	$	66,806
FRANKLIN	Turners Falls	MA	01376	1	4,348	$	55,829
BERKSHIRE	Tyringham	MA	01264	0	143	$	116,968
DUKES	Vineyard Haven	MA	02568	32	3,340	$	78,973
MIDDLESEX	Wakefield	MA	01880	20	21,193	$	104,002
MIDDLESEX	Waltham	MA	02451	37	15,524	$	99,555
MIDDLESEX	Waltham	MA	02452	11	13,627	$	94,848
MIDDLESEX	Waltham	MA	02453	42	25,586	$	83,903
PLYMOUTH	Wareham	MA	02571	8	8,962	$	69,270
BARNSTABLE	Wellfleet	MA	02667	5	2,640	$	67,653
BARNSTABLE	West Barnstable	MA	02668	7	2,709	$	107,810

WORCESTER	West Boylston	MA	01583	10	6,557	$	92,488
HAMPSHIRE	West Chesterfield	MA	01084	0	145	$	84,429
BARNSTABLE	West Dennis	MA	02670	0	1,251	$	79,587
BARNSTABLE	West Harwich	MA	02671	1	804	$	63,371
HAMPSHIRE	West Hatfield	MA	01088	1	462	$	57,723
SUFFOLK	West Roxbury	MA	02132	29	23,247	$	106,305
HAMPDEN	West Springfield	MA	01089	24	23,289	$	67,740
DUKES	West Tisbury	MA	02575	3	2,194	$	92,977
PLYMOUTH	West Wareham	MA	02576	4	3,840	$	90,093
BARNSTABLE	West Yarmouth	MA	02673	1	7,132	$	73,555
BRISTOL	Westport Point	MA	02791	0	177	$	117,328
FRANKLIN	Whately	MA	01093	2	272	$	103,292
MIDDLESEX	Wilmington	MA	01887	26	18,423	$	114,629
BERKSHIRE	Windsor	MA	01270	0	656	$	90,606
BARNSTABLE	Woods Hole	MA	02543	4	712	$	95,598
HAMPSHIRE	Worthington	MA	01098	0	1,000	$	78,584
BARNSTABLE	Yarmouth Port	MA	02675	1	5,711	$	81,665
GREENE	Acra	NY	12405	1	614	$	50,125
STEUBEN	Addison	NY	14801	1	4,387	$	54,831
CHENANGO	Afton	NY	13730	1	2,443	$	51,800
ALLEGANY	Alfred Station	NY	14803	1	749	$	59,757
ALLEGANY	Almond	NY	14804	0	1,218	$	67,225
SCHUYLER	Alpine	NY	14805	0	814	$	63,718
CLINTON	Altona	NY	12910	2	1,809	$	66,437
DUTCHESS	Amenia	NY	12501	2	2,118	$	93,040
SUFFOLK	Amityville	NY	11701	20	22,018	$	83,672
COLUMBIA	Ancramdale	NY	12503	0	661	$	94,641
DELAWARE	Andes	NY	13731	1	889	$	64,615
ALLEGANY	Angelica	NY	14709	0	1,166	$	53,841
DUTCHESS	Annandale on Hudson	NY	12504	0	1,476	$	65,454
TIOGA	Apalachin	NY	13732	5	6,303	$	86,658
STEUBEN	Arkport	NY	14807	1	2,279	$	55,937
DELAWARE	Arkville	NY	12406	1	725	$	70,540
QUEENS	Arverne	NY	11692	9	14,336	$	58,512
GREENE	Ashland	NY	12407	0	151	$	77,386
GREENE	Athens	NY	12015	3	2,393	$	70,250
STEUBEN	Atlanta	NY	14808	0	437	$	55,474
CAYUGA	Aurora	NY	13026	0	1,617	$	73,450
COLUMBIA	Austerlitz	NY	12017	1	273	$	80,173
STEUBEN	Avoca	NY	14809	5	2,017	$	54,471
CHENANGO	Bainbridge	NY	13733	6	4,051	$	63,368
NASSAU	Baldwin	NY	11510	29	26,498	$	107,779
DUTCHESS	Barrytown	NY	12507	1	240	$	112,085

SULLIVAN	Barryville	NY	12719	1	1,116	$	82,949
TIOGA	Barton	NY	13734	0	1,939	$	70,080
STEUBEN	Bath	NY	14810	5	10,164	$	49,798
QUEENS	Bayside	NY	11360	14	16,576	$	97,078
QUEENS	Bayside	NY	11361	19	25,317	$	93,310
DUTCHESS	Beacon	NY	12508	18	16,436	$	81,959
ULSTER	Bearsville	NY	12409	3	615	$	99,169
CHEMUNG	Beaver Dams	NY	14812	0	2,622	$	63,405
QUEENS	Bellerose	NY	11426	17	16,078	$	90,998
YATES	Bellona	NY	14415	1	130	$	56,661
SUFFOLK	Bellport	NY	11713	23	7,152	$	89,542
ALLEGANY	Belmont	NY	14813	0	2,025	$	52,566
BROOME	Berkshire	NY	13736	0	1,560	$	63,052
RENSSELAER	Berlin	NY	12022	0	746	$	64,406
SULLIVAN	Bethel	NY	12720	0	173	$	82,941
NASSAU	Bethpage	NY	11714	37	18,921	$	109,517
CHEMUNG	Big Flats	NY	14814	3	1,437	$	73,421
ULSTER	Big Indian	NY	12410	1	477	$	68,660
BROOME	Binghamton	NY	13901	9	15,437	$	55,104
BROOME	Binghamton	NY	13903	11	15,355	$	61,954
BROOME	Binghamton	NY	13904	8	7,693	$	53,999
BROOME	Binghamton	NY	13905	17	23,679	$	49,797
SULLIVAN	Bloomingburg	NY	12721	8	4,852	$	71,218
ULSTER	Bloomington	NY	12411	0	392	$	68,414
DELAWARE	Bloomville	NY	13739	0	723	$	64,456
HAMILTON	Blue Mountain Lake	NY	12812	0	48	$	55,758
SUFFOLK	Blue Point	NY	11715	11	3,552	$	115,783
SUFFOLK	Bohemia	NY	11716	21	8,446	$	92,804
ULSTER	Boiceville	NY	12412	1	430	$	86,449
ERIE	Boston	NY	14025	3	2,322	$	76,893
MADISON	Bouckville	NY	13310	1	467	$	51,528
DELAWARE	Bovina Center	NY	13740	0	408	$	75,588
ERIE	Bowmansville	NY	14026	1	523	$	111,963
SCHUYLER	Bradford	NY	14815	0	874	$	69,738
YATES	Branchport	NY	14418	4	1,178	$	80,698
CHEMUNG	Breesport	NY	14816	0	361	$	65,299
QUEENS	Breezy Point	NY	11697	3	3,035	$	109,500
PUTNAM	Brewster	NY	10509	15	15,314	$	117,307
ONEIDA	Bridgewater	NY	13313	0	377	$	44,661
BRONX	Bronx	NY	10464	2	3,870	$	90,671
BRONX	Bronx	NY	10471	22	18,261	$	105,625
BRONX	Bronx	NY	10470	2	12,122	$	70,509
BRONX	Bronx	NY	10474	1	9,368	$	36,171

MADISON	Brookfield	NY	13314	0	476	$	61,068
KINGS	Brooklyn	NY	11232	1	23,508	$	60,019
KINGS	Brooklyn	NY	11239	3	10,866	$	34,840
TOMPKINS	Brooktondale	NY	14817	7	2,091	$	66,872
WESTCHESTEI	Buchanan	NY	10511	0	1,820	$	112,668
SCHUYLER	Burdett	NY	14818	5	1,753	$	61,709
SULLIVAN	Burlingham	NY	12722	0	238	$	62,751
OTSEGO	Burlington Flats	NY	13315	1	1,126	$	56,729
CLINTON	Cadyville	NY	12918	0	1,729	$	68,877
GREENE	Cairo	NY	12413	0	2,331	$	48,154
SULLIVAN	Callicoon	NY	12723	2	1,633	$	62,182
SULLIVAN	Callicoon Center	NY	12724	1	257	$	59,315
SUFFOLK	Calverton	NY	11933	28	5,374	$	85,860
QUEENS	Cambria Heights	NY	11411	3	16,301	$	93,447
STEUBEN	Cameron	NY	14819	0	602	$	52,443
STEUBEN	Cameron Mills	NY	14820	1	594	$	48,408
STEUBEN	Campbell	NY	14821	4	2,519	$	62,909
ORANGE	Campbell Hall	NY	10916	7	3,359	$	119,872
COLUMBIA	Canaan	NY	12029	2	929	$	97,324
ONTARIO	Canandaigua	NY	14424	21	22,650	$	72,268
ALLEGANY	Canaseraga	NY	14822	1	944	$	43,261
TIOGA	Candor	NY	13743	2	2,807	$	67,617
STEUBEN	Canisteo	NY	14823	2	2,879	$	54,869
NASSAU	Carle Place	NY	11514	3	4,018	$	118,835
PUTNAM	Carmel	NY	10512	18	20,082	$	113,216
WYOMING	Castile	NY	14427	0	1,767	$	61,276
BROOME	Castle Creek	NY	13744	0	962	$	62,937
GREENE	Catskill	NY	12414	6	8,603	$	62,979
CAYUGA	Cayuga	NY	13034	3	1,597	$	76,330
CHEMUNG	Cayuta	NY	14824	0	435	$	60,853
NASSAU	Cedarhurst	NY	11516	12	5,536	$	118,179
CHAUTAUQUA	Celoron	NY	14720	0	586	$	42,088
SUFFOLK	Center Moriches	NY	11934	25	6,262	$	111,827
SUFFOLK	Centereach	NY	11720	74	23,633	$	105,517
ERIE	Chaffee	NY	14030	0	1,355	$	65,821
CLINTON	Champlain	NY	12919	6	2,348	$	52,079
FRANKLIN	Chateaugay	NY	12920	2	2,305	$	57,741
CLINTON	Chazy	NY	12921	5	1,998	$	79,943
CHEMUNG	Chemung	NY	14825	0	747	$	63,528
BROOME	Chenango Forks	NY	13746	2	1,740	$	65,672
RENSSELAER	Cherry Plain	NY	12040	0	116	$	48,940
ORANGE	Chester	NY	10918	12	9,692	$	105,937
ULSTER	Chichester	NY	12416	0	124	$	28,107

CLINTON	Churubusco	NY	12923	0	535	$	56,059
ORANGE	Circleville	NY	10919	2	1,194	$	98,073
SULLIVAN	Claryville	NY	12725	0	160	$	69,646
ONTARIO	Clifton Springs	NY	14432	1	4,876	$	64,699
GREENE	Climax	NY	12042	0	179	$	56,232
DUTCHESS	Clinton Corners	NY	12514	9	2,722	$	117,905
ULSTER	Clintondale	NY	12515	4	1,282	$	74,146
WAYNE	Clyde	NY	14433	0	3,124	$	57,146
SULLIVAN	Cochecton	NY	12726	0	984	$	69,811
STEUBEN	Cohocton	NY	14826	1	1,773	$	56,160
ERIE	Colden	NY	14033	4	1,881	$	95,698
QUEENS	College Point	NY	11356	12	19,491	$	75,112
CATTARAUGU	Conewango Valley	NY	14726	0	1,346	$	42,416
BROOME	Conklin	NY	13748	0	2,913	$	59,925
ULSTER	Connelly	NY	12417	0	633	$	57,654
STEUBEN	Coopers Plains	NY	14827	0	100	$	40,100
OTSEGO	Cooperstown	NY	13326	13	4,909	$	85,611
COLUMBIA	Copake	NY	12516	1	1,918	$	67,666
COLUMBIA	Copake Falls	NY	12517	1	555	$	77,647
SUFFOLK	Copiague	NY	11726	13	17,037	$	82,613
SUFFOLK	Coram	NY	11727	54	24,060	$	89,402
STEUBEN	Corning	NY	14830	29	16,052	$	74,722
ORANGE	Cornwall	NY	12518	6	4,399	$	96,843
ORANGE	Cornwall on Hudson	NY	12520	5	2,415	$	116,733
GREENE	Cornwallville	NY	12418	1	418	$	67,328
ULSTER	Cottekill	NY	12419	2	486	$	55,726
WYOMING	Cowlesville	NY	14037	1	781	$	64,016
GREENE	Coxsackie	NY	12051	3	5,797	$	81,524
ULSTER	Cragsmoor	NY	12420	0	401	$	87,346
WESTCHESTEI	Crompond	NY	10517	2	526	$	111,566
ORANGE	Cuddebackville	NY	12729	3	1,621	$	81,062
SUFFOLK	Cutchogue	NY	11935	19	2,792	$	107,378
WYOMING	Dale	NY	14039	0	88	$	65,533
ALLEGANY	Dalton	NY	14836	0	876	$	67,867
CLINTON	Dannemora	NY	12929	0	3,696	$	52,379
DELAWARE	Davenport	NY	13750	0	777	$	44,082
DELAWARE	Davenport Center	NY	13751	1	156	$	44,790
CATTARAUGU	Dayton	NY	14041	0	251	$	53,573
ONEIDA	Deansboro	NY	13328	0	1,131	$	69,322
SUFFOLK	Deer Park	NY	11729	41	22,009	$	98,880
DELAWARE	Delancey	NY	13752	0	583	$	87,411
DELAWARE	Denver	NY	12421	0	337	$	54,735
BROOME	Deposit	NY	13754	1	2,965	$	54,599

DUTCHESS	Dover Plains	NY	12522	4	4,238	$	66,621
DELAWARE	Downsville	NY	13755	0	1,053	$	44,615
YATES	Dresden	NY	14441	0	354	$	62,016
SCHUYLER	Dundee	NY	14837	2	4,316	$	65,789
GREENE	Durham	NY	12422	0	323	$	84,231
GREENE	Earlton	NY	12058	1	1,524	$	72,412
MADISON	Earlville	NY	13332	2	1,817	$	54,521
ERIE	East Aurora	NY	14052	24	13,534	$	91,791
DELAWARE	East Branch	NY	13756	0	396	$	56,411
COLUMBIA	East Chatham	NY	12060	1	1,084	$	94,257
GREENE	East Durham	NY	12423	0	821	$	62,718
GREENE	East Jewett	NY	12424	0	262	$	55,658
SUFFOLK	East Marion	NY	11939	4	876	$	90,271
DELAWARE	East Meredith	NY	13757	0	988	$	67,999
SUFFOLK	East Moriches	NY	11940	12	4,499	$	115,880
SUFFOLK	East Northport	NY	11731	53	23,469	$	118,137
SUFFOLK	East Quogue	NY	11942	14	3,364	$	113,924
MONROE	East Rochester	NY	14445	21	6,369	$	56,800
NASSAU	East Rockaway	NY	11518	11	8,385	$	119,213
SUFFOLK	Eastport	NY	11941	5	1,813	$	106,482
MADISON	Eaton	NY	13334	1	1,046	$	76,065
OTSEGO	Edmeston	NY	13335	1	1,297	$	66,816
SULLIVAN	Eldred	NY	12732	1	628	$	63,134
ESSEX	Elizabethtown	NY	12932	1	1,198	$	58,373
GREENE	Elka Park	NY	12427	0	453	$	82,492
CLINTON	Ellenburg Center	NY	12934	0	806	$	52,931
CLINTON	Ellenburg Depot	NY	12935	2	1,345	$	76,529
ULSTER	Ellenville	NY	12428	4	5,146	$	59,789
CHAUTAUQUA	Ellington	NY	14732	0	121	$	52,487
ERIE	Elma	NY	14059	6	8,374	$	89,154
CHEMUNG	Elmira	NY	14903	5	5,542	$	68,397
CHEMUNG	Elmira	NY	14904	7	11,983	$	47,555
CHEMUNG	Elmira	NY	14905	3	7,479	$	95,435
CHEMUNG	Elmira	NY	14901	2	13,529	$	40,473
WESTCHESTER	Elmsford	NY	10523	12	7,172	$	106,451
CHEMUNG	Erin	NY	14838	2	1,627	$	60,527
ULSTER	Esopus	NY	12429	1	143	$	91,306
TOMPKINS	Etna	NY	13062	1	174	$	55,388
CAYUGA	Fair Haven	NY	13064	0	20	$	117,655
SULLIVAN	Fallsburg	NY	12733	0	1,257	$	46,080
QUEENS	Far Rockaway	NY	11693	9	9,069	$	64,300
ONTARIO	Farmington	NY	14425	9	8,540	$	72,743
SUFFOLK	Farmingville	NY	11738	46	13,892	$	110,357

SULLIVAN	Ferndale	NY	12734	0	732	$	67,893
DUTCHESS	Fishkill	NY	12524	7	13,585	$	88,860
DELAWARE	Fleischmanns	NY	12430	1	876	$	56,554
NASSAU	Floral Park	NY	11001	22	22,369	$	119,387
QUEENS	Floral Park	NY	11005	1	1,947	$	91,016
ORANGE	Florida	NY	10921	2	3,015	$	96,896
OTSEGO	Fly Creek	NY	13337	1	513	$	94,309
SULLIVAN	Forestburgh	NY	12777	1	741	$	111,116
ORANGE	Fort Montgomery	NY	10922	2	1,214	$	105,215
DELAWARE	Franklin	NY	13775	2	1,281	$	55,400
NASSAU	Franklin Square	NY	11010	26	20,216	$	106,238
GREENE	Freehold	NY	12431	5	1,154	$	66,446
TOMPKINS	Freeville	NY	13068	9	4,828	$	73,749
SULLIVAN	Fremont Center	NY	12736	0	150	$	47,197
QUEENS	Fresh Meadows	NY	11366	9	10,791	$	93,774
ULSTER	Gardiner	NY	12525	8	2,254	$	97,491
ROCKLAND	Garnerville	NY	10923	6	6,783	$	97,805
OTSEGO	Garrattsville	NY	13342	0	174	$	72,737
ONTARIO	Geneva	NY	14456	10	16,567	$	60,364
CAYUGA	Genoa	NY	13071	0	689	$	63,711
OTSEGO	Gilbertsville	NY	13776	0	487	$	64,286
SCHOHARIE	Gilboa	NY	12076	7	1,324	$	64,802
ULSTER	Glasco	NY	12432	0	517	$	65,090
BROOME	Glen Aubrey	NY	13777	1	348	$	53,948
NASSAU	Glen Cove	NY	11542	27	22,553	$	102,049
QUEENS	Glen Oaks	NY	11004	7	11,875	$	99,830
SULLIVAN	Glen Spey	NY	12737	0	1,515	$	72,323
DUTCHESS	Glenham	NY	12527	1	67	$	89,946
ERIE	Glenwood	NY	14069	1	653	$	58,429
ORANGE	Goshen	NY	10924	18	10,802	$	111,640
SULLIVAN	Grahamsville	NY	12740	1	1,386	$	71,257
DELAWARE	Grand Gorge	NY	12434	1	542	$	39,537
CHENANGO	Greene	NY	13778	5	4,752	$	64,799
ULSTER	Greenfield Park	NY	12435	1	298	$	48,104
SUFFOLK	Greenlawn	NY	11740	20	7,159	$	118,116
SUFFOLK	Greenport	NY	11944	12	3,621	$	82,529
ALBANY	Greenville	NY	12083	4	3,081	$	79,809
STEUBEN	Greenwood	NY	14839	0	577	$	59,144
ORANGE	Greenwood Lake	NY	10925	6	3,525	$	90,828
TOMPKINS	Groton	NY	13073	3	5,285	$	68,689
CHENANGO	Guilford	NY	13780	1	902	$	58,809
GREENE	Haines Falls	NY	12436	0	326	$	71,579
DELAWARE	Halcottsville	NY	12438	0	63	$	90,891

DELAWARE	Hamden	NY	13782	1	556	$	56,575
MADISON	Hamilton	NY	13346	5	5,613	$	84,585
STEUBEN	Hammondsport	NY	14840	1	2,628	$	73,768
SUFFOLK	Hampton Bays	NY	11946	35	11,271	$	94,292
DELAWARE	Hancock	NY	13783	2	2,061	$	52,855
SULLIVAN	Hankins	NY	12741	0	227	$	47,182
ALBANY	Hannacroix	NY	12087	0	861	$	64,559
DELAWARE	Harpersfield	NY	13786	0	420	$	59,739
BROOME	Harpursville	NY	13787	0	2,980	$	53,130
ORANGE	Harriman	NY	10926	4	2,754	$	81,483
SULLIVAN	Harris	NY	12742	0	97	$	62,741
OTSEGO	Hartwick	NY	13348	0	990	$	63,737
SUFFOLK	Hauppauge	NY	11788	73	13,033	$	117,103
ROCKLAND	Haverstraw	NY	10927	9	9,522	$	80,163
SCHUYLER	Hector	NY	14841	2	670	$	82,370
GREENE	Hensonville	NY	12439	0	329	$	48,320
ULSTER	High Falls	NY	12440	6	1,985	$	68,737
ULSTER	Highland	NY	12528	12	10,459	$	79,512
ORANGE	Highland Falls	NY	10928	3	3,476	$	84,974
SULLIVAN	Highland Lake	NY	12743	0	222	$	68,390
ULSTER	Highmount	NY	12441	0	24	$	109,757
ROCKLAND	Hillburn	NY	10931	0	729	$	85,484
COLUMBIA	Hillsdale	NY	12529	5	2,263	$	97,278
YATES	Himrod	NY	14842	0	750	$	65,365
DELAWARE	Hobart	NY	13788	1	897	$	54,829
SUFFOLK	Holbrook	NY	11741	60	22,682	$	116,012
ERIE	Holland	NY	14080	5	3,621	$	73,090
QUEENS	Hollis	NY	11423	10	26,392	$	80,672
DUTCHESS	Holmes	NY	12531	4	3,066	$	119,770
SUFFOLK	Holtsville	NY	11742	46	10,498	$	105,948
DUTCHESS	Hopewell Junction	NY	12533	35	20,537	$	117,491
CHEMUNG	Horseheads	NY	14845	25	16,998	$	79,421
SULLIVAN	Hortonville	NY	12745	0	167	$	81,961
QUEENS	Howard Beach	NY	11414	10	23,866	$	88,917
MADISON	Hubbardsville	NY	13355	0	651	$	48,567
ORANGE	Huguenot	NY	12746	0	1,083	$	89,112
LIVINGSTON	Hunt	NY	14846	0	650	$	54,499
GREENE	Hunter	NY	12442	0	599	$	56,805
ULSTER	Hurley	NY	12443	5	3,063	$	97,598
SULLIVAN	Hurleyville	NY	12747	1	1,126	$	69,534
DUTCHESS	Hyde Park	NY	12538	10	11,885	$	82,174
SENECA	Interlaken	NY	14847	3	1,971	$	60,150
NASSAU	Inwood	NY	11096	5	6,312	$	61,307

NASSAU	Island Park	NY	11558	13	7,073	$	94,824
SUFFOLK	Islandia	NY	11749	10	2,756	$	101,948
SUFFOLK	Islip	NY	11751	26	12,106	$	117,386
SUFFOLK	Islip Terrace	NY	11752	8	7,754	$	107,963
QUEENS	Jamaica	NY	11433	1	26,135	$	59,055
QUEENS	Jamaica	NY	11436	1	15,425	$	78,107
SUFFOLK	Jamesport	NY	11947	3	114	$	56,414
STEUBEN	Jasper	NY	14855	0	653	$	57,211
WYOMING	Java Center	NY	14082	0	317	$	53,608
ESSEX	Jay	NY	12941	1	1,252	$	69,450
WESTCHESTEI	Jefferson Valley	NY	10535	0	574	$	75,193
SULLIVAN	Jeffersonville	NY	12748	3	1,454	$	83,882
GREENE	Jewett	NY	12444	2	392	$	53,131
ORANGE	Johnson	NY	10933	0	614	$	90,375
BROOME	Johnson City	NY	13790	12	14,673	$	53,094
CAYUGA	Jordan	NY	13080	2	3,051	$	70,998
SULLIVAN	Kauneonga Lake	NY	12749	1	321	$	63,049
ESSEX	Keene	NY	12942	1	728	$	68,793
ESSEX	Keene Valley	NY	12943	1	158	$	51,998
ESSEX	Keeseville	NY	12944	4	3,531	$	60,776
CLINTON	Keeseville	NY	12924	0	108	$	45,514
SULLIVAN	Kenoza Lake	NY	12750	0	280	$	102,427
ULSTER	Kerhonkson	NY	12446	5	4,009	$	75,656
YATES	Keuka Park	NY	14478	6	1,364	$	86,671
QUEENS	Kew Gardens	NY	11415	5	15,731	$	80,334
SULLIVAN	Kiamesha Lake	NY	12751	1	701	$	53,435
BROOME	Killawog	NY	13794	0	22	$	75,942
CAYUGA	King Ferry	NY	13081	1	893	$	85,633
SUFFOLK	Kings Park	NY	11754	43	15,557	$	119,594
BROOME	Kirkwood	NY	13795	3	3,157	$	76,201
DUTCHESS	Lagrangeville	NY	12540	19	6,132	$	117,222
SUFFOLK	Lake Grove	NY	11755	27	9,982	$	113,728
ULSTER	Lake Hill	NY	12448	1	380	$	119,271
SULLIVAN	Lake Huntington	NY	12752	0	212	$	60,429
ULSTER	Lake Katrine	NY	12449	6	2,725	$	56,719
PUTNAM	Lake Peekskill	NY	10537	2	1,478	$	99,556
ESSEX	Lake Placid	NY	12946	2	4,458	$	70,618
ERIE	Lancaster	NY	14086	24	25,949	$	87,974
TOMPKINS	Lansing	NY	14882	7	3,167	$	105,046
OTSEGO	Laurens	NY	13796	1	1,171	$	58,625
GREENE	Leeds	NY	12451	0	1,368	$	68,460
LIVINGSTON	Leicester	NY	14481	0	1,512	$	56,261
MADISON	Leonardsville	NY	13364	0	77	$	50,249

ESSEX	Lewis	NY	12950	0	820	$	55,407
GREENE	Lexington	NY	12452	0	147	$	40,350
SULLIVAN	Liberty	NY	12754	0	5,357	$	58,911
STEUBEN	Lindley	NY	14858	0	1,312	$	62,064
BROOME	Lisle	NY	13797	4	1,631	$	59,189
ALLEGANY	Little Genesee	NY	14754	0	486	$	46,838
QUEENS	Little Neck	NY	11362	22	15,405	$	99,502
SULLIVAN	Livingston Manor	NY	12758	0	3,746	$	71,819
SULLIVAN	Loch Sheldrake	NY	12759	0	1,348	$	36,156
CAYUGA	Locke	NY	13092	1	2,102	$	66,025
TIOGA	Lockwood	NY	14859	1	731	$	59,430
SENECA	Lodi	NY	14860	2	1,009	$	61,829
DELAWARE	Long Eddy	NY	12760	1	399	$	63,769
QUEENS	Long Island City	NY	11101	89	22,183	$	77,677
CHEMUNG	Lowman	NY	14861	1	1,120	$	62,472
NASSAU	Lynbrook	NY	11563	22	18,835	$	108,933
CLINTON	Lyon Mountain	NY	12952	0	459	$	48,969
CLINTON	Lyon Mountain	NY	12955	0	371	$	67,577
WAYNE	Lyons	NY	14489	6	5,971	$	52,720
WAYNE	Macedon	NY	14502	13	8,455	$	81,898
PUTNAM	Mahopac	NY	10541	29	21,819	$	119,542
BROOME	Maine	NY	13802	0	401	$	79,609
ULSTER	Malden on Hudson	NY	12453	0	179	$	64,398
ONTARIO	Manchester	NY	14504	2	1,426	$	55,264
SUFFOLK	Manorville	NY	11949	60	11,379	$	112,353
GREENE	Maplecrest	NY	12454	0	232	$	64,234
DELAWARE	Margaretville	NY	12455	2	1,945	$	49,727
ERIE	Marilla	NY	14102	2	1,067	$	89,402
WAYNE	Marion	NY	14505	5	4,112	$	67,259
ORANGE	Marlboro	NY	12542	1	4,563	$	77,056
DELAWARE	Masonville	NY	13804	1	436	$	61,633
QUEENS	Maspeth	NY	11378	38	26,023	$	74,249
SUFFOLK	Mastic	NY	11950	22	12,768	$	78,660
SUFFOLK	Mastic Beach	NY	11951	19	10,350	$	74,095
SUFFOLK	Mattituck	NY	11952	25	3,664	$	103,499
ORANGE	Maybrook	NY	12543	1	2,645	$	75,040
CHENANGO	Mc Donough	NY	13801	0	1,006	$	50,312
SUFFOLK	Medford	NY	11763	85	24,198	$	95,896
ALBANY	Medusa	NY	12120	3	484	$	77,063
MONROE	Mendon	NY	14506	2	1,028	$	109,055
DELAWARE	Meridale	NY	13806	1	181	$	67,485
WASHINGTON	Middle Granville	NY	12849	0	549	$	79,731
SUFFOLK	Middle Island	NY	11953	38	10,390	$	80,561

YATES	Middlesex	NY	14507	1	1,084	$	61,914
ORANGE	Middletown	NY	10941	8	10,569	$	79,025
OTSEGO	Milford	NY	13807	0	980	$	75,114
DUTCHESS	Millbrook	NY	12545	3	3,903	$	94,285
DUTCHESS	Millerton	NY	12546	5	2,470	$	76,122
CHEMUNG	Millport	NY	14864	1	1,029	$	67,105
ULSTER	Milton	NY	12547	1	2,578	$	86,128
NASSAU	Mineola	NY	11501	20	15,986	$	104,018
ULSTER	Modena	NY	12548	1	1,224	$	62,617
WESTCHESTEI	Mohegan Lake	NY	10547	6	5,708	$	106,680
SULLIVAN	Mongaup Valley	NY	12762	0	238	$	56,093
ROCKLAND	Monsey	NY	10952	36	24,610	$	79,502
SUFFOLK	Montauk	NY	11954	7	3,200	$	93,491
CAYUGA	Montezuma	NY	13117	0	230	$	58,992
ORANGE	Montgomery	NY	12549	15	8,444	$	102,677
SULLIVAN	Monticello	NY	12701	1	9,009	$	49,859
SCHUYLER	Montour Falls	NY	14865	3	2,269	$	48,436
WESTCHESTEI	Montrose	NY	10548	4	2,606	$	106,955
CLINTON	Mooers	NY	12958	2	1,565	$	48,851
CLINTON	Mooers Forks	NY	12959	0	1,215	$	62,228
SUFFOLK	Moriches	NY	11955	9	2,690	$	81,713
OTSEGO	Morris	NY	13808	1	1,305	$	59,973
CLINTON	Morrisonville	NY	12962	3	4,545	$	81,459
ULSTER	Mount Marion	NY	12456	0	517	$	57,216
ULSTER	Mount Tremper	NY	12457	2	802	$	65,222
OTSEGO	Mount Upton	NY	13809	1	1,515	$	59,199
WESTCHESTEI	Mount Vernon	NY	10552	17	16,642	$	92,459
WESTCHESTEI	Mount Vernon	NY	10553	1	8,635	$	76,480
OTSEGO	Mount Vision	NY	13810	1	950	$	47,557
SULLIVAN	Mountain Dale	NY	12763	1	577	$	62,367
ORANGE	Mountainville	NY	10953	2	94	$	114,150
ROCKLAND	Nanuet	NY	10954	22	19,616	$	109,321
ULSTER	Napanoch	NY	12458	2	2,687	$	58,712
STEUBEN	Naples	NY	14512	6	3,907	$	65,274
SULLIVAN	Narrowsburg	NY	12764	1	1,505	$	73,075
SULLIVAN	Neversink	NY	12765	0	926	$	83,069
GREENE	New Baltimore	NY	12124	1	555	$	109,666
CHENANGO	New Berlin	NY	13411	0	2,884	$	51,188
ORANGE	New Hampton	NY	10958	3	2,496	$	98,481
DELAWARE	New Kingston	NY	12459	1	151	$	60,026
COLUMBIA	New Lebanon	NY	12125	1	1,297	$	68,078
OTSEGO	New Lisbon	NY	13415	0	54	$	50,663
ULSTER	New Paltz	NY	12561	37	16,442	$	87,150

WESTCHESTEI	New Rochelle	NY	10805	12	15,766	$	76,844
SUFFOLK	New Suffolk	NY	11956	1	304	$	89,750
ORANGE	New Windsor	NY	12553	22	20,964	$	88,916
NEW YORK	New York	NY	10030	4	24,086	$	53,229
NEW YORK	New York	NY	10036	12	24,503	$	115,834
NEW YORK	New York	NY	10037	2	15,041	$	50,691
NEW YORK	New York	NY	10039	1	20,716	$	52,332
NEW YORK	New York	NY	10044	1	10,615	$	116,875
WAYNE	Newark	NY	14513	6	11,369	$	49,935
TIOGA	Newark Valley	NY	13811	4	3,661	$	79,796
ESSEX	Newcomb	NY	12852	0	406	$	54,603
TOMPKINS	Newfield	NY	14867	4	4,772	$	57,075
TIOGA	Nichols	NY	13812	0	1,940	$	58,372
BROOME	Nineveh	NY	13813	2	479	$	51,421
SUFFOLK	North Babylon	NY	11703	21	13,078	$	97,439
SULLIVAN	North Branch	NY	12766	0	445	$	81,873
MADISON	North Brookfield	NY	13418	0	236	$	71,631
MONROE	North Chili	NY	14514	4	5,174	$	75,240
WAYNE	North Rose	NY	14516	1	2,114	$	77,146
CHENANGO	Norwich	NY	13815	7	11,066	$	55,982
LIVINGSTON	Nunda	NY	14517	0	2,336	$	50,904
ROCKLAND	Nyack	NY	10960	39	12,422	$	112,055
GREENE	Oak Hill	NY	12460	0	191	$	62,367
SUFFOLK	Oakdale	NY	11769	13	7,158	$	105,568
SULLIVAN	Obernburg	NY	12767	0	31	$	115,756
NASSAU	Oceanside	NY	11572	35	23,912	$	113,474
SCHUYLER	Odessa	NY	14869	0	1,036	$	59,411
ULSTER	Olivebridge	NY	12461	6	1,520	$	87,361
DELAWARE	Oneonta	NY	13820	6	19,892	$	59,696
WAYNE	Ontario	NY	14519	15	9,339	$	70,721
ROCKLAND	Orangeburg	NY	10962	14	4,797	$	111,813
SUFFOLK	Orient	NY	11957	3	685	$	95,914
MADISON	Oriskany Falls	NY	13425	0	1,804	$	69,530
WESTCHESTEI	Ossining	NY	10562	34	25,534	$	102,513
OTSEGO	Otego	NY	13825	3	2,992	$	59,359
ORANGE	Otisville	NY	10963	3	3,747	$	83,284
SENECA	Ovid	NY	14521	3	1,963	$	60,888
TIOGA	Owego	NY	13827	11	9,998	$	72,107
CHENANGO	Oxford	NY	13830	3	4,332	$	56,688
QUEENS	Ozone Park	NY	11416	3	20,729	$	72,849
QUEENS	Ozone Park	NY	11417	6	26,102	$	79,020
STEUBEN	Painted Post	NY	14870	10	8,109	$	81,158
GREENE	Palenville	NY	12463	2	973	$	64,851

WAYNE	Palmyra	NY	14522	2	7,713	$	59,075
SULLIVAN	Parksville	NY	12768	0	621	$	65,381
PUTNAM	Patterson	NY	12563	9	6,984	$	90,936
DUTCHESS	Pawling	NY	12564	5	5,741	$	104,812
ROCKLAND	Pearl River	NY	10965	17	12,156	$	113,464
WESTCHESTEI	Peekskill	NY	10566	21	19,251	$	76,305
MONROE	Penfield	NY	14526	25	16,290	$	101,876
YATES	Penn Yan	NY	14527	8	10,011	$	62,593
STEUBEN	Perkinsville	NY	14529	0	183	$	81,523
CLINTON	Peru	NY	12972	7	4,963	$	85,191
MADISON	Peterboro	NY	13134	0	83	$	52,443
ONTARIO	Phelps	NY	14532	1	3,673	$	67,574
SULLIVAN	Phillipsport	NY	12769	0	111	$	61,854
COLUMBIA	Philmont	NY	12565	1	1,093	$	60,569
ULSTER	Phoenicia	NY	12464	0	710	$	64,009
WYOMING	Pike	NY	14130	0	123	$	50,746
ORANGE	Pine Bush	NY	12566	8	7,897	$	91,844
CHEMUNG	Pine City	NY	14871	3	4,639	$	69,404
ULSTER	Pine Hill	NY	12465	0	175	$	80,618
DUTCHESS	Pine Plains	NY	12567	4	2,592	$	93,673
CHEMUNG	Pine Valley	NY	14872	0	564	$	63,636
CLINTON	Plattsburgh	NY	12903	5	1,020	$	59,685
DUTCHESS	Pleasant Valley	NY	12569	11	8,301	$	90,542
CHENANGO	Plymouth	NY	13832	0	620	$	42,803
ROCKLAND	Pomona	NY	10970	14	7,960	$	99,088
SULLIVAN	Pond Eddy	NY	12770	0	165	$	63,382
CAYUGA	Port Byron	NY	13140	4	3,563	$	56,066
BROOME	Port Crane	NY	13833	0	3,706	$	59,941
ULSTER	Port Ewen	NY	12466	3	1,884	$	80,594
ONTARIO	Port Gibson	NY	14537	0	135	$	93,966
SUFFOLK	Port Jefferson Station	NY	11776	55	20,609	$	105,650
ORANGE	Port Jervis	NY	12771	8	11,412	$	64,175
ESSEX	Port Kent	NY	12975	1	303	$	78,114
WYOMING	Portageville	NY	14536	0	435	$	48,690
STEUBEN	Prattsburgh	NY	14873	0	2,219	$	54,940
GREENE	Prattsville	NY	12468	0	950	$	53,753
STEUBEN	Pulteney	NY	14874	0	195	$	45,347
WESTCHESTEI	Purdys	NY	10578	1	591	$	112,044
GREENE	Purling	NY	12470	0	440	$	54,173
QUEENS	Queens Village	NY	11427	9	19,691	$	83,020
QUEENS	Queens Village	NY	11428	4	16,564	$	75,806
QUEENS	Queens Village	NY	11429	4	21,884	$	82,902
CAYUGA	Red Creek	NY	13143	0	2,335	$	51,836

CLINTON	Redford	NY	12978	0	201	$	52,141
SUFFOLK	Remsenburg	NY	11960	8	569	$	104,623
ALBANY	Rensselaerville	NY	12147	0	377	$	74,037
STEUBEN	Rexville	NY	14877	1	366	$	62,732
DUTCHESS	Rhinebeck	NY	12572	20	7,874	$	108,746
DUTCHESS	Rhinecliff	NY	12574	1	162	$	92,708
HERKIMER	Richfield Springs	NY	13439	0	3,154	$	55,721
TIOGA	Richford	NY	13835	1	1,075	$	60,670
SUFFOLK	Ridge	NY	11961	35	10,235	$	76,035
ULSTER	Rifton	NY	12471	0	374	$	46,540
SUFFOLK	Riverhead	NY	11901	53	25,825	$	74,287
MONROE	Rochester	NY	14604	5	1,617	$	25,298
MONROE	Rochester	NY	14606	23	22,282	$	49,190
MONROE	Rochester	NY	14607	18	15,587	$	57,494
MONROE	Rochester	NY	14608	5	9,227	$	31,184
MONROE	Rochester	NY	14610	41	11,829	$	86,049
MONROE	Rochester	NY	14611	5	12,666	$	33,511
MONROE	Rochester	NY	14613	9	9,358	$	39,373
MONROE	Rochester	NY	14615	59	12,892	$	45,973
MONROE	Rochester	NY	14616	20	23,639	$	57,627
MONROE	Rochester	NY	14617	37	18,520	$	75,160
MONROE	Rochester	NY	14619	9	10,943	$	53,138
MONROE	Rochester	NY	14622	8	10,225	$	61,465
MONROE	Rochester	NY	14625	26	8,401	$	99,226
MONROE	Rochester	NY	14626	35	25,014	$	68,382
MONROE	Rochester	NY	14605	2	9,151	$	28,895
MONROE	Rochester	NY	14614	0	1,165	$	29,385
MONROE	Rochester	NY	14621	4	26,179	$	33,967
SULLIVAN	Rock Hill	NY	12775	5	2,023	$	99,945
SCHUYLER	Rock Stream	NY	14878	1	496	$	85,291
QUEENS	Rockaway Park	NY	11694	15	16,899	$	100,077
SUFFOLK	Rocky Point	NY	11778	33	9,463	$	100,827
SENECA	Romulus	NY	14541	2	3,649	$	68,443
NASSAU	Roosevelt	NY	11575	5	12,429	$	79,235
SULLIVAN	Roscoe	NY	12776	2	1,746	$	71,257
WAYNE	Rose	NY	14542	0	45	$	53,860
QUEENS	Rosedale	NY	11422	6	26,146	$	92,702
ULSTER	Rosendale	NY	12472	0	1,358	$	64,513
GREENE	Round Top	NY	12473	2	949	$	101,493
CLINTON	Rouses Point	NY	12979	1	1,923	$	74,150
DELAWARE	Roxbury	NY	12474	1	1,059	$	53,013
ULSTER	Ruby	NY	12475	1	190	$	54,160
ALLEGANY	Rushford	NY	14777	0	536	$	52,026

YATES	Rushville	NY	14544	1	1,841	$	69,036
ORANGE	Salisbury Mills	NY	12577	1	1,097	$	103,719
DUTCHESS	Salt Point	NY	12578	5	1,950	$	99,928
ERIE	Sardinia	NY	14134	0	87	$	84,919
ULSTER	Saugerties	NY	12477	28	15,825	$	77,607
WAYNE	Savannah	NY	13146	0	1,614	$	51,789
STEUBEN	Savona	NY	14879	3	1,737	$	57,372
CLINTON	Schuyler Falls	NY	12985	1	1,020	$	56,994
CAYUGA	Scipio Center	NY	13147	0	1,062	$	88,228
SUFFOLK	Selden	NY	11784	51	20,897	$	93,273
SENECA	Seneca Falls	NY	13148	7	8,783	$	61,948
GREENE	Shandaken	NY	12480	0	778	$	62,197
CHENANGO	Sherburne	NY	13460	2	3,353	$	54,871
SUFFOLK	Shirley	NY	11967	24	21,136	$	88,970
ULSTER	Shokan	NY	12481	4	1,208	$	68,360
ONTARIO	Shortsville	NY	14548	1	3,080	$	64,409
WESTCHESTER	Shrub Oak	NY	10588	2	2,357	$	90,726
DELAWARE	Sidney	NY	13838	1	3,770	$	48,069
DELAWARE	Sidney Center	NY	13839	4	930	$	45,510
WYOMING	Silver Lake	NY	14549	0	19	$	48,193
WYOMING	Silver Springs	NY	14550	0	1,463	$	85,986
ORANGE	Slate Hill	NY	10973	3	2,090	$	100,620
TOMPKINS	Slaterville Springs	NY	14881	1	278	$	74,216
ROCKLAND	Sloatsburg	NY	10974	0	2,574	$	107,686
SULLIVAN	Smallwood	NY	12778	0	277	$	85,548
CHENANGO	Smithville Flats	NY	13841	1	521	$	50,725
CHENANGO	Smyrna	NY	13464	2	1,036	$	54,694
WAYNE	Sodus	NY	14551	4	4,648	$	54,395
WAYNE	Sodus Point	NY	14555	2	889	$	66,719
SUFFOLK	Sound Beach	NY	11789	14	6,227	$	101,588
GREENE	South Cairo	NY	12482	0	581	$	45,122
SULLIVAN	South Fallsburg	NY	12779	4	1,559	$	46,927
DELAWARE	South Kortright	NY	13842	0	527	$	73,491
OTSEGO	South New Berlin	NY	13843	2	1,591	$	56,051
CHENANGO	South Plymouth	NY	13844	1	554	$	51,325
ERIE	South Wales	NY	14139	1	1,867	$	75,961
ROCKLAND	Sparkill	NY	10976	1	1,964	$	86,696
ORANGE	Sparrow Bush	NY	12780	1	1,611	$	45,075
TOMPKINS	Spencer	NY	14883	5	3,176	$	63,245
COLUMBIA	Spencertown	NY	12165	0	126	$	95,192
ULSTER	Spring Glen	NY	12483	0	284	$	48,983
OTSEGO	Springfield Center	NY	13468	1	298	$	66,780
DUTCHESS	Staatsburg	NY	12580	11	3,753	$	99,685

DUTCHESS	Stanfordville	NY	12581	3	1,655	$	113,376
ONTARIO	Stanley	NY	14561	0	2,401	$	81,197
RICHMOND	Staten Island	NY	10302	9	14,013	$	70,739
RICHMOND	Staten Island	NY	10303	8	18,438	$	62,834
RICHMOND	Staten Island	NY	10307	12	11,690	$	96,729
RICHMOND	Staten Island	NY	10308	15	24,981	$	98,769
RICHMOND	Staten Island	NY	10309	31	26,092	$	109,210
RICHMOND	Staten Island	NY	10310	10	18,670	$	84,186
RENSSELAER	Stephentown	NY	12168	1	1,578	$	71,752
ORANGE	Sterling Forest	NY	10979	0	234	$	59,260
ULSTER	Stone Ridge	NY	12484	4	2,390	$	83,435
ROCKLAND	Stony Point	NY	10980	12	11,286	$	115,301
DUTCHESS	Stormville	NY	12582	7	4,994	$	106,865
WYOMING	Strykersville	NY	14145	1	1,413	$	64,389
ROCKLAND	Suffern	NY	10901	31	18,788	$	119,279
SULLIVAN	Summitville	NY	12781	0	181	$	51,038
QUEENS	Sunnyside	NY	11104	4	22,835	$	70,828
GREENE	Surprise	NY	12176	0	374	$	72,061
ALLEGANY	Swain	NY	14884	0	163	$	58,506
SULLIVAN	Swan Lake	NY	12783	1	1,995	$	69,608
GREENE	Tannersville	NY	12485	0	878	$	62,062
ULSTER	Tillson	NY	12486	0	1,120	$	90,791
DELAWARE	Treadwell	NY	13846	1	220	$	54,195
STEUBEN	Troupsburg	NY	14885	0	673	$	53,940
SCHUYLER	Trumansburg	NY	14886	18	5,972	$	77,819
ULSTER	Ulster Park	NY	12487	6	2,849	$	85,527
DELAWARE	Unadilla	NY	13849	2	3,133	$	57,969
CAYUGA	Union Springs	NY	13160	0	1,742	$	70,403
NASSAU	Uniondale	NY	11553	9	20,678	$	88,451
ORANGE	Unionville	NY	10988	0	601	$	86,298
ESSEX	Upper Jay	NY	12987	0	229	$	47,394
ROCKLAND	Valley Cottage	NY	10989	18	8,033	$	116,982
CHEMUNG	Van Etten	NY	14889	1	1,319	$	61,359
WESTCHESTEI	Verplanck	NY	10596	0	1,280	$	68,625
BROOME	Vestal	NY	13850	16	18,479	$	79,395
SUFFOLK	Wainscott	NY	11975	8	342	$	107,635
ORANGE	Walden	NY	12586	5	10,192	$	83,164
ERIE	Wales Center	NY	14169	0	189	$	43,847
ORANGE	Wallkill	NY	12589	11	14,989	$	92,062
DELAWARE	Walton	NY	13856	5	4,991	$	48,491
WAYNE	Walworth	NY	14568	3	4,652	$	83,119
ORANGE	Warwick	NY	10990	41	15,852	$	118,403
ORANGE	Washingtonville	NY	10992	11	7,426	$	100,547

DUTCHESS	Wassaic	NY	12592	3	1,081	$	73,013
SENECA	Waterloo	NY	13165	2	8,474	$	59,762
JEFFERSON	Watertown	NY	13603	2	6,704	$	51,826
ONEIDA	Waterville	NY	13480	1	2,864	$	56,813
SCHUYLER	Watkins Glen	NY	14891	3	3,637	$	55,671
TIOGA	Waverly	NY	14892	5	6,581	$	62,662
ULSTER	Wawarsing	NY	12489	1	1,042	$	63,132
STEUBEN	Wayland	NY	14572	3	4,065	$	52,371
CAYUGA	Weedsport	NY	13166	3	4,546	$	64,928
OTSEGO	Wells Bridge	NY	13859	0	195	$	50,718
CHEMUNG	Wellsburg	NY	14894	0	1,104	$	49,612
CLINTON	West Chazy	NY	12992	1	4,133	$	59,648
GREENE	West Coxsackie	NY	12192	4	1,511	$	85,863
MADISON	West Eaton	NY	13484	0	105	$	78,033
MADISON	West Edmeston	NY	13485	0	859	$	50,577
ERIE	West Falls	NY	14170	2	2,069	$	73,778
ROCKLAND	West Haverstraw	NY	10993	1	3,952	$	80,309
NASSAU	West Hempstead	NY	11552	27	19,100	$	117,036
ULSTER	West Hurley	NY	12491	2	1,407	$	71,684
GREENE	West Kill	NY	12492	0	311	$	57,137
COLUMBIA	West Lebanon	NY	12195	0	157	$	51,013
OTSEGO	West Oneonta	NY	13861	0	309	$	92,300
ULSTER	West Park	NY	12493	0	283	$	79,749
ORANGE	West Point	NY	10996	2	5,419	$	114,831
SUFFOLK	West Sayville	NY	11796	6	3,263	$	118,922
ULSTER	West Shokan	NY	12494	0	641	$	69,368
ORANGE	Westbrookville	NY	12785	0	752	$	67,128
ORANGE	Westtown	NY	10998	4	2,136	$	100,366
SULLIVAN	White Lake	NY	12786	0	299	$	39,475
WESTCHESTEI	White Plains	NY	10601	47	9,682	$	112,517
WESTCHESTEI	White Plains	NY	10603	26	14,047	$	118,545
WESTCHESTEI	White Plains	NY	10606	18	13,906	$	102,720
SULLIVAN	White Sulphur Springs	NY	12787	2	341	$	81,195
BROOME	Whitney Point	NY	13862	0	3,573	$	67,891
SENECA	Willard	NY	14588	0	741	$	75,296
CORTLAND	Willet	NY	13863	0	592	$	63,254
WAYNE	Williamson	NY	14589	4	6,128	$	71,200
ULSTER	Willow	NY	12495	1	336	$	96,180
ESSEX	Willsboro	NY	12996	2	1,749	$	51,995
TIOGA	Willseyville	NY	13864	3	821	$	55,324
GREENE	Windham	NY	12496	1	1,416	$	69,683
BROOME	Windsor	NY	13865	1	5,237	$	69,355
DUTCHESS	Wingdale	NY	12594	1	3,509	$	78,313

WAYNE	Wolcott	NY	14590	1	4,133	$	56,442
SULLIVAN	Woodbourne	NY	12788	4	2,581	$	51,559
STEUBEN	Woodhull	NY	14898	0	1,324	$	47,393
SULLIVAN	Woodridge	NY	12789	1	1,380	$	64,408
ULSTER	Woodstock	NY	12498	12	4,322	$	111,598
SULLIVAN	Wurtsboro	NY	12790	3	4,003	$	59,990
SUFFOLK	Wyandanch	NY	11798	13	11,986	$	84,621
SUFFOLK	Yaphank	NY	11980	74	4,521	$	103,092
WESTCHESTEI	Yonkers	NY	10703	8	16,634	$	71,365
WESTCHESTEI	Yonkers	NY	10704	23	25,816	$	82,446
WESTCHESTEI	Yonkers	NY	10710	15	23,041	$	101,745
SULLIVAN	Youngsville	NY	12791	0	514	$	71,834
SULLIVAN	Yulan	NY	12792	0	240	$	46,018

Niagara Mohawk	Population over 16		Mean Household Income
Average	5,064	$	66,054
SD	7,336	$	18,009
- 3 SD	0	$	12,027
+ 3 SD	27,071		120,081

APPENDIX 8

HIGH RISK SECTIONS PART 255		
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Material - General	255.53(a),(b),(c)	HIGH
Transportation of Pipe	255.65	HIGH
Pipe Design - General	255.103	HIGH
Design of Components - General Requirements	255.143	HIGH
Design of Components - Flexibility	255.159	HIGH
Design of Components - Supports and anchors	255.161	HIGH
Compressor Stations: Emergency shutdown	255.167	HIGH
Compressor Stations: Pressure limiting devices	255.169	HIGH
Compressor Stations: Ventilation	255.173	HIGH
Valves on pipelines to operate at 125 psig or more	255.179	HIGH
Distribution line valves	255.181	HIGH
Vaults: Structural Design requirements	255.183	HIGH
Vaults: Drainage and waterproofing	255.189	HIGH
Protection against accidental overpressuring	255.195	HIGH
Control of the pressure of gas delivered from high pressure distribution systems	255.197	HIGH
Requirements for design of pressure relief and limiting devices	255.199	HIGH
Required capacity of pressure relieving and limiting stations	255.201	HIGH
Qualification of welding procedures	255.225	HIGH
Qualification of Welders	255.227	HIGH
Protection from weather	255.231	HIGH
Miter Joints	255.233	HIGH
Preparation for welding	255.235	HIGH
Inspection and test of welds	255.241(a),(b)	HIGH
Nondestructive testing-Pipeline to operate at 125 PSIG or more	255.243(a)-(e)	HIGH
Welding inspector	255.244(a),(b),(c)	HIGH
Repair or removal of defects	255.245	HIGH
Joining Of Materials Other Than By Welding - General	255.273	HIGH
Joining Of Materials Other Than By Welding - Copper Pipe	255.279	HIGH
Joining Of Materials Other Than By Welding - Plastic Pipe	255.281	HIGH
Plastic pipe: Qualifying persons to make joints	255.285(a),(b),(d)	HIGH
Notification requirements	255.302	HIGH
Compliance with construction standards	255.303	HIGH
Inspection: General	255.305	HIGH
Inspection of materials	255.307	HIGH
Repair of steel pipe	255.309	HIGH
Repair of plastic pipe	255.311	HIGH
Bends and elbows	255.313(a),(b),(c)	HIGH
Wrinkle bends in steel pipe	255.315	HIGH
Installation of plastic pipe	255.321	HIGH
Underground clearance	255.325	HIGH
Customer meters and service regulators: Installation	255.357(d)	HIGH
Service lines: Installation	255.361(e),(f),(g),(h),(i)	HIGH
Service lines: Location of valves	255.365(b)	HIGH
External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.455(d),(e)	HIGH
External corrosion control: Buried or submerged pipelines installed before August 1, 1971	255.457	HIGH
External corrosion control: Protective coating	255.461(c)	HIGH
External corrosion control: Cathodic protection	255.463	HIGH
External corrosion control: Monitoring	255.465(a),(e)	HIGH
Internal corrosion control: Design and construction of transmission line	255.476(a),(c)	HIGH
Remedial measures: General	255.483	HIGH
Remedial measures: transmission lines	255.485(a),(b)	HIGH
Strength test requirements for steel pipelines to operate at 125 PSIG or more	255.505(a),(b),(c),(d)	HIGH
General requirements (UPGRADES)	255.553 (a),(b),(c),(f)	HIGH
Upgrading to a pressure of 125 PSIG or more in steel pipelines	255.555	HIGH
Upgrading to a pressure less than 125 PSIG	255.557	HIGH
Conversion to service subject to this Part	255.559(a)	HIGH
General provisions	255.603	HIGH
Operator Qualification	255.604	HIGH
Essentials of operating and maintenance plan	255.605	HIGH
Change in class location: Required study	255.609	HIGH
Damage prevention program	255.614	HIGH
Emergency Plans	255.615	HIGH

Customer education and information program	255.616	HIGH
Maximum allowable operating pressure: Steel or plastic pipelines	255.619	HIGH
Maximum allowable operating pressure: High pressure distribution systems	255.621	HIGH
Maximum and minimum allowable operating pressure: Low pressure distribution systems	255.623	HIGH
Odorization of gas	255.625(a),(b)	HIGH
Tapping pipelines under pressure	255.627	HIGH
Purging of pipelines	255.629	HIGH
Control Room Management	255.631(a)	HIGH
Transmission lines: Patrolling	255.705	HIGH
Leakage Surveys - Transmission	255.706	HIGH
Transmission lines: General requirements for repair procedures	255.711	HIGH
Transmission lines: Permanent field repair of imperfections and damages	255.713	HIGH
Transmission lines: Permanent field repair of welds	255.715	HIGH
Transmission lines: Permanent field repair of leaks	255.717	HIGH
Transmission lines: Testing of repairs	255.719	HIGH
Distribution systems: Leak surveys and procedures	255.723	HIGH
Compressor stations: procedures	255.729	HIGH
Compressor stations: Inspection and testing relief devices	255.731	HIGH
Compressor stations: Additional inspections	255.732	HIGH
Compressor stations: Gas detection	255.736	HIGH
Pressure limiting and regulating stations: Inspection and testing	255.739(a),(b)	HIGH
Regulator Station Overpressure Protection	255.743(a),(b)	HIGH
Transmission Line Valves	255.745	HIGH
Prevention of accidental ignition	255.751	HIGH
Protecting cast iron pipelines	255.755	HIGH
Replacement of exposed or undermined cast iron piping	255.756	HIGH
Replacement of cast iron mains paralleling excavations	255.757	HIGH
Leaks: Records	255.807(d)	HIGH
Leaks: Instrument sensitivity verification	255.809	HIGH
Leaks: Type 1	255.811(b),(c),(d),(e)	HIGH
Leaks: Type 2A	255.813(b),(c),(d)	HIGH
Leaks: Type 2	255.815(b),(c),(d)	HIGH
Leak Follow-up	255.819(a)	HIGH
High Consequence Areas	255.905	HIGH
Required Elements (IMP)	255.911	HIGH
Knowledge and Training (IMP)	255.915	HIGH
Identification of Potential Threats to Pipeline Integrity and Use of the Threat Identification in an Integrity Program (IMP)	255.917	HIGH
Baseline Assessment Plan(IMP)	255.919	HIGH
Conducting a Baseline Assessment (IMP)	255.921	HIGH
Direct Assessment (IMP)	255.923	HIGH
External Corrosion Direct Assessment (ECDA) (IMP)	255.925	HIGH
Internal Corrosion Direct Assessment (ICDA) (IMP)	255.927	HIGH
Confirmatory Direct Assessment (CDA) (IMP)	255.931	HIGH
Addressing Integrity Issues (IMP)	255.933	HIGH
Preventive and Mitigative Measures to Protect the High Consequence Areas (IMP)	255.935	HIGH
Continual Process of Evaluation and Assessment (IMP)	255.937	HIGH
Reassessment Intervals (IMP)	255.939	HIGH
General requirements of a GDPIM plan	255.1003	HIGH
Implementation requirements of a GDPIM plan.	255.1005	HIGH
Required elements of a GDPIM plan.	255.1007	HIGH
Required report when compression couplings fail.	255.1009	HIGH
Requirements a small liquefied petroleum gas (LPG) operator must satisfy to implement a GDPIM plan	255.1015	HIGH

HIGH RISK SECTIONS PART 261		
Operation and maintenance plan	261.15	HIGH
Leakage Survey	261.17(a),(c)	HIGH
Carbon monoxide prevention	261.21	HIGH
Warning tag procedures	261.51	HIGH
HEFPA Liaison	261.53	HIGH
Warning Tag Inspection	261.55	HIGH
Warning tag: Class A condition	261.57	HIGH
Warning tag: Class B condition	261.59	HIGH

OTHER RISK SECTIONS PART 255		
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Preservation of records	255.17	OTH
Compressor station: Design and construction	255.163	OTH
Compressor station: Liquid removal	255.165	OTH
Compressor stations: Additional safety equipment	255.171	OTH
Vaults: Accessibility	255.185	OTH
Vaults: Sealing, venting, and ventilation	255.187	OTH
Calorimeter or calorimeter structures	255.190	OTH
Design pressure of plastic fittings	255.191	OTH
Valve installtion in plastic pipe	255.193	OTH
Instrument, control, and sampling piping and components	255.203	OTH
Limitations On Welders	255.229	OTH
Quality assurance program	255.230	OTH
Preheating	255.237	OTH
Stress relieving	255.239	OTH
Inspection and test of welds	255.241(c)	OTH
Nondestructive testing-Pipeline to operate at 125 PSIG or more	255.243(f)	OTH
Plastic pipe: Qualifying joining procedures	255.283	OTH
Plastic pipe: Qualifying persons to make joints	255.285(c)(e)	OTH
Plastic pipe: Inspection of joints	255.287	OTH
Bends and elbows	255.313(d)	OTH
Protection from hazards	255.317	OTH
Installation of pipe in a ditch	255.319	OTH
Casing	255.323	OTH
Cover	255.327	OTH
Customer meters and regulators: Location	255.353	OTH
Customer meters and regulators: Protection from damage	255.355	OTH
Customer meters and service regulators: Installation	255.357(a)-(c)	OTH
Customer meter installations: Operating pressure	255.359	OTH
Service lines: Installation	255.361(a), (b), (c), (d)	OTH
Service lines: valve requirements	255.363	OTH
Service lines: Location of valves	255.365(a), (c)	OTH
Service lines: General requirements for connections to main piping	255.367	OTH
Service lines: Connections to cast iron or ductile iron mains	255.369	OTH
Service lines: Steel	255.371	OTH
Service lines: Cast iron and ductile iron	255.373	OTH
Service lines: Plastic	255.375	OTH
Service lines: Copper	255.377	OTH
New service lines not in use	255.379	OTH
Service lines: excess flow valve performance standards	255.381	OTH
External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.455 (a)	OTH
External corrosion control: Examination of buried pipeline when exposed	255.459	OTH
External corrosion control: Protective coating	255.461(a), (b), (d), (e), (f), (g)	OTH
External corrosion control: Monitoring	255.465 (b)(c)(d)(f)	OTH
External corrosion control: Electrical isolation	255.467	OTH
External corrosion control: Test stations	255.469	OTH
External corrosion control: Test lead	255.471	OTH
External corrosion control: Interference currents	255.473	OTH
Internal corrosion control: General	255.475(a)(b)	OTH
Atmospheric corrosion control: General	255.479	OTH
Atmospheric corrosion control: Monitoring	255.481	OTH
Remedial measures: transmission lines	255.485(c)	OTH
Remedial measures: Pipelines lines other than cast iron or ductile iron lines	255.487	OTH
Remedial measures: Cast iron and ductile iron pipelines	255.489	OTH
Direct Assessment	255.490	OTH
Corrosion control records	255.491	OTH
General requirements (TESTING)	255.503	OTH
Strength test requirements for steel pipelines to operate at 125 PSIG or more	255.505 (e),(h), (i)	OTH
Test requirements for pipelines to operate at less than 125 PSIG	255.507	OTH
Test requirements for service lines	255.511	OTH
Environmental protection and safety requirements	255.515	OTH
Records (TESTING)	255.517	OTH
Notification requirements (UPGRADES)	255.552	OTH
General requirements (UPGRADES)	255.553 (d)(e)	OTH
Conversion to service subject to this Part	255.559(b)	OTH

Change in class location: Confirmation or revision of maximum allowable operating pressure	255.611(a), (d)	OTH
Continuing surveillance	255.613	OTH
Odorization	255.625 (e)(f)	OTH
Pipeline Markers	255.707(a),(c),(d),(e)	OTH
Transmission lines: Record keeping	255.709	OTH
Distribution systems: Patrolling	255.721(b)	OTH
Test requirements for reinstating service lines	255.725	OTH
Inactive Services	255.726	OTH
Abandonment or inactivation of facilities	255.727(b)-(g)	OTH
Compressor stations: storage of combustible materials	255.735	OTH
Pressure limiting and regulating stations: Inspection and testing	255.739 (c), (d)	OTH
Pressure limiting and regulating stations: Telemetering or recording gauges	255.741	OTH
Regulator Station MAOP	255.743 (c)	OTH
Service Regulator - Min.& Oper. Load, Vents	255.744	OTH
Distribution Line Valves	255.747	OTH
Valve maintenance: Service line valves	255.748	OTH
Regulator Station Vaults	255.749	OTH
Caulked bell and spigot joints	255.753	OTH
Reports of accidents	255.801	OTH
Emergency lists of operator personnel	255.803	OTH
Leaks General	255.805 (a), (b), (e), (g), (h)	OTH
Leaks: Records	255.807(a)-(c)	OTH
Type 3	255.817	OTH
Interruptions of service	255.823 (a)-(b)	OTH
Logging and analysis of gas emergency reports	255.825	OTH
Annual Report	255.829	OTH
Reporting safety-related conditions	255.831	OTH
General (IMP)	255.907	OTH
Changes to an Integrity Management Program (IMP)	255.909	OTH
Low Stress Reassessment (IMP)	255.941	OTH
Measuring Program Effectiveness (IMP)	255.945	OTH
Records (IMP)	255.947	OTH
Records an operator must keep	255.1011	OTH

OTHER RISK SECTIONS PART 261		
High Pressure Piping - Annual Notice	261.19	OTH
Warning tag: Class C condition	261.61	OTH
Warning tag: Action and follow-up	261.63(a)-(h)	OTH
Warning Tag Records	261.65	OTH

APPENDIX 9

Electric and Gas Pension and OPEB Expense Provisions

1. Niagara Mohawk will determine the percentage of pension and OPEB costs that will be capitalized, and the corresponding entries into the pension and OPEB deferral accounts, using the methodology set forth herein. For both the electric and gas segments, the percentage of pension and OPEB costs to be capitalized will be determined as follows:

a. The Company will calculate a capitalization rate at the beginning of each fiscal year using the actuarial estimates of pension and OPEB expenses for the year, along with all other fringe benefit costs subject to capitalization, and will adjust this rate for updated actuarial and other estimates provided in September of each year. The rate may also be adjusted at other times throughout the year if there is a fluctuation in the rate of greater than +/- 20 percent.

b. After the close of each fiscal year, the Company will compare the amount of fringe benefits (including pension and OPEB costs), payroll taxes, and workers compensation actually capitalized on the books using actual fiscal year results to the amount that would be capitalized if the calculation used to determine the pension and OPEBs expense in these proceedings were applied. The Company will adjust the amount capitalized associated with fringe benefits (which includes, but is not limited to pension and OPEBs) for any differences resulting from this reconciliation. In addition, the Company will adjust the applicable pension and OPEB deferral accounts to reflect the capitalized pension and OPEB costs determined pursuant to the above methodology.

Journal Entry Details Monthly Deferral

c. Actual pension and OPEB expense comprise the following three elements:

- Expense booked directly by the Company pursuant to FAS 87 or FAS 106, derived from actuarial reports.

- Pension/OPEB expense allocated from National Grid USA Service Company, Inc. and National Grid Engineering & Survey, Inc. (collectively, "Service Company"). The amount allocated from the Service Company is reduced by any Supplemental Executive Retirement Programs ("SERP") related amounts as directed in Attachment A hereto. A reduction to pension/OPEB expense for the amounts capitalized will represent and include credits for the normal capitalization of payroll, intercompany billing revenues, and credits for third party billing revenue. The amount of capitalization of payroll (covering all three of these types of credits) will be determined based upon the process described above.

- Monthly, the sum of the two elements noted above are compared against the pre-established level of pension/OPEB expense reflected in rates (see Section 10.1.1 of the Joint Proposal). This pre-established level takes the annual amounts

reflected in rates and divides them by twelve to perform a monthly reconciliation. The amount above or below the threshold is the amount deferred monthly. Separate entries are recorded for the pension and OPEB deferrals.

Annual Reconciliation Adjustment

d. An adjusting entry will be made annually, but no later than May of the subsequent fiscal year, for the reconciliation of fringe benefits capitalized in accordance with Section 1b above.

2. Deferred pension and OPEB costs will be credited with the costs associated with employees covered by the Niagara Mohawk pension and OPEB plans that are transferred to and from the Service Company between valuations for each fiscal year to eliminate double-counting. The method for determining the credit is as follows:

a. After the close of each fiscal year, the Company will: (1) identify all employees who transferred from Niagara Mohawk to the Service Company or from the Service Company to Niagara Mohawk during the fiscal year; and (2) making the hypothetical assumption that all employee transfers occurred on January 1 of the fiscal year, calculate the difference in pension and OPEB expense allocated between Niagara Mohawk and the Service Company for (a) the capitalized portion of pension and OPEB expense; and (b) the Company's share of the monthly Service Company allocation. This adjustment for (b), above, will be subject to Niagara Mohawk's ability to provide support to Staff that the annual pension and OPEB costs for Service Company are derived from actuarial estimates of Service Company pension and OPEB expenses for the year. The revised valuations as of January 1 will be provided by the Company's actuaries. The credit determination, if any, resulting from this Section 2 will follow the determination set forth in Section 1 above. An example calculation of the adjustment described above will be applicable from April 2006 forward and is presented in Table 1 of Attachment B hereto.

b. The Company further agrees that the amount of pension and OPEB costs allocated to Service Company, net of pension and OPEB costs allocated back from Service Company and otherwise included in pension and OPEB cost deferrals, will be funded on an as-incurred basis.

3. The Signatory Parties agree the funding for pensions and OPEBs should be done in a tax effective manner. Accordingly, Niagara Mohawk will have the discretion to allocate the funding requirements contained in the Commission's *Statement of Policy on Pensions and Post-Retirement Benefits Other than Pensions* in Case 91-M-0890 ("Statement of Policy") to efficiently use available tax benefits, manage the pension and OPEB obligations of the Company, and to meet other financial requirements associated with the funding. For purposes of the Statement of Policy, the funding requirements of both OPEB and pensions will be evaluated on the sum of the OPEB and pension plans, and excess funding for pensions or OPEBs will be offset against deficiencies, if any, in Niagara Mohawk's other pension or OPEB funding obligations under the Statement of Policy. This will be accomplished by providing a return

calculated in the manner set forth in the Statement of Policy on the debit balance of the internal reserve for a plan to the extent that such debit balance is less than or equal to a credit balance of the internal reserve for another Niagara Mohawk plan caused by the limitations on tax benefits. However, except as set forth below, no return will be allowed for any plan having a debit balance in its internal reserve for the amount by which the plan assets exceed the plan obligations. To earn a return on a portion of the debit balance of the internal reserve attributable to plan assets that exceed plan obligations, Niagara Mohawk must request such authority from the Commission and demonstrate that such funding in excess of the rate allowance is necessary and in the interest of customers even though the plan is fully funded.

4. Statement of Policy

In general, Niagara Mohawk will adhere to the Commission's Statement of Policy. Under the Statement of Policy, Niagara Mohawk reconciles its pension and benefit expense with the allowance in its rates and will realize no profit or loss from changes to retiree benefits under its pension and benefit plans. However, Niagara Mohawk and National Grid will be granted waiver from the requirements of the Statement of Policy in the following limited respects:

a. Although Niagara Mohawk and National Grid will not merge their pension funds without prior approval of the Commission following notice to Staff, they may establish a single master trust, with separate segregated sub-trusts for its New York and New England retirees, as long as a complete separate accounting of the assets, liabilities and annual expense levels can be made for the Niagara Mohawk sub-trust.

b. Service Company will be permitted to manage the pension/OPEB plans subject to Commission staff review as long as a separate, non-affiliated entity is handling the investment decisions pertaining to the plans.

Attachment A

1. Reconciliation of Pension and OPEB Expense. Niagara Mohawk will reconcile its actual Pension and OPEB expense recorded under FAS 87 and FAS 106, and its allocated share of Pension and OPEB expense from Service Company, but excluding Pension and OPEB expense associated with SERP or other executive plans, programs, or arrangements that would otherwise factor into FAS 87, FAS 88, or FAS 106, and unregulated operations, to the amounts reflected in rates (as shown in Section 10.1.1 of the Joint Proposal). Capitalized FAS 87 and FAS 106 costs will be excluded from actual FAS 87 and FAS 106 costs in the reconciliation.

2. Termination Benefits, Settlements, and Curtailments Associated with Transfers to Service Company and National Grid Other Affiliates. The Signatory Parties recognize that the movement of employees between Niagara Mohawk and Service Company or National Grid Other Affiliates (as defined in the Company's Corporate Structure and Affiliate Rules (Appendix 16 to the Joint Proposal), could result in the inequitable shifting of FAS 87 and FAS 106 expense between Niagara Mohawk and Service Company or National Grid Other Affiliates. Consequently, Niagara Mohawk will implement mechanisms to prevent such inequitable shifting of FAS 87 and FAS 106 expense during the term of the Rate Plan, including the prevention of any effects associated with such transfers on any termination benefits, settlements, or curtailments. The objective will be, for example, to assure that a Niagara Mohawk employee who is transferred to Service Company and bills all or a portion of the employee's time to Niagara Mohawk does not unfairly increase or decrease Niagara Mohawk's recoverable FAS 87 and FAS 106 expense, or that an employee of Service Company who was billing all or a portion of the employees time to Niagara Mohawk and then is transferred to Niagara Mohawk does not unfairly increase or decrease Niagara Mohawk's recoverable FAS 87 and FAS 106 expense.

3. All Other Termination Benefits, Settlements, and Curtailments. Niagara Mohawk is required to follow the procedures set forth in the Commission's Statement of Policy, as it may be revised from time to time.

ATTACHMENT B: PENSION AND OPEB EXPENSE

Table 1

Pension Expense

A	B	C	D	E	F	G	H	I	J	K	L
	# of Employees Transferred to Svc Co.	Total NM Pension Expense	Pension Expense Originally Allocated to Svc. Co.	Revised Pension Expense Allocated to Svc. Co.	Decrease NM Pension Expense Change	Capital %	Decrease for Amount Capitalized	Pension Adj	Svc Co Allocation % to NM	NM Share of Serv Co. Allocation	Final Pension Adj
FYE 3/31/04	156	$50,204,699	$3,065,129	$3,363,347	(298,218)	23.95%	(71,423)	(226,795)	26.09%	(77,805)	(148,990)
FYE 3/31/05	39	$60,190,372	$4,439,886	$4,524,106	(84,220)	26.04%	(21,931)	(62,289)	29.20%	(24,592)	(37,697)
FYE 3/31/06	86	$77,659,992	$6,141,852	$6,395,794	(253,942)	26.18%	(66,482)	(187,460)	31.09%	(78,951)	(108,509)
Total Pension Adj		$188,055,063	$13,646,867	$14,283,247	(636,380)		(159,836)	(476,544)		(181,348)	(295,196)

OPEBs Expense

A	B	C	D	E	F	G	H	I	J	K	L
	# of Employees Transferred to Svc Co.	Total NM OPEB Expense	OPEB Expense Originally Allocated to Svc. Co.	Revised OPEB Expense Allocated to Svc. Co.	Decrease NM OPEBs Expense Change	Staff Capital %	Decrease for Amount Capitalized	OPEB Adj	Svc Co Allocation % to NM	NM Share of Serv Co. Allocation	Final OPEB Adj
FYE 3/31/04	156	$29,370,462	$2,151,210	$2,360,509	(209,299)	23.95%	(50,127)	(159,172)	24.27%	(50,797)	(108,375)
FYE 3/31/05	39	$30,079,311	$3,646,731	$3,715,905	(69,174)	26.04%	(18,013)	(51,161)	28.78%	(19,908)	(31,253)
FYE 3/31/06	86	$33,322,910	$3,872,117	$3,944,719	(72,602)	26.18%	(19,007)	(53,595)	31.01%	(22,514)	(31,081)
Total OPEB Adj		$92,772,683	$9,670,058	$10,021,133	(351,075)		(87,147)	(263,928)		(93,219)	(170,709)

Column
A Fiscal YE
B Number of Employees transferred to NGUSA Service Company during the fiscal year
C Total NMPC Pension/OPEB Expense per Hewitt

D	Pension/OPEB expense originally allocated to NGUSA Service Company, excluding employees transferred during the year (based on revised actuarial valuations)
E	Revised pension/OPEB expense originally allocated to NGUSA Service Company, including employees transferred during the year (based on revised actuarial valuations)
F	Column (D) – Column (E)
G	Percentage of pension/OPEB expense capitalized (per method described in PSC-276, and as reconciled to under section 3.8.1 of the stipulation)
H	Decrease for amount capitalized (F x G)
I	Adjustment w/out service company allocation adjustment (F – H)
J	Percentage of pension/OPEB expense originally allocated from NGUSA Service Company to NM
K	Column (F) x Column (J)
L	Column (I) – Column (K)

Note: The final pension and OPEB adjustment (Column L), must be further allocated between electric and gas departments to determine the amount to be posted to electric and gas pension and OPEB deferrals.

APPENDIX 10

GBE Program Scope

High-Level GBE Program Scope by Workstream

Asset Management –an enterprise asset management platform that will provide a single view of all assets and system of record

- Implement an enterprise-wide Geographic Information System ("GIS"), investment planning, integrity management, and design systems /tools integrated with the work management system
- Develop enterprise-wide investment planning / risk management capabilities

Work Management – a work management system with an integrated field mobile application allowing a single view of all work with the ability to prioritize work

- Implement an enterprise-wide work management system, including scheduling and mobility platforms with ability to optimize routes
- Develop planning and prioritization capabilities to ensure commitments are met, mandated work is completed and capital work is delivered
- Deploy enterprise-wide standardized processes and roles

Customer Engagement - enable easier customer interactions through greater visibility to planned activities and scheduling of upcoming work

- Implement an interaction platform with multi-channel, customer self-service options
- Provide access to real-time customer information and history

Regulatory & Compliance

- Incorporate pipeline safety and compliance standards into all elements of the design
- Develop robust technical training capability
- Simplify and align policies, procedures, work methods and training
- Incorporate elements of API 1173 – Pipeline Safety Management System (process safety)

Detailed Backbone Capabilities

- Enterprise Asset Management platform integration with SAP
- Enterprise Work Management system integrated with a field mobile application and back office systems (*i.e.*, Powerplan and SAP)
- Scheduling and dispatch
  - Optimized routing
  - Spatial crew visibility
- Field mobility solutions
  - electronic data capture
  - visibility to customer payment history
  - acceptance of credit card payments
  - print capability

  - electronic work packages
  - field access to maps
  - field asset correction and geolocation
- GIS Consolidation, GIS Data Remediation, Landbase Conflation
- Enterprise GIS/Enterprise Asset Management Platform Integration
- Data management, archiving, record-keeping
- Customer collections status visibility
- Standardized compatible unit library
- Customer appointment booking
- Contractor mobility solution
- Mobile time entry and tracking
- Material traceability
- Work forecasting and planning solution
- Asset investment planning and management tool
- Integrity management application
- Mobility tool for customer meter services work, inspection and maintenance work, preventative maintenance activities, construction work, leak inspection and leak repair
- Gas safety instructor-led, video-based, and mobile technical training

Detailed Enhanced Capabilities

- Asset investment scenario planning
- Graphical Work Design and CU estimating
- Customer contact center front end application integrated with customer information systems and field mobility solution providing 360° view of the customer
- Field crew customer interaction portal
- Customer self-service portal
- Employee support interaction portal
- Projects and program management platform
- Complex design tools
- Auto work notifications
- Supervisor mobile platform
- Field mobile redlining and GIS mapping
- Project Management Platform integration with GIS, Enterprise Asset Management and asset accounting
- Spatial asset risk visibility
- Large commercial and landlord interaction portal

GBE Program Niagara Mohawk ("Company") KPI Descriptions and Calculations

Measurement Area	KPI	Metric Description	Algorithm	Data Source
Work Management-Customer Meter Services ("CMS")	Avg. # of completed gas Jobs per CMS FTE (jobs/day)	Measures the average number of gas jobs completed per day by each working CMS FTE	The quotient of (i) the total number of Jobs completed by CMS FTEs during the fiscal year, *divided by* (ii) the total number of gas CMS FTEs during the fiscal year, with the result divided by the number of working days (240) and expressed to two decimal places. "FTEs" includes Company gas employees and excludes contractors "Jobs" means all Company CMS planned and collections jobs completed by CMS FTEs	Jobs Data and HRIS system
Work Management-Maintenance & Construction ("M&C")	Avg. ft. of gas distribution main installed or replaced per M&C FTE (ft/day)	Measures the average feet of gas distribution main installed per day by each working gas M&C FTE	The product of (i) the total number miles of gas "Distribution Main" installed by Company gas M&C FTEs in the Company's gas service territory in the fiscal year *multiplied by* (ii) the number of feet in a mile, *divided by* (iii) number of Company gas M&C FTEs (based on average crew size during the fiscal year), with the result divided by the number of working days (240) and expressed to two decimal places.	M&C Workplan

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 2
Page 1 of 4

			"Distribution Main" means the following types of gas distribution main: new main, proactive and reactive replacements, reliability and reinforcements, and city state construction replacements "Miles" means miles of gas distribution main installed "Feet" means feet of gas distribution main installed "FTEs" includes Company gas employees and excludes contractors	
Engineering and Back Office	Work Orders Processed/ Back Office FTEs (WOs/yr)	Measures the average number of Work Orders processed per year in the back office by each engineering clerical employee	The quotient of (i) Company total Work Orders in STORMS during the fiscal year *divided by* (ii) average number of Clerks active during the fiscal year. "Work Orders" means work orders marked as closed in STORMS "Clerks" means those Company and Service Company employee and contractor roles responsible for processing Work Orders.	STORMS Data R850 completion Clerical information (HRIS) and filtered for those responsible for processing work orders
Customer	Total Call Volume (Calls/year)	Measures the total volume of move and non-move telephone calls received by the Company's call centers from customers	The sum of (i) the total number of Move Calls received by the call centers from Company's customers during the fiscal year *plus* (ii) the total number of field-related Non-move Calls received by the call centers from Company's customers	Move Call Benefits – call center query for fiscal year Non Move Call Benefits – call center query for fiscal year Move and Non-move Calls

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 2
Page 2 of 4

			during the same measurement window. "Move Calls" means calls for service installation or discontinuance. "Non-move Calls" means calls to resolve a customer issue.	are included but not differentiated in the total Annual Call Volumes reported in the annual Service Quality Assurance Program report (discussed in Appendix 15) provided on a calendar year basis.
Customer / Key Measurement	Customer Experience (Effort) Rating	Measures the overall satisfaction of National Grid residential gas customers captured in the "Ease of Doing Business" surveys, the results of which are mainly driven by number handoffs between Company departments and ease of issue resolutions	Average of scores for all "Ease of Doing Business" survey questions to Company customers during the fiscal year, with the result expressed to two decimal places.	Customer Effort Survey Results from the Brand, Image & Relationship Survey
Gas Safety & Compliance	Total non-compliance occurrences	Measures the total number of gas safety non-compliance occurrences	Total occurrences of violations of the Commission's gas safety regulations, as measured by the final results of Staff's annual records and field audits.	NMPC Records and Field Audit Results Cumulative Annual Non-Compliance Occurrences (as discussed in Joint Proposal Section 12.5) from Pipeline Safety & Compliance Team

Notes:

The purpose of each KPI is to measure the performance of the Company or its employees.

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 2
Page 3 of 4

Within 30 days of a Commission order approving the Joint Proposal in this proceeding, the Company will file with the Secretary a report containing (i) the Work Management - Customer Meter Services “Jobs,” defined as all CMS planned and collections jobs completed by Company CMS FTEs; (ii) the current Work Management - Maintenance & Construction average crew size; and (iii) the current number of Engineering and Back Office “Clerks,” defined as Company and Service Company employees and contractors responsible for processing Work Orders.

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 2
Page 4 of 4

Niagara Mohawk Power Corporation d/b/a National Grid
Gas Business Enablement NMPC Value Framework FY23 KPI Targets and Weightings

KPI Description	FY 2023 KPI Target	FY 2023 KPI Target Weightings	Allocated Portion of Enhanced Capability Investment ($31.2M)
Avg. # of Completed Jobs per CMS worker (jobs/day)	2.78	11%	$3.4 M
Avg. ft. of Main Repl./ M&C Worker (ft/day)	12.39	11%	$3.4 M
WOs Processed/ Back Office FTE	767	11%	$3.4 M
Total Call Volume (Calls/year)	1,069,433	16%	$5.0 M
Customer Experience(Effort) Rating	72.44	16%	$5.0 M
Total non-compliance occurrences	0	35%	$10.9 M
Totals		100%	$31.2 M

Niagara Mohawk Power Corporation d/b/a National Grid
Gas Business Enablement NMPC Example of Value Framework FY23 KPI Performance Calculation (Underperformance Against All Targets)

Line	Value Category	Work Management- CMS	Work Management- M&C	Back Office	Customer	Customer	Gas Safety & Compliance	Total
1	KPI Description	Avg. # of Completed Jobs per worker (jobs/day)	Avg. ft. of Main Repl./ Worker (ft/day)	WOs Processed/ Back Office FTE (WOs/yr)	Total Call Volume (Calls/year)	Customer Experience(Effort) Rating	Total non-compliance occurrences	
2	KPI Baseline	2.7	12.03	577	1,148,881	67.70	398	
3	KPI Target FY23	2.78	12.39	767	1,069,433	72.44	0	
4	FY23 KPI Target Weighting Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%	35%	
5	Enterprise Enhanced Capability Investment Dollars weighted to KPI	$20.4 M	$20.4 M	$20.4 M	$29.6 M	$29.6 M	$64.8 M	$185.0 M
6	NMPC Enhanced Capability Investment Dollars = Line 5 * 16.89%	$3.44 M	$3.44 M	$3.44 M	$5.00 M	$5.00 M	$10.94 M	$31.2 M
7	Calculated NMPC Value of Meeting the FY23 Target	$486,847	$861,064	$310,265	$297,136	$1,283,066	$7,900,000	$11,138,378
8	Annual Dollar Value of a unit of improvement = Line 7 / (Line 3 - Line 2)	$6,085,588	$2,391,844	$1,633	-$4	$270,689	-$19,849	
9	Illustrative FY23 KPI Value	2.75	12.22	*760*	1,075,000	66.70	120	
10	Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	62.5%	52.8%	96.3%	93.0%	-21.1%	69.8%	
11	Calculated value of performance = (Line 9 - Line2) * Line 8	$304,279	$454,450	$298,834	$276,315	-$270,689	$5,518,090	$6,581,281
12	Value of any individual KPI underperformance = (Line 9 - Line 4) / Line 8, if underperforming	$182,568	$406,614	$11,431	$20,821	$1,553,755	$2,381,910	$4,557,097
13	Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	$0	$0	$0	$0	$0	$0	$0
14	Maximum potential reallocation from any over performing KPIs = 50% * Line 7	$243,424	$430,532	$155,133	$148,568	$641,533	$3,950,000	
15	Re-allocation of any over-performance to any underperforming KPIs = the lower of ((Line 12 / Total Column of Line 12) * Total Column of Line 13) or (Line 14)	$0	$0	$0	$0	$0	$0	$0
16	Re-allocated value = Line 11 + Line 15 for underperforming KPIs or Line 7 for outperforming KPIs	$304,279	$454,450	$298,834	$276,315	-$270,689	$5,518,090	$6,581,281
17	Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	63%	53%	96%	93%	0%	70%	
18	Total Value to be deferred back to customers for underperformance = (1 - Line 17) * Line 6	$1.29 M	$1.62 M	$0.13 M	$0.35 M	$5.00 M	$3.30 M	$11.69 M

If any KPI outperforms its target, demonstrating more value was delivered than anticipated, then the incremental value delivered can be reallocated to support any underperforming KPIs based on the following principles:

1. Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis

2. Any reallocation to an underperforming KPI is capped at 50% of its value (e.g. if performance was at 25% of the target, the maximum performance it could be enhanced to through reallocation is 75% of the target if there was available outperformance)

3. Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (*i.e.* performance cannot exceed 100% of KPI value)

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 4
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid

Gas Business Enablement NMPC Example of Value Framework FY23 KPI Performance Calculation (Full or Overperformance Against Targets but One)

Line	Value Category	Work Management- CMS	Work Management- M&C	Back Office	Customer	Customer	Gas Safety & Compliance	Total
1	KPI Description	Avg. # of Completed Jobs per worker (jobs/day)	Avg. ft. of Main Repl./ Worker (ft/day)	WOs Processed/ Back Office FTE (WOs/yr)	Total Call Volume (Calls/year)	Customer Experience(Effort) Rating	Total non-compliance occurrences	
2	KPI Baseline	2.7	12.03	577	1,148,881	67.70	398	
3	KPI Target FY23	2.78	12.39	767	1,069,433	72.44	0	
4	FY23 KPI Target Weighting Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%	35%	
5	Enterprise Enhanced Capability Investment Dollars weighted to KPI	$20.4 M	$20.4 M	$20.4 M	$29.6 M	$29.6 M	$64.8 M	$185.0 M
6	NMPC Enhanced Capability Investment Dollars = Line 5 * 16.89%	$3.44 M	$3.44 M	$3.44 M	$5.00 M	$5.00 M	$10.94 M	$31.2 M
7	Calculated NMPC Value of Meeting the FY23 Target	$486,847	$861,064	$310,265	$297,136	$1,283,066	$7,900,000	$11,138,378
8	Annual Dollar Value of a unit of improvement = Line 7 / (Line 3 - Line 2)	$6,085,588	$2,391,844	$1,633	-$4	$270,689	-$19,849	
9	Illustrative FY23 KPI Value	2.79	12.41	700	1,060,000	72.44	0	
10	Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	112.5%	105.6%	64.7%	111.9%	100.0%	100.0%	
11	Calculated value of performance = (Line 9 - Line2) * Line 8	$547,703	$908,901	$200,856	$332,415	$1,283,066	$7,900,000	$11,172,941
12	Value of any individual KPI underperformance = (Line 9 - Line 4) / Line 8, if underperforming	$0	$0	$109,409	$0	$0	$0	$109,409
13	Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	$60,856	$47,837	$0	$35,279	$0	$0	$143,972
14	Maximum potential reallocation from any over performing KPIs = 50% * Line 7	$243,424	$430,532	$155,133	$148,568	$641,533	$3,950,000	
15	Re-allocation of any over-performance to any underperforming KPIs = the lower of ((Line 12 / Total Column of Line 12) * Total Column of Line 13) or (Line 14)	$0	$0	$143,972	$0	$0	$0	$143,972
16	Re-allocated value = Line 11 + Line 15 for underperforming KPIs or Line 7 for outperforming KPIs	$486,847	$861,064	$310,265	$297,136	$1,283,066	$7,900,000	$11,138,378
17	Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	100%	100%	100%	100%	100%	100%	
18	Total Value to be deferred back to customers for underperformance = (1 - Line 17) * Line 6	$0.00 M	$0.00 M	$0.00 M	$0.00 M	$0.00 M	$0.00 M	$0.00 M

If any KPI outperforms its target, demonstrating more value was delivered than anticipated, then the incremental value delivered can be reallocated to support any underperforming KPIs based on the following principles:

1. Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis

2. Any reallocation to an underperforming KPI is capped at 50% of its value (e.g. if performance was at 25% of the target, the maximum performance it could be enhanced to through reallocation is 75% of the target if there was available outperformance)

3. Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (*i.e.* performance cannot exceed 100% of KPI value)

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 5
Page 1 of 1

Niagara Mohawk Power Corporation d/b/a National Grid
Gas Business Enablement NMPC Example of Value Framework FY23 KPI Performance Calculation (Mixed Against Targets)

Line	Value Category	Work Management- CMS	Work Management- M&C	Back Office	Customer	Customer	Gas Safety & Compliance	Total
1	KPI Description	Avg. # of Completed Jobs per worker (jobs/day)	Avg. ft. of Main Repl./ Worker (ft/day)	WOs Processed/ Back Office FTE (WOs/yr)	Total Call Volume (Calls/year)	Customer Experience(Effort) Rating	Total non-compliance occurrences	
2	KPI Baseline	2.7	12.03	577	1,148,881	67.70	398	
3	KPI Target FY23	2.78	12.39	767	1,069,433	72.44	0	
4	FY23 KPI Target Weighting Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%	35%	
5	Enterprise Enhanced Capability Investment Dollars weighted to KPI	$20.4 M	$20.4 M	$20.4 M	$29.6 M	$29.6 M	$64.8 M	$185.0 M
6	NMPC Enhanced Capability Investment Dollars = Line 5 * 16.89%	$3.44 M	$3.44 M	$3.44 M	$5.00 M	$5.00 M	$10.94 M	$31.2 M
7	Calculated NMPC Value of Meeting the FY23 Target	$486,847	$861,064	$310,265	$297,136	$1,283,066	$7,900,000	$11,138,378
8	Annual Dollar Value of a unit of improvement = Line 7 / (Line 3 - Line 2)	$6,085,588	$2,391,844	$1,633	-$4	$270,689	-$19,849	
9	Illustrative FY23 KPI Value	2.75	12.50	*560*	1,065,000	68.50	10	
10	Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	62.5%	130.6%	-8.9%	105.6%	16.9%	97.5%	
11	Calculated value of performance = (Line 9 - Line2) * Line 8	$304,279	$1,124,167	-$27,761	$313,715	$216,551	$7,701,508	$9,632,460
12	Value of any individual KPI underperformance = (Line 9 - Line 4) / Line 8, if underperforming	$182,568	$0	$338,026	$0	$1,066,515	$198,492	$1,785,600
13	Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	$0	$263,103	$0	$16,579	$0	$0	$279,682
14	Maximum potential reallocation from any over performing KPIs = 50% * Line 7	$243,424	$430,532	$155,133	$148,568	$641,533	$3,950,000	
15	Re-allocation of any over-performance to any underperforming KPIs = the lower of ((Line 12 / Total Column of Line 12) * Total Column of Line 13) or (Line 14)	$28,596	$0	$52,946	$0	$167,050	$31,090	$279,682
16	Re-allocated value = Line 11 + Line 15 for underperforming KPIs or Line 7 for outperforming KPIs	$332,875	$861,064	$25,185	$297,136	$383,602	$7,732,598	$9,632,460
17	Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	68%	100%	8%	100%	30%	98%	
18	Total Value to be deferred back to customers for underperformance = (1 - Line 17) * Line 6	$1.09 M	$0.00 M	$3.16 M	$0.00 M	$3.50 M	$0.23 M	$7.98 M

If any KPI outperforms its target, demonstrating more value was delivered than anticipated, then the incremental value delivered can be reallocated to support any underperforming KPIs based on the following principles:

1. Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis

2. Any reallocation to an underperforming KPI is capped at 50% of its value (e.g. if performance was at 25% of the target, the maximum performance it could be enhanced to through reallocation is 75% of the target if there was available outperformance)

3. Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (*i.e.* performance cannot exceed 100% of KPI value)

Case 17-E-0238 & 17-G-0239
Appendix 10
Schedule 6
Page 1 of 1

APPENDIX 11

TGP Nomination Procedure

- Overview: Beginning in November 2018, all East Gate Daily Balanced gas transportation customers and all Monthly Balanced/Customer Choice customers will be required, by a standing nomination procedure, to deliver some portion of their supply on TGP when temperatures are forecast to fall below a designated temperature threshold.

- Program Parameters: The temperature triggers, delivery percentages, and nomination procedures will be reviewed and updated prior to each winter season. The Company will amend its GTOP to include a communications protocol for affected customers, which will include, at a minimum, a procedure for communicating these criteria and procedures in an annual pre-winter mailing. The Company will also notify Department of Public Service Staff in advance of any changes to the program parameters.

  The Company preliminarily estimates the following parameters:

  - Temperature trigger: Forecast average daily temperature of 15 degrees
  - TPG delivery percentage: 8 - 12%

- Monthly Balanced Transportation Customers: the Company will release its TGP capacity to all ESCOs participating in the mandatory capacity/Customer Choice program.

- East Gate Daily Balanced Transportation Customers: a certain percentage of their requirements will be required to be delivered on TGP when the Temperature Trigger is forecast to be reached.

- Cashouts and Penalties: The Company will amend its GTOP/Tariff to incorporate TGP pricing in its Cashout Index, as well as penalty provisions for failing to deliver in accordance with these provisions.

APPENDIX 12

SC-8 Standby Sales

D1 Election Rate

To discourage the purchase of standby gas supplies when not required to meet the gas supply requirements of D1 customers, the Company will establish a set of D1 election rules. While the Company recognizes that D1 elections are typically made for purposes of serving SC-8 customers' gas requirements, there are other times when the D1 program appears to be used solely for the benefit of the SC-8 customer supplier. Therefore, the following rules will apply to D1 elections:

- The Company will monitor D1 elections to identify potential abuses and eliminate arbitrage opportunities (*e.g.*, elections not attributable to customer requirements, weather variations, or pipeline curtailments). Examples include:
    - D1 elections that are resold in the market
    - Material amounts of D1 elections not utilized by customer (*i.e.*, customer usage is materially less than D1 election) on days when on-system TGP Operational Flow Orders are issued.
- The Company will investigate potential violations of D1 election rules. SC-8 customers will reasonably cooperate with the Company in any such investigation. The Company will work closely with D1 customers and/or their suppliers to determine the nature of the activities that resulted in the potential violation.
- D1 elections determined to have violated the D1 election rules will be billed at the Company's highest daily incremental cost of gas for the day the violation occurred.
- The D1 customers and/or their supplier will have the right to challenge any Company determination by making a complaint to the Commission.

APPENDIX 13

NON-WIRES ALTERNATIVES ("NWA")

Overview

The Non-Wire Alternative Incentive Mechanism (NWA Incentive Mechanism) establishes separate but similar methodologies for determining incentives applicable to Large Projects[1] and Small Projects.[2] Through the NWA Incentive Mechanism, the Company may retain a share of the present value of net benefits identified by comparing an NWA project to the traditional infrastructure project it would defer or replace based on a benefit cost analysis (BCA).[3] The incentive amount available to the Company will be adjusted based on the difference between the forecast cost of achieving deferral and the actual costs of such. In the event the number of megawatts (MWs) required to defer the traditional project increases or decreases, the incentive amount would be a further adjusted. The NWA Incentive Mechanism provides an incentive floor of $0 and a cap of 50% of the initially-identified net benefits.

NWA Project Costs will be deferred with carrying costs.[4] Recovery of such costs will be amortized over a ten-year period, with offsetting credits to the extent that an NWA Project defers the need for a traditional infrastructure project included in the Company's Average Electric Plant in Service Balance.

The Company also may petition the Commission to modify the general NWA Incentive Mechanism described below if doing so is in the public interest.

BCA

For Large Projects, the Company will use a full-scale BCA to compare the present value of the net costs and benefits of an NWA project versus the present value of the net costs and benefits of a traditional infrastructure project. The BCA will consider all of the benefit and cost categories in the Commission's January 21, 2016 *Order Establishing Benefit Cost Analysis Framework* ("BCA Order") and use the Company's BCA Handbook. For Small Projects, the Company will use a "streamlined" BCA, which will include the major categories of costs and benefits outlined in the BCA Order, but will not include non-energy benefits, other than carbon dioxide reductions, or any benefits which might otherwise be realized by implementing a traditional infrastructure solution.

---

[1] A Large Project for NWA consideration is one where the estimated capital cost of the traditional infrastructure investment to be deferred is greater than or equal to $1 million. Large Projects generally require a larger number of MWs and have a longer lead time.

[2] A Small Project for NWA consideration is one where the estimated capital cost of the traditional infrastructure investment to be deferred is greater than $500,000 but less than $1 million. The need for Small Projects tends to develop more rapidly, and therefore they require a streamlined process for rapid response.

[3] The Company may pursue multiple NWA Projects to defer separate traditional infrastructure projects in the same area.

[4] Carrying costs shall be at the pre-tax weighted average cost of capital.

NWA Incentive Mechanism Applicable to Large Projects

The Company will establish an "Initial Incentive" equal to 30 percent of the present value of net benefits (Initial Net Benefits), *i.e.*, the present value of net benefits projected at the time the Company has either entered into contracts with distributed energy resource ("DER") providers for the entire NWA project portfolio, or when there is reasonable certainty on the price of the NWA project portfolio. To establish the Initial Incentive, the Company shall make a compliance filing in Case 17-E-0238. Prior to making its compliance filing to set the Initial Incentive, the Company shall seek input from Department of Public Service Staff. Once the NWA Project has been fully implemented, the Company will calculate the Difference in NWA Project Cost, which will be equal to the initially-forecast cost of the NWA Project, less the actual cost of the NWA Project. The Final Incentive will equal the sum of the Initial Incentive and 50 percent of Difference in NWA Project Cost. The Final Incentive is subject to a floor of $0 and a cap of 50% of the Initial Net Benefits.

Should additional MWs be needed to achieve the initially proposed deferral of a traditional infrastructure project, or to increase the duration of the deferral, the Company will make a compliance filing in Case 17-E-0238 and seek incremental MW procurements accordingly. So long as it is feasible and remains cost-beneficial to procure the additional MWs to continue deferral, the Company will be authorized to receive cost recovery of the expenditures incurred in obtaining the additional MWs, including carrying charges. However, the Company's Final Incentive would not reflect either the costs[5] or the benefits associated with the additional MWs. In the event the Company determines that acquiring additional MWs is technically or operationally infeasible, it will plan to implement a traditional infrastructure solution. Recovery of any incentives related to that project will be halted without requiring a refund of the amounts already collected at that time.

In the event fewer MWs are needed to achieve the intended deferral of traditional infrastructure, the Company will only reduce the number of MWs it plans to procure if both the need for reduced MWs is shown to be a sustained downward trend over a three-year period, and the Company needs only 70 percent or fewer of the initially-forecast MWs to achieve the intended deferral. The Company will true-up the incentive by converting the Initial Incentive to an Initial Unit Incentive by dividing its 30 percent share of Initial Net Benefits by the initial number of MWs it forecasted. Similarly, the Difference in NWA Project Cost to achieve deferral will be calculated on a per-MW basis, the Unit Difference in NWA Project Cost, by dividing the actual NWA Project Cost by the number of MWs required. The Final Incentive will be calculated as the sum of the Initial Unit Incentive plus or minus the Unit Difference in NWA Project Cost, multiplied by the reduced amount of MWs determined to be necessary, subject to the same 50 percent share of Initial Net Benefits incentive cap and $0 incentive floor provisions.

[5] The expenditures related to acquiring such additional MWs will not be considered in the Difference in NWA Project Cost used to calculate the Final Incentive.

NWA Incentive Mechanism Applicable to Small Projects

Similar to Large Projects, the Initial Incentive related to Small Projects will be based on a 30 percent share of the present value of net benefits (Initial Net Benefits), *i.e.*, the present value of net benefits projected at the time the Company has either entered into contracts with DER providers for the entire NWA project portfolio, or when there is reasonable certainty on the price of the NWA project portfolio. For Small Projects, however, the initial incentive will be set on a per MW basis. This Initial Unit Incentive is calculated by dividing the 30 percent share of Initial Net Benefits by the number of MWs to be procured for the NWA project. To establish the Initial Unit Incentive, the Company shall make a compliance filing in Case 17-E-0238. Prior to making its compliance filing to set the Initial Unit Incentive, the Company shall seek input from Department of Public Service Staff. Once the NWA Project has been fully implemented, the Company will calculate the Unit Difference in NWA Project Cost, equal to the initially-forecast cost of the NWA Project minus the actual cost of the NWA Project, divided by the number of MWs required. The Final Incentive will be determined by adding the Unit Difference in NWA Project Cost to the Initial Unit Incentive, multiplied by the MWs required.

For Small Projects, the Company will consider its need for more or fewer MWs using an annual analysis. Should additional MWs be needed to achieve the initially proposed deferral of a traditional infrastructure project, or to increase the duration of the deferral, the Company will make a compliance filing in Case 17-E-0238 and seek incremental MW procurements accordingly. So long as it is feasible and remains cost-beneficial to procure the additional MWs to continue deferral, the Company will be authorized to receive cost recovery of the expenditures incurred in obtaining the additional MWs, including carrying charges. However, the Company's Final Incentive would not reflect either the costs[6] or the benefits associated with the additional MWs. In the event the Company determines that acquiring additional MWs is technically or operationally infeasible, it will plan to implement a traditional infrastructure solution. Recovery of any incentives related to that project will be halted without requiring a refund of the amounts already collected at that time.

If the annual needs assessment determines that fewer MWs are required to achieve the intended deferral of traditional infrastructure, the Company will only seek to decrease its procurements if it determines that it needs only 70 percent or fewer of the initially-forecast MWs to achieve the intended deferral. In the event of a reduction in the number of MWs required, the Unit Difference in NWA Project Cost will be calculated, as if the MW reduction did not occur. The Final Incentive, however, will be calculated as the sum of the Initial Unit Incentive and the Unit Difference in NWA Project Cost, multiplied by the reduced amount of MWs determined to

[6] The expenditures related to acquiring such additional MWs will not be considered in the Difference in NWA Project Cost used to calculate the Final Incentive.

be necessary, subject to the same 50 percent share of Initial Net Benefits incentive cap and $0 incentive floor provisions.

NWA Cost and Incentive Recovery

Consistent with the Track Two Order, the Company's Capital Investment Reconciliation Mechanism is revised to remove the financial disincentive utilities face when engaging in NWA projects. To the extent an NWA project results in the Company displacing a capital project that is reflected in the Average Electric Plant in Service Balances, the balance(s) will be reduced to exclude the forecasted net plant associated with the displaced project. The carrying charge associated with the displaced project will be applied as a credit against the recovery of the associated NWA project cost to be recovered from customers. In the event the carrying charge on the net plant of any displaced project is higher than the recovery of the associated NWA project costs, the difference will be deferred for the benefit of customers.

NWA project costs and the Final Incentive under the NWA Incentive Mechanism will be allocated to each Service Class (SC) based on the following allocators: (1) 1CP for the transmission portion (if any) of the deferred traditional project; and (2) non-coincident demand allocator for the sub-transmission and distribution portions of the deferred traditional project. For example, the costs and incentives related to an NWA project which defers the need for sub-transmission infrastructure would be allocated to SCs based on their non-coincident sub-transmission demand allocator. Similarly, the costs and incentives related to an NWA project which defers the need for primary-voltage distribution infrastructure would be allocated to SCs based on their non-coincident primary demand allocator. If an NWA project will benefit only certain classes of customers, the cost allocation will be limited to the benefitted classes.

Once allocated to each SC, these costs would be recovered through an electric rate statement, which will be filed with the Commission and posted to the Company's website, that indicates the NWA surcharge rate to be included in the delivery charge, and to roll the NWA surcharge into the delivery charge line item on customers' bills, either the per kW or per kWh rate, on a demand-basis where available and on an energy-basis where necessary.

Amortization of NWA Project Costs and Incentives

The Company will recover its NWA project costs over a ten-year period. The ten-year recovery period will begin when the NWA project costs are realized. Any unamortized costs plus carrying charges, will be incorporated into base rates when electric base rates are reset.

For Large Projects, the Company will be awarded and begin collecting the Final Incentive from customers once 70 percent of the MWs it procured for the NWA project have become operational and have been verified through the Company's measurement and verification procedures. For Small Projects requiring more than one MW of DER, the Company will be awarded and begin collecting an amount equal to the Initial Unit Incentive as each MW

of the NWA portfolio becomes operational. For Small Projects less than one MW of DER, the Company will be awarded and begin collecting the Final Incentive once the entire NWA portfolio is operational. For both Large and Small Projects, once awarded, the Company will amortize the Final Incentive of an NWA project over the remaining deferral period for the traditional infrastructure project, inclusive of carrying costs on the unamortized balance of the Final Incentive.

Reporting Requirements

The Company will submit a detailed implementation plan and BCA for each NWA project once there is reasonable certainty as to the costs of the NWA project portfolio. The implementation plan for each NWA will include, at a minimum: (1) detailed measurement and verification procedures; (2) the portfolio of component load reductions or DER to be implemented; (3) the anticipated costs of the NWA; (4) a demonstration of whether the costs of the NWA projects are incremental to the Company's revenue requirement or will be displacing a project subject to the Capital Investment Reconciliation Mechanism; (5) a customer and community outreach plan; and (6) the BCA results when available. The implementation plan for each project will be updated at least annually; however, the Company will also update relevant plans promptly, if it determines it needs to increase or decrease the number of MWs required to effectuate an NWA project, or if the length of the deferral period for the traditional infrastructure solution associated with the NWA is modified. Annual implementation plans will be filed by January 31 of each year. If the number of MWs or length of deferral is modified, the Company shall also file an updated BCA, as appropriate.

In addition, the Company also will file quarterly reports showing: (1) NWA project expenditures and all relevant details with respect to project costs; (2) a description of the NWA project activities; (3) anticipated project in-service dates; (4) NWA cost and incentive recoveries; and (5) identification of operational savings or other benefits. The quarterly reports shall be filed in Case 17-E-0238 60 days after the close of each calendar year quarter.

APPENDIX 14

Major Storm Expense Provisions

The Company's annual electric revenue requirements provide funding for Major Storm Incremental Costs (as defined below) of $23 million in each of the Rate Years. The Company will defer the difference between the base rate allowance and actual Major Storm Incremental Costs for future refund to or recovery from customers.

As of the Effective Date, Niagara Mohawk will credit the deferral account with a monthly amount of $1.916 million, which equals 1/12th of the $23 million included in base rates. An illustrative example of the Major Storm Incremental Costs reconciliation is provided in Attachment A hereto.

1.0 Definitions

1.1 Major Storm – only for purposes of the deferral of costs, a period of adverse weather will be considered a Major Storm if:

a. service interruptions affect at least 10 percent of the customers in an operating area; and/or

b. service interruptions result in at least one percent of the customers in an operating area being without electric service for durations of at least 24 hours.[1] Niagara Mohawk will provide data showing that a period of adverse weather qualifies as a Major Storm by affected operating area as part of its backup support for the deferral of Incremental Costs.

1.2 Incremental Costs – Incremental Costs include overtime and payroll taxes paid to employees to restore service following a Major Storm, rest time wages incurred as the result of a Major Storm as specified in Niagara Mohawk's union contracts, outside vendor costs (including the costs of crews from affiliate companies), lodging and meal charges, and material and supply charges that Niagara Mohawk would not have incurred, except for the Major Storm. Any capitalized costs will be excluded from Incremental Costs, and proceeds from insurance, the Federal Emergency Management Agency, New York State or any other reimbursement or proceeds received to cover such costs will be deducted from Incremental Costs. Niagara Mohawk will open a work order for each Major Storm, and the Incremental Costs charged as a result of any Major Storm will be subject to audit by DPS Staff.

1.3 Ten Days Following Restoration – For deferral purposes only, a Major Storm will include the ten days following restoration of all customers. Except as provided below, Niagara Mohawk will not defer costs incurred after this period. The Company, however, will have the right to petition the Commission for authorization to defer qualifying Incremental Costs (as defined below) incurred more than ten days following restoration of all customers that are associated with extraordinary Major Storms such as the December 2008 Albany or October 2006 Buffalo

[1] For operational purposes, the criteria for determining whether a storm is classified as a Major Storm remains unchanged, as set forth in 16 NYCRR Part 97.

storms. In the petition, Niagara Mohawk must demonstrate that the costs are qualifying Incremental Costs (*i.e.*, that the Incremental Costs qualify for deferral under the provisions set forth in this Appendix); however, the Company is not required to demonstrate that the Incremental Costs are material or that the Company is not earning above its allowed return on equity.

2.0 Per Storm Deferral Threshold; Deductible

To qualify for deferral, Incremental Costs of an individual Major Storm must be equal to or greater than $0.400 million; however, if the Company reaches a cumulative total of $0.800 million in Major Storms costing less than $0.400 million, any incremental costs above the $0.800 million will be eligible for deferral and any subsequent Major Storm will qualify for deferral without regard to an individual event threshold. If the Incremental Costs of an individual Major Storm are equal to or greater than $0.400 million, all Incremental Costs associated with that event qualify for deferral (not just the amount that exceeds $0.400 million).

Subject to the foregoing threshold provisions, all Incremental Costs incurred within 10 days of restoration of the last customer are subject to deferral with no per storm deductible. A per storm deductible of $0.750 million applies only for Major Storms that require post-restoration efforts more than 10 days beyond restoration of the last customer, and only to the extent the Company seeks to defer any Incremental Costs incurred more than 10 days beyond the restoration of the last customer. In the event the Company does seek to defer Incremental Costs incurred more than 10 days beyond the restoration of the last customer, the Company also will perform an analysis of such costs to gather information for deductible levels in future rate proceedings.

3.0 Contractor Disallowance

The portion of Niagara Mohawk's costs of contractors that qualify for deferral as Incremental Costs will be determined in accordance with the Contractor Disallowance rule. The Contractor Disallowance rule provides that straight-time costs for contractors replacing employees with certain job titles who perform storm restoration work and who have left the Company cannot be considered Incremental Costs where the headcount in those job titles is below the level assumed in base rates. The Contractor Disallowance pertains to only the following job titles: (i) Chief Line Mechanic B Hotstick; (ii) Chief Line Mechanic A Hotstick; (iii) Line Mechanic Hotstick; (iv) Line Mechanic C; (v) Line Mechanic B; (vi) Line Mechanic A; (vii) Line Mechanic Helper; (viii) One Person Line/Trouble Mechanic; (ix) Trouble Mechanic C Hotstick; (x) Trouble Mechanic D Hotstick; (xi) Cable Splicer A; (xii) Cable Splicer B; (xiii) Cable Splicer C; (xiv) Cable Splicer Helper; (xv) Chief Cable Splicer; (xvi) Transmission Chief Live Line Bare Hand Specialist; (xvii) Transmission Line Worker A 3/C; (xviii) Transmission Line Worker C 1/C; (xix) Transmission Line Worker Hot Stick; (xx) Transmission Live Line Bare Hand Specialist; and (xxi) Transmission Line Worker Helper. An example of the Contractor Disallowance calculation is set forth in Attachment B hereto.

4.0 Additional Provisions

4.1 In its summary of Incremental Costs to be deferred with respect to any Major Storm, Niagara Mohawk will identify the portion of such Incremental Costs that represents payments to any affiliated company or companies separately from the portion of Incremental Costs that represents internal costs and costs paid to unaffiliated third-parties. Affiliated company costs will be broken down into the same cost components as used for internal Company costs.

4.2 Niagara Mohawk will not defer storm-related claims costs; stores handling costs originating from Niagara Mohawk; transportation costs originating from Niagara Mohawk; pension and OPEB costs; equipment rental costs unless the Company demonstrates that such costs are Incremental Costs; base labor costs associated with the contractor Pro Unlimited, its successor and or similar agencies with a majority of employees being former Company employees; and costs for cell phone usage.

4.3 Niagara Mohawk will defer 30 percent of base labor, associated overheads (other than pension and OPEBs), and transportation costs originating from the ServiceCo (as defined in Section 3.1 below) as Major Storm Incremental Costs.

Niagara Mohawk Power Corporation d/b/a National Grid
Case 17-E-0238
Example Calculation of Deferrable Storm Costs
Hypothetical Storm Events in Rate Year 2019
Attachment 2 of RPP
Units ($)

Qualifying Major Storm Event	05/01/18	07/01/18	12/1/2018 [1]	02/01/19	03/01/19	Total
Storm Costs						
Non-Incremental Expenses						
Base Labor	$ 150,000	$ 120,000	$ 10,810,000	$ 120,000	$ 130,000	
Benefits	75,000	60,000	5,400,000	60,000	70,000	
Transportation	24,000	20,000	1,730,000	20,000	30,000	
Other	1,000	1,000	70,000	1,000	11,000	
Total Non-Incremental Expense	250,000	201,000	18,010,000	201,000	241,000	18,903,000
Incremental Expenses						
Overtime	78,000	60,000	5,620,000	50,000	60,000	
Affilitiate Labor	6,500	10,000	470,000	10,000	20,000	
Contractors	275,000	220,000	19,820,000	160,000	170,000	
Materials	10,000	10,000	720,000	10,000	20,000	
Employee Expenses	2,500	2,000	180,000	3,000	13,000	
Other	2,500	2,000	180,000	3,000	13,000	
Total Incremental Expense	374,500	304,000	26,990,000	236,000	296,000	28,200,500
Total Storm Expenses	624,500	505,000	45,000,000	437,000	537,000	47,103,500
Qualifying Incremental Costs						
Total Incremental Expense	$ 374,500	$ 304,000	$ 26,990,000	$ 236,000	$ 296,000	
Adjustments						
Contractor Disallowance	(20,000)	(16,000)	(500,000)	(16,000)	(6,000)	
Service Company Exclusion	(3,500)	(3,000)	(270,000)	(3,000)	(3,000)	
Other Exclusions (cell phone, claims, et al)	(1,000)	(1,000)	(90,000)	(1,000)	(1,000)	
Total Qualifying Incremental Costs	350,000	284,000	26,130,000	216,000	286,000	27,266,000
Per Storm Deductible and Threshold						
Number of work days post-restoration	3	7	30	8	10	
Per Storm Deductible	0	0	(750,000)	0	0	
Individual Event Under $400k	Yes	Yes	No	Yes	Yes	
Cumulative Costs for Individual Events Under $400k up to $800k	350,000	634,000	634,000	800,000	800,000	
Has $800k Threshold Been Met?	No	No	No	Yes	Yes	
Exclusion: Individual Event Under $400k up to $800k	$ (350,000)	$ (284,000)	$ -	$ (166,000)	$ -	
Total Deferrable Storm Costs	0	0	25,380,000	50,000	286,000	25,716,000

Deferral Account Activity & Balance

	Storm Reserve (Funded in base rates)	Deferral of Storm Costs	Year-to-date Balance in Storm Deferral Account
April	(1,916,667)	0	(1,916,667)
May	(1,916,667)	0	(3,833,333)
June	(1,916,667)	0	(5,750,000)
July	(1,916,667)	0	(7,666,667)
August	(1,916,667)	0	(9,583,333)
September	(1,916,667)	0	(11,500,000)
October	(1,916,667)	0	(13,416,667)
November	(1,916,667)	0	(15,333,333)
December	(1,916,667)	25,380,000	8,130,000
January	(1,916,667)	0	6,213,333
February	(1,916,667)	50,000	4,346,667
March	(1,916,667)	286,000	2,716,000
Year Total	(23,000,000)	25,716,000	

Note 1: Company would need to petition for deferral of costs incurred 10 days after the last customer is restored

Attachment B

Calculation of Contractor Disallowance Costs

Principles

1. The adjustment for contractor straight time is to be applied to line restoration.

2. The baseline and the month prior to the storm internal employee counts are defined using job titles, which are set forth in Table 2 below. The Signatory Parties agree that these job titles represent union employees with primary responsibility for line restoration activities and are the functions most likely to be supplemented with contractors during a storm response. If job titles are changed, the Company will provide a reconciliation of prior job titles to new job titles for purposes of applying the adjustment. The employee count shall pertain only to Niagara Mohawk.

3. The Company will provide a monthly report of internal staffing levels for the job titles defined in Table 2 below.

4. The Signatory Parties agree the baseline employee counts for line restoration in Rate Years One, Two, and Three are 926, 932, and 932, respectively.

5. The hourly billing rate applied to the contractor hours to determine the straight time is described in Line D below.

6. An example of how the calculation will be developed is presented in Table 1 below.

7. Other activities may be subject to a contractor disallowance and will be reviewed on a case by case basis.

8. Employees of Company affiliates will be treated as contractors.

9. In the event the Company employs more internal employees in the specified job titles than indicated in Principle 4, above, the Company may petition the Commission for an adjustment to the storm deferral to account for the incremental straight time of the additional employees.

Illustrative Example

Table 1 is an example of the template agreed to for calculating the adjustment to deferrable contractor storm costs. The example reflects contractor and applicable employee storm response and restoration staffing and costs for several days after a hypothetical Major Storm. This

example is presented to illustrate the method and the sources of the data to be used, and is not intended to reflect the final or agreed upon deferrable cost of any storm.

Explanation of Lines on Table 1

Line [A] – See Table 2 for the agreed upon list of qualifying job titles for Line Restoration and the column titled "Staffing Baseline in Rates" in that table for the associated employee counts. The counts represent all Niagara Mohawk employees within each job title. This data should not change during the Rate Plan.

Line [B] – See the column titled "Total Actual Staffing" in Table 2 for an example of a report reflecting the number of Niagara Mohawk employees in qualifying job titles, at the end of the month prior to the month in which a Major Storm occurs. The Company will provide by the 15th of every month, the number of line restoration employees by job title who were in qualifying positions per Table 2. If a listed job title is reclassified for operational reasons, the Company will notify on-site PSC Staff of the reclassification and include that job title on subsequent monthly reports. However, listed job titles cannot be commingled with other job titles not subject to this clause.

Line [C] – The level of non-deferrable contractors equal to the total baseline employee count Line [A] less total actual employee count Line [B].

Line [D] – The agreed upon Line Contractor hourly rates for the Rate Years are $164.76, $168.22 and $171.75, respectively. Rates beyond the Rate Years will be equal to the Rate Year 2021 rate inflated using the Blue Chip Economic Indicators consensus forecast of the GDP Deflator at the start of the year in which the rates apply.

Line [E] – Eight hours of straight-time per day.

Line [F] – Daily straight-time adjustment prior to the expense/capital allocation as determined for each storm, which is the result of multiplying Lines [C], [D] and [E].

Line [G] – Expense ratio equal to the sum of listed employees' labor costs charged to expense plus contractors' labor costs charged to expense, divided by the sum of listed employees' total labor costs plus contractors' total labor costs. This ratio is calculated for and applicable to each storm.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Major Storm Deferral - Incremental Contractor Costs
Example Calculation of a Contractor Disallowance Adjustment
Line Restoration (Line)
Attachment C, Table 1 of Appendix 14

	5/1/2018	5/2/2018	5/3/2018	5/4/2018	5/5/2018	5/6/2018	5/7/2018	5/9/2018	Total Adjustment
Baseline Employee Count [A]	926	926	926	926	926	926	926	926	
Actual Employee Count [B]	912	912	912	912	912	912	912	912	
Non-deferrable Contractor Count [C]	14	14	14	14	14	14	14	14	
Straight-time Contractor Rate [D]	$ 164.76	$ 164.76	$ 164.76	$ 164.76	$ 164.76	$ 164.76	$ 164.76	$ 164.76	
Straight-time Hours Per Day [E]	8	8	8	8	8	8	8	8	
Daily Straight-time Adjustment before Capital Adjustment [F]	$ 18,453	$ 18,453	$ 18,453	$ 18,453	$ 18,453	$ 18,453	$ 18,453	$ 18,453	**$ 147,626**
Percentage charged to expense [G]	95%	95%	95%	95%	95%	95%	95%	95%	
Straight-time Adjustment [H]	$ 17,531	$ 17,531	$ 17,531	$ 17,531	$ 17,531	$ 17,531	$ 17,531	$ 17,531	**$ 140,245**

Notes

[A] Baseline Line employees in rates - See Table 2
[B] Hypothetical actual total Line employees in month prior to the major storm
[C] Non-Deferrable Contractor equivalent headcount [A] - [B]
[D] Straight-time equivalent hourly rate - See Page 2 of 2
[F] Daily Straight time adjustment before capital adjustment [C] x [D] x [E]
[G] Percent of Labor and Contractor costs charged to expense
[H] Daily Straight time adjustment [F] x [G]

Case 17-E-0238 & 17-G-0239
Appendix 14
Attachment B
Table 1
Page 1 of 2

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Major Storm Deferral - Contractor Disallowance Adjustment
Calculation of an Average Hourly Contractor Rate
Line Restoration (Line)
Support for Appendix 14, Section 3.0

	Time Period	Blue Chip Inflation Rate	Hourly Contractor Rate
1	Inflate to March 31, 2014		$ 149.20
2	Inflate to March 31, 2015		$ 152.37
3	Inflate to March 31, 2016		$ 155.72
4	Inflate to March 31, 2017	1.54%	$ 158.12
5	Inflate to March 31, 2018	2.01%	$ 161.30
6	Inflate to March 31, 2019	2.15%	$ 164.76
7	Inflate to March 31, 2020	2.10%	$ 168.22
8	Inflate to March 31, 2021	2.10%	$ 171.75

Line Notes

1 - 3 The 2014-2016 rates were originally calculated in Section 1.2.3.3, Attachment 2a, Principle 5 of the Rate Plan Provisions in Case 12-E-0201

4 - 8 For years beyond March 31, 2016, the rate for a given year is equal to the 2016 rate inflated to that year using the Blue Chip GDP Deflater forecast in Exhibit___RRP-8CU.

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Baseline Line Restoration Employee Count by Job Title
For Calculation of Straight-time Adjustment to Storm Contractor Costs
Attachment C, Table 2 of Appendix 14

							FY 2019 Hypothetical Staffing for Month Prior to a Storm (used in Table 1 Example)	
	Work Discipline	**Source**	**Job Title**	**FY 2019**	**FY 2020**	**FY 2021**	**Total Actual Staffing**	**Staffing Below Baseline**
1	Line Restoration	October 2017 Payroll	Cable Splicer A	16	16	16	16	
2			Cable Splicer B	11	11	11	11	
3			Cable Splicer C	28	28	28	28	
4			Cable Splicer Helper	6	6	6	6	
5			Chief Cable Splicer A	26	26	26	26	
6			Chief Line Mech A Htstick	306	306	306	303	-3
7			Line Mechanic A	29	29	29	29	
8			Line Mechanic B	72	72	72	72	
9			Line Mechanic C	51	51	51	45	-6
10			Line Mechanic Helper	21	21	21	21	
11			Line Mechanic-Hot Stick	217	217	217	212	-5
12			One Person Line/Tbl Mechanic	62	62	62	62	
13			Tran Chief Live Ln Bare Hnd Sp	6	6	6	6	
14			Tran Line Worker A 3/C	1	1	1	1	
15			Tran Line Worker C 1/C	3	3	3	3	
16			Tran Line Worker Hot Stick	12	12	12	12	
17			Tran Live Line Bare Hand Spec	19	19	19	19	
18			Trouble Mech C Hot Stick	5	5	5	5	
19			Trouble Mech D Hot Stick	5	5	5	5	
20		Other Initiatives	Line Mechanic A	23	23	23	23	
21			Tran Line Worker A 3/C	5	9	9	5	
22			Transmission Line Worker Helper	2	4	4	2	
23	**Line Restoration Total**			**926**	**932**	**932**	**912**	**-14**

Case 17-E-0238 & 17-G-0239
Appendix 14
Attachment B
Table 2
Page 1 of 1

APPENDIX 15

APPENDIX 15: SERVICE QUALITY ASSURANCE PROGRAM

There will be a Service Quality Assurance Program for the Rate Plan that includes Customer Service and Electric Reliability performance measures. These measures will involve potential negative revenue adjustments with a total annual pre-tax value of $33.8 million if satisfactory levels of service are not delivered. All of the amounts reflected below are pre-tax dollars. The Service Quality Assurance Program will be measured on a calendar year basis, beginning January 1, 2018.

1.0 PROGRAM OBJECTIVE

The objective of the Service Quality Assurance Program is to encourage Niagara Mohawk to provide high levels of service quality in all areas of performance throughout the Rate Plan.

1.1 Electric and Gas Customer Service

The Customer Service performance measures set forth in Section 3.0, below, are designed to maintain and improve service quality in the following operations of the Company:

1) Call Center Operations
2) Billing and Collections
3) Field Services

1.2 Electric Reliability

The Electric Reliability performance measures set forth in Section 4.0, below, are designed to maintain reliability by establishing standards for the following:

1) Service Reliability (SAIFI and CAIDI)
2) Estimating
3) Inspection and Maintenance ("I&M") Program

2.0 OVERALL APPROACH

2.1 Allocation of Negative Revenue Adjustments

The Service Quality Assurance Program is designed to encourage quality performance by imposing negative revenue adjustments if performance is below acceptable levels in specific Customer Service and Electric Reliability performance measures. The negative revenue adjustments are divided into the two basic areas of Niagara Mohawk's electricity and gas delivery businesses. The broad allocations of the negative revenue adjustments are set forth below and then allocated among specific service quality measures in Sections 3.0 and 4.0:

1) Total pre-tax potential negative revenue adjustments of $19.8 million can be assessed each year for Electric & Gas Customer Service. The Customer Service negative revenue adjustments will be allocated to the electric and gas businesses

based on the current ratio of 75 percent electric and 25 percent gas and will not be recalculated annually.

2) Total pre-tax potential negative revenue adjustments of $14.0 million can be assessed each year for Electric Reliability.

2.2 Reporting

1) Niagara Mohawk will submit annual performance results, together with supporting data and reports, to the Secretary within three months after the conclusion of each full calendar year.

2) For Customer Service performance, the Company will also submit quarterly performance reports within thirty days of the conclusion of the first, second, and third quarter of each calendar year. The annual Customer Service performance report will include a description of the service quality measures, the method for calculating performance, the results for the period, supporting calculations of annual results in spreadsheet format, and a narrative overall assessment of customer service performance during that calendar year.

3) For Electric Reliability, the Company will submit quarterly reports thirty days after the conclusion of the first, second, and third quarters of each calendar year. The quarterly reports will include SAIFI, CAIDI, Estimating, and I&M Program targets and actual results. The fourth quarter or annual Electric Reliability performance report will include SAIFI, CAIDI, Estimating, and I&M Program targets, actual results, potential pretax negative revenue adjustments and pretax negative revenue adjustments incurred.

2.3 Exclusions

The target levels established for the Customer Service measures listed in Section 3.0 and the Electric Reliability measures listed in Section 4.0 are based on performance under all operating conditions except:

1) "Major storms" that are defined as a period of adverse weather resulting in a service interruption affecting at least ten percent of the customers in an operating area or causing customers to be without electric service for at least 24 hours as stated in 16 NYCRR Part 97. Niagara Mohawk will exclude interruption data associated with major storms in a consistent manner with established procedures. The Company will request any major storm related exceptions or adjustments for the Customer Service measures detailed in Section 3.0 in its annual report to the Commission.

2) Abnormal operating conditions, including during any period of catastrophe, natural disaster or other unusual event not in the Company's control, affecting more than ten percent of the customers in an operating area. Niagara Mohawk

may petition for the exclusion of performance data associated with such an event. The petition should include justification for exclusion, as well as a detailed analysis of the Company's performance prior to and subsequent to the event.

3) Events that result from orders by the New York State Independent System Operator that are not a result of inappropriate actions by the Company. Niagara Mohawk may petition for the exclusion of performance data associated with such an event. The petition should include justification for exclusion as well as a detailed analysis of the Company's performance prior to and subsequent to the event.

3.0 CUSTOMER SERVICE MEASURES

A total pre-tax potential negative revenue adjustment of $19.8 million per year associated with Electric and Gas Customer Service will be allocated across the following four measures, which are described in detail in the following subsections:

1) Annual PSC Complaint Rate
2) Residential Customer Transactions Satisfaction
3) Small to Medium C&I Customer Transaction Satisfaction
4) Percentage of Calls Answered in 30 Seconds

3.1 PSC Complaint Rate

A PSC Complaint is initiated with a dispute being filed by, or on the behalf of, a consumer with the Staff of the DPS Office of Consumer Services. The calculation of the metric will be based on the methodology and exclusion/downgrade process used in the Historic Test Year (the 12 months ended December 31, 2016). This statement does not prohibit DPS Staff from making changes to its internal processes provided that those changes do not materially alter performance results.

The issue of concern forming the basis for the complaint must be one within the utility's responsibility and control, including an action, practice, or conduct of the utility or its employees. Only "charged" complaints are included in the PSC Complaint Rate metric. A complaint will be considered charged when a customer, after first having contacted Niagara Mohawk to express dissatisfaction with an action, practice, or conduct of Niagara Mohawk, and having provided Niagara Mohawk a reasonable opportunity to address the matter, contacts the Commission to express dissatisfaction with such action, practice, or conduct. A complaint will not be charged if the contact with the Commission is for an opinion or inquiry. For the purposes of the PSC Complaint Rate metric, an "opinion" is an instance where a customer is contacting the Commission to voice a view on a particular issue or condition, such as a pending rate case, a change in rates or charges or the imposition of new rates or charges, or the level of executive compensation. Matters within the responsibility or control of an alternative service provider(s) will not be counted as a PSC Complaint against Niagara Mohawk under this measure.

The measure will be as follows:

Rate Interval (Complaints per 100,000 customers)	Negative Revenue Adjustment Linear Within Ranges
<1.0	$0
=1.0	$1,117,500
>1.0 – 1.5	$1,117,500 to $7,830,000
>1.5	$7,830,000

3.2 Residential Transaction Satisfaction Index

The Residential Transaction Satisfaction Index is calculated from monthly telephone survey results of a sample of residential customer transactions with the Company occurring in each month of the calendar year.

The survey population will include all customers of the Company in that month that had any one of the following transactions with the Company:

1) Connect
2) Disconnect
3) Electric Service Orders/Gas Service Orders
4) Service Orders
5) Budget
6) High Bill
7) Collections
8) Direct Debit

The parameters of the survey include the following criteria: a) only surveys where the respondent answered question No. 28 will be considered complete; and b) approximately 600 surveys must be completed each month.

Question No. 28 on the survey will be used to measure the Company's performance under this measure. The question asks "Overall, on a scale from 1 to 10, where 1 means dissatisfied and 10 means satisfied, how satisfied are you with the service provided by National Grid?" Satisfaction is measured by a score of 8 or higher on the question.

The measure will be as follows:

Residential Transaction Satisfaction Index Interval	Negative Revenue Adjustment Linear Within Ranges
>82.0	$0
=82.0	$577,500
<82.0 – 78.0	$577,500 to $3,990,000
<78.0	$3,990,000

The Company agrees to provide Staff in advance with any proposed changes to the survey instrument (*e.g.*, additional questions/deleted questions/changes in questions) for Staff's review and comment, with a five business day turnaround for a response to the Company with any such comments or issues.

3.3 Small/Medium Commercial & Industrial (C&I) Transaction Satisfaction Index

The Small/Medium C&I Transaction Satisfaction Index is calculated from monthly telephone survey results of a sample of SC2 customer transactions with the Company occurring in each month of the calendar year.

The survey population will include all customers of the Company in that month that had any one of the following transactions with the Company:

1) Connect
2) Disconnect
3) Electric Service Orders/Gas Service Orders
4) Service Orders
5) Budget
6) High Bill
7) Collections
8) Direct Debit

The parameters of the survey include the following criteria: a) only surveys where the respondent answered question No. 28 will be considered complete; and b) approximately 120 surveys must be completed each month.

Question No. 28 on the survey will be used to measure the Company's performance under this measure. The question asks "Overall, on a scale from 1 to 10, where 1 means dissatisfied and 10 means satisfied, how satisfied are you with the service provided by National Grid?" Satisfaction is measured by a score of 8 or higher on the question.

The measure will be as follows:

C&I Transaction Satisfaction Index Interval	Negative Revenue Adjustment Linear Within Ranges
>75.1	$0
=75.1	$577,500
<75.1 to 71.1	$577,500 to $3,990,000
<71.1	$3,990,000

The Company agrees to provide Staff in advance with any proposed changes to the survey instrument (*e.g.*, additional questions/deleted questions/changes in questions) for Staff's review and comment, with a five business day turnaround for a response to the Company with any such comments or issues.

3.4 Percentage of Calls Answered within 30 Seconds

This measure is the percentage of all inbound Customer Service and Collection calls to Niagara Mohawk or its agents, regardless of location, that are answered within 30 seconds. The measure will exclude calls answered by any current or future Integrated Voice Response (IVR) applications, such as Niagara Mohawk's Customer Connection or OnCall applications. Monthly performance is reported in the quarterly reports submitted to Staff pursuant to Section 2.2.

Annual performance will be based on 12 months' data. For the year, the measure is the number of calls answered within 30 seconds as a percentage of the total calls answered during the year.

CY 2018 Calls Answered Target	
% Calls Answered Within 30 Seconds	Negative Revenue Adjustment Linear Within Ranges
>78.0	$0
=78.0	$577,500
<78.0 – 72.0	$577,500 to $3,990,000
<72.0	$3,990,000

CY 2019 Calls Answered Target	
% Calls Answered Within 30 Seconds	Negative Revenue Adjustment Linear Within Ranges
>78.8	$0
=78.8	$577,500
<78.8 – 73.6	$577,500 to $3,990,000
<73.6	$3,990,000

CY 2020 Calls Answered Target	
% Calls Answered Within 30 Seconds	Negative Revenue Adjustment Linear Within Ranges
>79.6	$0
=79.6	$577,500
<79.6 – 73.6	$577,500 to $3,990,000
<73.6	$3,990,000

4.0 ELECTRIC RELIABILITY

A total pre-tax potential negative revenue adjustment of $14 million per year associated with Electric Reliability shall be allocated across the following four measures, which are described in detail in the following subsections:

1) System Average Interruption Frequency Index
2) Customer Average Interruption Duration Index
3) Estimating
4) Inspection and Maintenance ("I&M") Program

4.1 System Average Interruption Frequency Index ("SAIFI")

The SAIFI metric will be based on data excluding major storms and other excludable events set forth under Section 2.3.

Beginning January 1, 2018, if the Company's SAIFI performance for the calendar year exceeds 1.08, the Company will incur a $4 million negative revenue adjustment.

4.2 Customer Average Interruption Duration Index ("CAIDI")

The CAIDI metric will be based on data excluding major storms and other excludable events set forth under Section 2.3.

Beginning January 1, 2018, if the Company's CAIDI performance for the calendar year exceeds 2.10, the Company will incur a $4 million negative revenue adjustment.

4.3 Estimating

For each calendar year beginning January 1, 2018, the Company will implement an estimating metric consisting of: (i) a project-specific metric and (ii) a portfolio-based metric.

Project Metric

In each calendar year, for each individual distribution or sub-transmission capital project with an initial design estimate greater than $100,000, the Company will compare

the final engineering estimate of each such project with the total actual costs for the project. The Company will be subject to up to a $3 million negative revenue adjustment as indicated in the table below based on the percentage of individual projects whose actual costs are within plus or minus 25 percent of their respective final engineering estimates.

Percent of Projects with Final Costs within +/-25% of Final Engineering Estimate	Negative Revenue Adjustment
≥ 80%	$0
≥ 70% but < 80%	$1 million
≥ 60% but < 70%	$2 million
<60%	$3 million

Portfolio Metric

In each calendar year, the Company will compare the sum of all final project actual costs against the sum of all associated final engineering estimates. If the sum of actual project costs differs from the sum of associated project final engineering estimates by more than plus or minus 15 percent, the Company will be subject to a $1 million negative revenue adjustment.

Projects not subject to the Project Metric and not included in the Portfolio Metric include: (1) Distributed Generation ("DG"), (2) Underground Residential Development ("URD"), (3) Programs, and (4) Substations. For calculation purposes of both metrics, the Company may normalize overheads to calculate "effective rates" for overheads to be applied to the final engineering estimate of a project at the end of the project lifecycle for comparison to actual project costs. The Company also may request exceptions for discrete projects where there are scope changes or significant circumstances (*e.g.*, external stakeholder driven changes (*e.g.*, NYSDOT Project); in-ground conditions; *et cetera*).

4.4 I&M Program

The Company is subject to a negative revenue adjustment of $1 million if it fails to repair at least 85 percent of Level II deficiencies (as defined in the Safety Orders in Case 04-M-0159 ("Safety Orders")) that have a repair due date within the respective calendar year within the time period allowed for such repairs under the Safety Orders (*i.e.*, one year).

The Company is subject to an additional negative revenue adjustment of $1 million if it fails to repair at least 75 percent of Level III deficiencies (as defined in the Safety Orders) that have a repair due date within the respective calendar year within the time period allowed for such repairs under the Safety Orders (*i.e.*, three years). The Company will meet with Staff periodically to discuss I&M program repair performance.

5.0 ACCOUNTING MECHANISM

With the exception of negative revenue adjustments that are passed back to customers under the next paragraph, Niagara Mohawk will include in the deferral account any negative revenue adjustments associated with failure to meet the Service Quality performance targets set forth above.

Whenever the performance report filed under Section 2.2, above, shows that total negative revenue adjustments of $7.5 million or more have accrued in the prior year, Niagara Mohawk will reflect the entire amount as a credit to the customer charge of each of its electric and gas customers using the following methodology. The portion of the credit associated with negative revenue adjustments relating to electric reliability will be determined by dividing the amount of electric reliability negative revenue adjustment accrued in the prior year by the number of Niagara Mohawk's total electric bills expected for the following July. The portion of the credit associated with negative revenue adjustments relating to customer service will be determined by dividing the amount of customer service negative revenue adjustment accrued in the prior year by the number of electric and gas bills expected for the following July. The credit will be implemented in July billings, will be accompanied by a bill insert explaining the credit, and will be fully reconciled through the deferral mechanism.

For deferral or refund purposes, the negative revenue adjustments will be accounted for as follows:

		Electric	**Gas**
1)	Customer Service Measures	See Attachment 1, Table 1	
2)	Electric Reliability Measures	See Attachment 1, Table 2 (electric only)	

6.0 COMMISSION AUTHORITY

The Signatory Parties explicitly recognize that the Commission has the authority to modify the Service Quality Assurance Program for prospective application at any time, if, in its opinion, acceptable Service Quality is not maintained.

Niagara Mohawk Power Corporation d/b/a National Grid
NY PSC Case 17-E-0238 & 17-G-0239
Annual PSC Complaint Rate (Complaints per 100,000 customers)
Calendar Year 2018-2021

Index	Electric	Gas	Total
5.0	5,872,500	1,957,500	7,830,000
4.9	5,872,500	1,957,500	7,830,000
4.8	5,872,500	1,957,500	7,830,000
4.7	5,872,500	1,957,500	7,830,000
4.6	5,872,500	1,957,500	7,830,000
4.5	5,872,500	1,957,500	7,830,000
4.4	5,872,500	1,957,500	7,830,000
4.3	5,872,500	1,957,500	7,830,000
4.2	5,872,500	1,957,500	7,830,000
4.1	5,872,500	1,957,500	7,830,000
4.0	5,872,500	1,957,500	7,830,000
3.9	5,872,500	1,957,500	7,830,000
3.8	5,872,500	1,957,500	7,830,000
3.7	5,872,500	1,957,500	7,830,000
3.6	5,872,500	1,957,500	7,830,000
3.5	5,872,500	1,957,500	7,830,000
3.4	5,872,500	1,957,500	7,830,000
3.3	5,872,500	1,957,500	7,830,000
3.2	5,872,500	1,957,500	7,830,000
3.1	5,872,500	1,957,500	7,830,000
3.0	5,872,500	1,957,500	7,830,000
2.9	5,872,500	1,957,500	7,830,000
2.8	5,872,500	1,957,500	7,830,000
2.7	5,872,500	1,957,500	7,830,000
2.6	5,872,500	1,957,500	7,830,000
2.5	5,872,500	1,957,500	7,830,000
2.4	5,536,875	1,845,625	7,382,500
2.3	5,201,250	1,733,750	6,935,000
2.2	4,865,625	1,621,875	6,487,500
2.1	4,530,000	1,510,000	6,040,000
2.0	4,194,375	1,398,125	5,592,500
1.9	3,858,750	1,286,250	5,145,000
1.8	3,523,125	1,174,375	4,697,500
1.7	3,187,500	1,062,500	4,250,000
1.6	2,851,875	950,625	3,802,500
1.5	2,516,250	838,750	3,355,000
1.4	2,180,625	726,875	2,907,500
1.3	1,845,000	615,000	2,460,000
1.2	1,509,375	503,125	2,012,500
1.1	1,173,750	391,250	1,565,000
1.0	838,125	279,375	1,117,500

Niagara Mohawk Power Corporation d/b/a National Grid
NY PSC Case 17-E-0238 & 17-G-0239
Residential Transaction Satisfaction Index
Calendar Year 2018-2021

Index	Electric	Gas	Total
78.0	2,992,500	997,500	3,990,000
78.1	2,928,516	976,172	3,904,688
78.2	2,864,531	954,844	3,819,375
78.3	2,800,547	933,516	3,734,063
78.4	2,736,563	912,188	3,648,750
78.5	2,672,578	890,859	3,563,438
78.6	2,608,594	869,531	3,478,125
78.7	2,544,609	848,203	3,392,813
78.8	2,480,625	826,875	3,307,500
78.9	2,416,641	805,547	3,222,188
79.0	2,352,656	784,219	3,136,875
79.1	2,288,672	762,891	3,051,563
79.2	2,224,688	741,563	2,966,250
79.3	2,160,703	720,234	2,880,938
79.4	2,096,719	698,906	2,795,625
79.5	2,032,734	677,578	2,710,313
79.6	1,968,750	656,250	2,625,000
79.7	1,904,766	634,922	2,539,688
79.8	1,840,781	613,594	2,454,375
79.9	1,776,797	592,266	2,369,063
80.0	1,712,813	570,938	2,283,750
80.1	1,648,828	549,609	2,198,438
80.2	1,584,844	528,281	2,113,125
80.3	1,520,859	506,953	2,027,813
80.4	1,456,875	485,625	1,942,500
80.5	1,392,891	464,297	1,857,188
80.6	1,328,906	442,969	1,771,875
80.7	1,264,922	421,641	1,686,563
80.8	1,200,938	400,313	1,601,250
80.9	1,136,953	378,984	1,515,938
81.0	1,072,969	357,656	1,430,625
81.1	1,008,984	336,328	1,345,313
81.2	945,000	315,000	1,260,000
81.3	881,016	293,672	1,174,688
81.4	817,031	272,344	1,089,375
81.5	753,047	251,016	1,004,063
81.6	689,063	229,688	918,750
81.7	625,078	208,359	833,438
81.8	561,094	187,031	748,125
81.9	497,109	165,703	662,813
82.0	433,125	144,375	577,500

Niagara Mohawk Power Corporation d/b/a National Grid
Small/Medium Commercial & Industrial (C&I) Transaction Satisfaction Index
NY PSC Case 17-E-0238 & 17-G-0239
Calendar Year 2018-2021

Index	Electric	Gas	Total
71.1	2,992,500	997,500	3,990,000
71.2	2,928,516	976,172	3,904,688
71.3	2,864,531	954,844	3,819,375
71.4	2,800,547	933,516	3,734,063
71.5	2,736,563	912,188	3,648,750
71.6	2,672,578	890,859	3,563,438
71.7	2,608,594	869,531	3,478,125
71.8	2,544,609	848,203	3,392,813
71.9	2,480,625	826,875	3,307,500
72.0	2,416,641	805,547	3,222,188
72.1	2,352,656	784,219	3,136,875
72.2	2,288,672	762,891	3,051,563
72.3	2,224,688	741,563	2,966,250
72.4	2,160,703	720,234	2,880,938
72.5	2,096,719	698,906	2,795,625
72.6	2,032,734	677,578	2,710,313
72.7	1,968,750	656,250	2,625,000
72.8	1,904,766	634,922	2,539,688
72.9	1,840,781	613,594	2,454,375
73.0	1,776,797	592,266	2,369,063
73.1	1,712,813	570,938	2,283,750
73.2	1,648,828	549,609	2,198,438
73.3	1,584,844	528,281	2,113,125
73.4	1,520,859	506,953	2,027,813
73.5	1,456,875	485,625	1,942,500
73.6	1,392,891	464,297	1,857,188
73.7	1,328,906	442,969	1,771,875
73.8	1,264,922	421,641	1,686,563
73.9	1,200,938	400,313	1,601,250
74.0	1,136,953	378,984	1,515,938
74.1	1,072,969	357,656	1,430,625
74.2	1,008,984	336,328	1,345,313
74.3	945,000	315,000	1,260,000
74.4	881,016	293,672	1,174,688
74.5	817,031	272,344	1,089,375
74.6	753,047	251,016	1,004,063
74.7	689,063	229,688	918,750
74.8	625,078	208,359	833,438
74.9	561,094	187,031	748,125
75.0	497,109	165,703	662,813
75.1	433,125	144,375	577,500

Niagara Mohawk Power Corporation d/b/a National Grid
Percentage of Calls Answered within 30 Seconds
NY PSC Case 17-E-0238 & 17-G-0239
Calendar Year 2018-2021

CY 2018			
Index	Electric	Gas	Total
72.0	2,992,500	997,500	3,990,000
72.1	2,949,844	983,281	3,933,125
72.2	2,907,188	969,063	3,876,250
72.3	2,864,531	954,844	3,819,375
72.4	2,821,875	940,625	3,762,500
72.5	2,779,219	926,406	3,705,625
72.6	2,736,563	912,188	3,648,750
72.7	2,693,906	897,969	3,591,875
72.8	2,651,250	883,750	3,535,000
72.9	2,608,594	869,531	3,478,125
73.0	2,565,938	855,313	3,421,250
73.1	2,523,281	841,094	3,364,375
73.2	2,480,625	826,875	3,307,500
73.3	2,437,969	812,656	3,250,625
73.4	2,395,313	798,438	3,193,750
73.5	2,352,656	784,219	3,136,875
73.6	2,310,000	770,000	3,080,000
73.7	2,267,344	755,781	3,023,125
73.8	2,224,688	741,563	2,966,250
73.9	2,182,031	727,344	2,909,375
74.0	2,139,375	713,125	2,852,500
74.1	2,096,719	698,906	2,795,625
74.2	2,054,063	684,688	2,738,750
74.3	2,011,406	670,469	2,681,875
74.4	1,968,750	656,250	2,625,000
74.5	1,926,094	642,031	2,568,125
74.6	1,883,438	627,813	2,511,250
74.7	1,840,781	613,594	2,454,375
74.8	1,798,125	599,375	2,397,500
74.9	1,755,469	585,156	2,340,625
75.0	1,712,813	570,938	2,283,750
75.1	1,670,156	556,719	2,226,875
75.2	1,627,500	542,500	2,170,000
75.3	1,584,844	528,281	2,113,125
75.4	1,542,188	514,063	2,056,250
75.5	1,499,531	499,844	1,999,375
75.6	1,456,875	485,625	1,942,500
75.7	1,414,219	471,406	1,885,625
75.8	1,371,563	457,188	1,828,750
75.9	1,328,906	442,969	1,771,875
76.0	1,286,250	428,750	1,715,000
76.1	1,243,594	414,531	1,658,125
76.2	1,200,938	400,313	1,601,250
76.3	1,158,281	386,094	1,544,375
76.4	1,115,625	371,875	1,487,500
76.5	1,072,969	357,656	1,430,625
76.6	1,030,313	343,438	1,373,750
76.7	987,656	329,219	1,316,875
76.8	945,000	315,000	1,260,000
76.9	902,344	300,781	1,203,125
77.0	859,688	286,563	1,146,250
77.1	817,031	272,344	1,089,375
77.2	774,375	258,125	1,032,500
77.3	731,719	243,906	975,625
77.4	689,063	229,688	918,750
77.5	646,406	215,469	861,875
77.6	603,750	201,250	805,000
77.7	561,094	187,031	748,125
77.8	518,438	172,813	691,250
77.9	475,781	158,594	634,375
78.0	433,125	144,375	577,500

CY 2019			
Index	Electric	Gas	Total
73.6	2,992,500	997,500	3,990,000
73.7	2,943,281	981,094	3,924,375
73.8	2,894,063	964,688	3,858,750
73.9	2,844,844	948,281	3,793,125
74.0	2,795,625	931,875	3,727,500
74.1	2,746,406	915,469	3,661,875
74.2	2,697,188	899,063	3,596,250
74.3	2,647,969	882,656	3,530,625
74.4	2,598,750	866,250	3,465,000
74.5	2,549,531	849,844	3,399,375
74.6	2,500,313	833,438	3,333,750
74.7	2,451,094	817,031	3,268,125
74.8	2,401,875	800,625	3,202,500
74.9	2,352,656	784,219	3,136,875
75.0	2,303,438	767,813	3,071,250
75.1	2,254,219	751,406	3,005,625
75.2	2,205,000	735,000	2,940,000
75.3	2,155,781	718,594	2,874,375
75.4	2,106,563	702,188	2,808,750
75.5	2,057,344	685,781	2,743,125
75.6	2,008,125	669,375	2,677,500
75.7	1,958,906	652,969	2,611,875
75.8	1,909,688	636,563	2,546,250
75.9	1,860,469	620,156	2,480,625
76.0	1,811,250	603,750	2,415,000
76.1	1,762,031	587,344	2,349,375
76.2	1,712,813	570,938	2,283,750
76.3	1,663,594	554,531	2,218,125
76.4	1,614,375	538,125	2,152,500
76.5	1,565,156	521,719	2,086,875
76.6	1,515,938	505,313	2,021,250
76.7	1,466,719	488,906	1,955,625
76.8	1,417,500	472,500	1,890,000
76.9	1,368,281	456,094	1,824,375
77.0	1,319,063	439,688	1,758,750
77.1	1,269,844	423,281	1,693,125
77.2	1,220,625	406,875	1,627,500
77.3	1,171,406	390,469	1,561,875
77.4	1,122,188	374,063	1,496,250
77.5	1,072,969	357,656	1,430,625
77.6	1,023,750	341,250	1,365,000
77.7	974,531	324,844	1,299,375
77.8	925,313	308,438	1,233,750
77.9	876,094	292,031	1,168,125
78.0	826,875	275,625	1,102,500
78.1	777,656	259,219	1,036,875
78.2	728,438	242,813	971,250
78.3	679,219	226,406	905,625
78.4	630,000	210,000	840,000
78.5	580,781	193,594	774,375
78.6	531,563	177,188	708,750
78.7	482,344	160,781	643,125
78.8	433,125	144,375	577,500

CY 2020-2021			
Index	Electric	Gas	Total
73.6	2,992,500	997,500	3,990,000
73.7	2,949,844	983,281	3,933,125
73.8	2,907,188	969,063	3,876,250
73.9	2,864,531	954,844	3,819,375
74.0	2,821,875	940,625	3,762,500
74.1	2,779,219	926,406	3,705,625
74.2	2,736,563	912,188	3,648,750
74.3	2,693,906	897,969	3,591,875
74.4	2,651,250	883,750	3,535,000
74.5	2,608,594	869,531	3,478,125
74.6	2,565,938	855,313	3,421,250
74.7	2,523,281	841,094	3,364,375
74.8	2,480,625	826,875	3,307,500
74.9	2,437,969	812,656	3,250,625
75.0	2,395,313	798,438	3,193,750
75.1	2,352,656	784,219	3,136,875
75.2	2,310,000	770,000	3,080,000
75.3	2,267,344	755,781	3,023,125
75.4	2,224,688	741,563	2,966,250
75.5	2,182,031	727,344	2,909,375
75.6	2,139,375	713,125	2,852,500
75.7	2,096,719	698,906	2,795,625
75.8	2,054,063	684,688	2,738,750
75.9	2,011,406	670,469	2,681,875
76.0	1,968,750	656,250	2,625,000
76.1	1,926,094	642,031	2,568,125
76.2	1,883,438	627,813	2,511,250
76.3	1,840,781	613,594	2,454,375
76.4	1,798,125	599,375	2,397,500
76.5	1,755,469	585,156	2,340,625
76.6	1,712,813	570,938	2,283,750
76.7	1,670,156	556,719	2,226,875
76.8	1,627,500	542,500	2,170,000
76.9	1,584,844	528,281	2,113,125
77.0	1,542,188	514,063	2,056,250
77.1	1,499,531	499,844	1,999,375
77.2	1,456,875	485,625	1,942,500
77.3	1,414,219	471,406	1,885,625
77.4	1,371,563	457,188	1,828,750
77.5	1,328,906	442,969	1,771,875
77.6	1,286,250	428,750	1,715,000
77.7	1,243,594	414,531	1,658,125
77.8	1,200,938	400,313	1,601,250
77.9	1,158,281	386,094	1,544,375
78.0	1,115,625	371,875	1,487,500
78.1	1,072,969	357,656	1,430,625
78.2	1,030,313	343,438	1,373,750
78.3	987,656	329,219	1,316,875
78.4	945,000	315,000	1,260,000
78.5	902,344	300,781	1,203,125
78.6	859,688	286,563	1,146,250
78.7	817,031	272,344	1,089,375
78.8	774,375	258,125	1,032,500
78.9	731,719	243,906	975,625
79.0	689,063	229,688	918,750
79.1	646,406	215,469	861,875
79.2	603,750	201,250	805,000
79.3	561,094	187,031	748,125
79.4	518,438	172,813	691,250
79.5	475,781	158,594	634,375
79.6	433,125	144,375	577,500

Niagara Mohawk Power Corporation d/b/a National Grid
NY PSC Case 17-E-0238 & 17-G-0239
Electric Reliability
Service Quality Negative Revenue Adjustment Calculations

System Average Interruption Frequency Index	SAIFI Calendar Year 2018-2021
SAIFI (number of outages per customer per year)	Total
1.08 or below	-
Greater than 1.08	4,000,000

Niagara Mohawk Power Corporation d/b/a National Grid
NY PSC Case 17-E-0238 & 17-G-0239
Electric Reliability
Service Quality Negative Revenue Adjustment Calculations

Customer Average Interruption Duration Index	CAIDI Calendar Year 2018-2021
CAIDI (average hours per interruption)	Total
2.10 or below	-
Greater than 2.10	4,000,000

Niagara Mohawk Power Corporation d/b/a National Grid
NY PSC Case 17-E-0238 & 17-G-0239
Electric Reliability
Service Quality Negative Revenue Adjustment Calculations

		Estimating Calendar Year 2018-2021
Estimating		Total
	Project Metric	
	>=80%	-
	Between 70% and 80%	1,000,000
	Between 60% and 70%	2,000,000
	<60%	3,000,000
	Portfolio Metric	
	Between -15% and 15% difference	-
	More than -15% or 15%	1,000,000

Niagara Mohawk Power Corporation d/b/a National Grid
NY PSC Case 17-E-0238 & 17-G-0239
Electric Reliability
Service Quality Negative Revenue Adjustment Calculations

	I&M Program Calendar Year 2018-2021
Inspection & Maintenance ("I&M") Program	Total
Repair >=85% of Level II deficiencies	-
Failure to repair at least 85% of Level II deficiencies (as defined in the Safety Orders)	1,000,000
Repair >=75% of Level II deficiencies	-
Failure to repair at least 75% of Level III deficiencies (as defined in the Safety Orders)	1,000,000

APPENDIX 16

Corporate Structure, Affiliate Rules, and Miscellaneous Corporate Provisions

1.0 Corporate Structure and Affiliate Rules

1.1 Definitions used in this document

UK HoldCo – the top-level holding company in the National Grid group. This is National Grid plc or its successor as the ultimate parent company.

US HoldCo – the immediate parent and holding company for National Grid's US Utility operations. This is National Grid USA or its successor.

As used in this Section 1.0, "HoldCo" refers to both UK HoldCo and US HoldCo. Where explicit reference to one of the HoldCos is required, the term "UK HoldCo" or "US HoldCo" will be used.

RegCo or Niagara Mohawk – means Niagara Mohawk Power Corporation or its successor. Niagara Mohawk Power Corporation is a wholly owned indirect subsidiary of US HoldCo and carries on regulated transmission and electric and gas distribution services.

ServiceCo – means National Grid USA Service Company, Inc. and National Grid Engineering & Survey Inc., or any successor(s) thereto, which provide a variety of traditional corporate and administrative services.

Unregulated Competitive Energy Affiliate(s) – means any of US HoldCo's current or future unregulated affiliates engaged in competitive energy markets in New York State, including but not limited to exploration and/or production, generation, distributed energy resources ("DER"), retail energy services, or HVAC services.

Unregulated Affiliate(s) – means any of US HoldCo's current or future affiliates engaged in competitive retail services that Niagara Mohawk contracts for or provides.

National Grid Other Affiliates – means affiliates of HoldCo, including affiliates of Niagara Mohawk, but excluding Unregulated Competitive Energy Affiliates and Unregulated Affiliates.

1.2 Rules Governing Affiliate Transactions

1.2.1 Separation and Location

RegCo, HoldCo, Unregulated Competitive Energy Affiliates, Unregulated Affiliates, and National Grid Other Affiliates will each be operated as separate entities and will maintain separate books and records of account. RegCo, HoldCo, ServiceCo, and National Grid Other Affiliates may occupy the same building. RegCo may also share premises with National Grid's affiliates engaged in regulated gas and/or electric transmission and/or distribution operations if

such sharing provides for efficiencies in occupancy and use of resources. RegCo may not share a building with any Unregulated Competitive Energy Affiliates or Unregulated Affiliates.

1.2.2 Board of Directors

A majority of the RegCo Board of Directors will be Eligible Directors. An Eligible Director is any individual who is not (i) an officer or director of HoldCo or (ii) an officer or director of any Unregulated Competitive Energy Affiliate or Unregulated Affiliate. No member of the RegCo Board of Directors will also be an employee, officer, or director of any Unregulated Competitive Energy Affiliate or Unregulated Affiliate. No member of the RegCo Board of Directors will also be an employee, officer, or director of any unaffiliated competitive energy firm engaged in exploration and/or production, generation, retail energy services or HVAC services in RegCo's service territory. No member of the RegCo Board of Directors will also be an employee, officer, or director of any unaffiliated firm engaged in competitive retail services that Niagara Mohawk contracts for or provides.

1.2.3 Accounting Issues and Dividend Limitations

1.2.3.1 Dividend Payments

Provided that the Dividend Restrictions set forth in Section 2 of the Financial Protections adopted in the Commission's March 28, 2008 Order in Cases 01-M-0075 and 06-M-0878 do not apply and subject to compliance with Section 1.2.3.2 below, Niagara Mohawk will be permitted to pay dividends in any year up to any amount permitted under applicable law.

1.2.3.2 Debt Limit

For purposes of this Section 1.2.3.2, "Average Total Debt" is defined as an amount equal to (i) long-term debt, plus (ii) notes payable (including current maturities of long-term debt) appearing on Niagara Mohawk's consolidated balance sheet. "Average Total Capital" is defined as the sum of (i) Average Total Debt, (ii) common shareholder equity (excluding goodwill), and (iii) preferred stock. It is expected that, for any six month period ending at the end of a quarter, Niagara Mohawk's Average Total Debt ratio will not exceed 55 percent of its Average Total Capital, excluding goodwill.

If the Company's Average Total Debt ratio does not exceed 55 percent for the most recent six or three month period ending at the end of a quarter, there will be no dividend restrictions. If the Company's Average Total Debt ratio exceeds 55 percent for both the most recent three and six month periods, but does not exceed 57 percent in the most recent three or six month period, then Niagara Mohawk will be permitted to pay dividends up to an amount equal to but no greater than 50 percent of its net income for the previous twelve months ending at the end of a quarter until its Average Total Debt ratio for the most recent six month period ending at the end of a quarter is less than or equal to 55 percent. In addition, absent a Commission order to the contrary, if during both the most recent six and three month period ending at the end of a quarter, Niagara Mohawk's Average Total Debt ratio exceeds 57 percent, then the Company will not pay further

dividends until the Average Total Debt ratio is reduced to 55 percent or less over the most recent six months ending at the end of a quarter.

1.2.3.3 Bond Ratings and the Cost of Debt

If the bond rating of Niagara Mohawk falls below BBB- (Standard & Poor's) or Baa3 (Moody's), then the price of any long-term debt issued by Niagara Mohawk during the period of such reduced credit rating will be deemed, for the purpose of establishing revised electric or gas base delivery rates, to be the market price Niagara Mohawk would have incurred for issuance of the debt had the debt been issued by a BBB- (Standard & Poor's) or Baa3 (Moody's) utility at the same issue date, and any resulting difference in interest expense will be disallowed for ratemaking purposes. Niagara Mohawk's earnings sharing reports will reflect the actual debt rates outstanding for Niagara Mohawk. This provision completely supersedes Section 3 of the Financial Protections adopted in the Commission's March 28, 2008 Order in Cases 01-M-0075 and 06-M-0878.

1.2.3.4 Debt and Equity Components Used for Ratemaking Purposes

The debt and equity components used to establish Niagara Mohawk's rates will be established in individual rate proceedings.

1.2.3.5 Additional Financial Protections

Except for those noted as superseded herein, the Commission's financial protections in the terms and conditions of its (i) May 15, 2009 and July 29, 2009 Orders in Case 08-M-1352 and (ii) March 28, 2008 and May 29, 2008 Orders in Cases 01-M-0075 and 06-M-0878 continue in full force and effect.

1.2.4 Cost Allocation and Audit

1.2.4.1 Appropriate cost allocation procedures will be followed by HoldCo and its affiliates to assure the proper allocation on a fully distributed basis, to HoldCo, RegCo, or other affiliates of the costs of any HoldCo personnel, property or services used by RegCo or other affiliates of HoldCo.

1.2.4.2 Any future revisions to cost allocation methodologies of ServiceCo will be filed with the Secretary of the Commission.

1.2.4.3 The FERC carries out regular audits of ServiceCo. Such audits include examination of authorized cost allocation calculations and a review of internal audit policies, procedures and reports. DPS Staff will be invited to participate in such audits, in order to receive assurance that applicable transactions and/or allocations are being carried out in a compliant fashion. DPS Staff will also receive copies of all reports issued to the Company by the SEC or FERC as a result of such audits.

1.2.4.4 The Company will meet annually with DPS Staff to review all aspects of cost allocations and their application.

1.2.4.5 If at any time the Company becomes aware of events likely to cause a reconsideration of or material change to cost allocations, it will advise Staff and arrange a meeting in order to consider those issues at that time.

1.2.5 Transfer of Assets from or to RegCo

Transfers of assets (or rights to use such assets) from RegCo to Unregulated Competitive Energy Affiliate(s) and Unregulated Affiliate(s) will be priced at the higher of book value or fair market value and will be subject to Commission approval, except as otherwise provided in Mutual Assistance Agreements. Transfer of assets (or rights to use such assets) from Unregulated Competitive Energy Affiliate(s) and Unregulated Affiliate(s) to RegCo will be priced at the lower of cost or fair market value.

1.2.6 Transfer of Services

The provision of corporate services will be subject to written contracts that, as applicable, identify the personnel, assets, and services that will be provided. The services will be provided on a fully loaded cost basis. The RegCo, HoldCo, ServiceCo, Unregulated Competitive Energy Affiliates, Unregulated Affiliates and National Grid Other Affiliates may be covered by common property/casualty and other business insurance policies. The costs of such policies will be allocated among the RegCo, HoldCo, ServiceCo, Unregulated Competitive Affiliates, Unregulated Affiliates and National Grid Other Affiliates in an equitable manner.

1.3 Human Resources

1.3.1 Separation of Employees and Officers

RegCo will have separate employees from Unregulated Affiliates and Unregulated Competitive Energy Affiliates. Operating officers (*i.e.*, those officers providing other than corporate services) of RegCo will not be operating officers of any of the Unregulated Affiliates and Unregulated Competitive Energy Affiliates. An officer of HoldCo may not be an officer of both RegCo and an Unregulated Affiliate or Unregulated Competitive Energy Affiliate. No RegCo employee or officer will also be an employee, officer or director of any unaffiliated competitive energy firm engaged in the exploration or production, generation, retail energy services or HVAC services in RegCo's service territory. No RegCo employee or officer will also be an employee, officer or director of any unaffiliated firm engaged in competitive retail services that Niagara Mohawk contracts for or provides.

1.3.2 Employee Transfers

1.3.2.1 If a RegCo employee accepts a position with an Unregulated Affiliate or Unregulated Competitive Energy Affiliate, he or she will be required to resign from RegCo unless there is a conflict with the collective bargaining agreement in which

case the collective bargaining agreement would control. Any such employee will be prohibited from copying or taking any non-public customer or competitively sensitive market information from RegCo.

1.3.2.2 Employees may be transferred from RegCo to an Unregulated Affiliate or Unregulated Competitive Energy Affiliate. Transferred employees may not be reemployed by RegCo for a minimum of one year after transfer. Employees returning to RegCo may not be transferred again to an Unregulated Affiliate or Unregulated Competitive Energy Affiliate for a minimum of one year. RegCo will file annual reports to the Commission showing transfers between RegCo and Unregulated Affiliates or Unregulated Competitive Energy Affiliates by employee name, former company, former position, new company, new position, and salary or annualized base compensation. There will not be any temporary employee transfers between RegCo or US HoldCo and any Unregulated Affiliates.

1.3.2.3 Except as provided in this Section 1.3.2, employees also may be transferred from RegCo to HoldCo or any National Grid Other Affiliate (and vice-versa) without restriction.

1.3.3 Employee Loans in an Emergency

The foregoing provisions in no way restrict any affiliate from loaning employees to RegCo to respond to an emergency that threatens the safety or reliability of service to customers.

1.3.4 Compensation for Transfers to Other than a Transmission or Distribution Company

A one time employee transfer credit equal to 25 percent of the employee's annual salary will be applied to the deferral account for each transfer from RegCo to any Unregulated Competitive Energy Affiliate.

1.3.5 Employee Compensation and Benefits

The compensation of RegCo employees and officers may not be tied to the financial and/or stock performance of any Unregulated Competitive Energy Affiliate or National Grid Other Affiliate, but may be tied to the financial performance of HoldCo and stock performance of UK HoldCo.

Employees of HoldCo, RegCo, Unregulated Affiliates, Unregulated Competitive Energy Affiliates and National Grid Other Affiliates may participate in common pension and benefit plans.

1.3.6 Legal Representation

RegCo will have its own senior counsel, who shall not be shared with any Unregulated Affiliate or Unregulated Competitive Energy Affiliate and whose primary responsibility is RegCo. The same law firm may represent RegCo and any affiliate on any matter other than transactions between RegCo and that affiliate. On any matter not involving such an intracorporate

transaction in which the interests of RegCo may be adverse to the interests of an affiliate, RegCo will take appropriate steps to ensure that RegCo's interests are vigorously and independently protected (such steps, by way of example and not limitation, could include having separate attorneys if a single law firm is used and creating an ethical wall as an information barrier between such attorneys to avoid any potential conflict of interest). With respect to all matters handled by outside counsel, HoldCo and its affiliates will instruct outside counsel to take all reasonable steps to ensure that non-public customer and competitively sensitive information in the possession of RegCo is not communicated to an affiliate.

1.4 Access to Books, Records and Reports

DPS Staff will have full access, on reasonable notice, and subject to resolution of confidentiality and privilege (*e.g.*, attorney client, attorney work product, self critical) issues, to: 1) the books and records of UK HoldCo and of the US HoldCo and its majority owned subsidiaries; and 2) the books and records of all other HoldCo subsidiaries or affiliates, in English, to the extent necessary to audit and monitor any transactions that have occurred between the RegCo and such subsidiaries or affiliates. Such access to books and records will be provided at the Company's Syracuse headquarters, provided however, that if such access is not practicable, access will be provided at whatever reasonable location the Company deems appropriate at the Company's expense.

DPS Staff currently receive copies of a number of internal utility documents. It is the Company's intention in the future to continue to provide information with a similar scope and content to that currently provided. However, the Company may wish to modify the form and/or content of its internal documents from time to time. In such cases the Company will discuss and agree with Staff the ongoing information requirements and the most appropriate way for them to be met in the future.

1.5 Reporting

Annually, RegCo will file reports on: transfers of assets, cost allocations, employee transfers and employees in common benefit plans. Quarterly, US HoldCo will file a list of all National Grid's SEC filings with the Commission.

1.6 Standards of Competitive Conduct

The following standards of competitive conduct shall govern RegCo's relationship with any Unregulated Competitive Energy Affiliates, Unregulated Affiliates, or National Grid Other Affiliates, in addition to any already covered by the Commission's rules governing Uniform Business Practices.

1.6.1 Use of Corporate Name and Royalties

There are no restrictions on any affiliate using the same name, trade names, trademarks, service names, service marks or a derivative of a name of the HoldCo or RegCo, or in identifying itself as being affiliated with the HoldCo or RegCo. However, no non-National Grid company will be

allowed to use the same name, trade names, trademarks, service names, service marks, or a derivative of a name of RegCo in any manner. Further, no non-National Grid company will be allowed to use the same name, trade names, trademarks, service names, service marks, or a derivative of a name of HoldCo in New York State for a period exceeding six months, provided that such use will be limited to the situation where National Grid has sold the relevant business (or the assets of the business) and restricted to (i) use of the National Grid logo during the pendency of the transition to new ownership (*e.g.*, vehicle and facility signage) and (ii) educating customers about the sales transaction and the impacts on customers. During that six month period, DPS Staff will be given the opportunity to preview any communication using National Grid's name or logo that is to be sent from a non-National Grid company to National Grid's utility customers in New York. DPS Staff may, in the exercise of reasonable discretion, reject any customer communication it deems not in compliance with this section by providing National Grid with written notice of its specific objections. A communication will be deemed acceptable unless DPS Staff objects in a writing received by the Company within five business days of Staff's receipt of such communication from National Grid. DPS Staff and the Company will work collaboratively to resolve any disagreement as to the content of the communication.

1.6.2 <u>Sales Leads</u>

RegCo will not provide sales leads involving customers in its service territory to any affiliate or non-affiliated companies without the advanced permission of the Commission.

1.6.3 <u>Customer Inquiries</u>

If a customer requests information about securing any service or product offered by energy services companies ("ESCos"), the RegCo may provide a list of all known ESCos operating in the area, which may include its Unregulated Competitive Energy Affiliate(s).

1.6.4 <u>Customer Information</u>

Except for purposes of complying with applicable statutes, regulations, and orders, RegCo will not disclose to any Unregulated Competitive Energy Affiliate(s), Unregulated Affiliate(s), or nonaffiliates any customer information about its electric and gas businesses that may provide a competitive advantage in the electric or gas markets. Customer information includes, but is not limited to, confidential information that RegCo receives from a customer, prospective customer, or marketer that is not available from sources other than RegCo, unless RegCo makes such information available to all competitors on an equal basis.

RegCo will restrict access to customer information to only those employees of RegCo, or affiliates or non-affiliates whose functions require that they have access to such information. Such employees will be instructed to maintain the confidentiality of such information.

1.6.5 <u>No Advantage Gained by Dealing with Affiliate</u>

1.6.5.1 RegCo will refrain from giving any appearance that RegCo speaks on behalf of an affiliate or that an affiliate, other than ServiceCo, speaks on behalf

of the RegCo. RegCo will not participate in any joint promotion or marketing with its Unregulated Competitive Energy Affiliates or Unregulated Affiliates.

1.6.5.2 RegCo will not represent to any customer, supplier, or third party that an advantage may accrue to such customer, supplier, or third party in the use of the RegCos services as a result of that customer, supplier, or third party dealing with any affiliate.

1.6.5.3 RegCo's affiliates will not represent to any customer, supplier, or third party that an advantage may accrue to such customer, supplier, or third party in the use of the RegCo's services as a result of that customer, supplier, or third party dealing with that affiliate.

1.6.5.4 RegCo will not cross-subsidize any Unregulated Competitive Energy Affiliate(s) or Unregulated Affiliate(s).

1.6.5.5 Release of proprietary customer information relating to customers within the RegCo's service territory will be subject to prior authorization by the customer and subject to the customer's direction regarding the person(s) to whom such information may be released. If a customer authorizes the release of information to a RegCo affiliate and one or more of the affiliate's competitors, RegCo will make that information available to the affiliate and such competitors on an equal basis.

1.6.5.6 RegCo will not disclose to its affiliates any customer or marketer information relative to its service territory that it receives from a marketer, customer, or potential customer that is not available from sources other than RegCo, unless it discloses such information to its affiliates' competitors contemporaneously on an equal basis to the extent practicable.

1.6.5.7 RegCo will use competitive bidding practices or standard offers to purchase DER until such time as the Commission determines otherwise. If a RegCo affiliate participates in a competitive bidding process for DER procurement, RegCo will engage an independent party to monitor the DER procurement selection process.

1.6.5.8 These provisions do not restrict the use of the name of HoldCo or RegCo as set forth in Section 1.6.1.

1.6.6 <u>No Rate Discrimination</u>

All similarly situated customers, including ESCos and customers of ESCos, whether affiliated or unaffiliated, will pay the same rates for the RegCo's utility services, including those applicable to interconnections and dispatch. If there is discretion in the application of any tariff provision, RegCo must not offer its affiliate more favorable terms and conditions than it has offered to all similarly situated competitors of the affiliate. Should RegCo provide to an ESCo or a customer of an ESCo, whether affiliated or unaffiliated, a delivery, billing, metering, or other service set forth in its tariff or associated operating procedure, at a discounted or negotiated rate or pursuant

to a special arrangement, RegCo will expeditiously post on its website the information that the Commission requires a utility to file in association with providing a discounted or negotiated rate or special arrangement, subject to the Commission's trade secret rules, if applicable, in the same manner and within the same time period for affiliates and non-affiliates.

1.7 Annual Meeting

Senior management of RegCo and US HoldCo will meet annually with senior Commission Staff to discuss the Company's plans related to capital attraction and financial performance.

1.8 Training and Certification/Adherence to Standards

1.8.1 US HoldCo and RegCo will conduct training on these principles for officers, directors, and senior managers. On an annual basis, designated officers should provide certification to the Commission of the Company's adherence to these standards.

1.8.2 Additionally, all RegCo employees will receive annual training on Section 1.6, Standards of Competitive Conduct, to include the types of information that may or may not be shared and RegCo policies and procedures restricting information sharing, with verification that such training has been completed.

1.8.3 If the Commission at any time makes a finding that it believes that compliance with these provisions has been lacking the Commission can order RegCo to pay for an independent auditor review of all applicable transactions and/or allocations.

1.9 Commercialization of Products and Technologies Developed as a Result of Research and Development

The Company's affiliates may invest in commercialization of R&D products and technologies developed by RegCo consistent with its affiliate rules. If an affiliate elects to invest, it will fairly compensate RegCo, assume the business risk(s) and will be entitled to the benefits associated with that investment.

1.10 Dispute Resolution

If any competitor, whether an affiliated or non-affiliated company, or customer of RegCo, believes that RegCo has acted in violation of Section 1.2, Rules Governing Affiliate Transactions, and/or Section 1.6, Standards of Competitive Conduct, such competitor or customer may provide RegCo with a written notice of the complaint. RegCo will respond to any such complaint within twenty (20) business days after receipt of the complaint. Within fifteen (15) business days after responding to such complaint, the parties will meet in an attempt to resolve the matter informally. If the parties do not meet or are not successful in resolving the matter informally, then the complainant may refer the matter to the Commission for disposition within fifteen (15) business days of filing such response, or in the event the parties meet, within fifteen (15) business days of such meeting. The Commission will maintain continuing jurisdiction over Section 1.2, Rules Governing Affiliate Transactions, and Section 1.6, Standards

of Competitive Conduct. This dispute resolution process will also be posted on RegCo's website.

2.0 Miscellaneous Corporate Provisions

2.1 Monthly Deferral Submittal

A monthly update of the deferral account balances for Niagara Mohawk's deferral accounts will be provided to on-site Staff in Syracuse, New York as close as possible to the 15th day of the following month, but in any event no later than the 21st day of the month following closing. The monthly updates will contain page referenced summaries, and will include adequate and legible backup support; the pages will be numbered, and the name and telephone number of the Company contact person responsible for each entry should be provided.

2.2 Reports

2.2.1 Niagara Mohawk will provide designated audit Staff with monthly general ledger reports, monthly financial report(s), and journal entries, as close as possible to the 15th day of the following month, but in any event no later than the 21st day of the month following closing.

2.2.2 Niagara Mohawk will provide designated audit Staff other reports on a timely basis. These reports include: Board of Director minutes, Commodity Adjustment Clause ("CAC") monthly filing, Transmission Revenue Adjustment Clause ("TRAC") monthly filing, PSC filings made by the Company, SEC filings, monthly budget variance reports, and financial performance reports. Supporting documentation for the filed CAC and TRAC amounts will also be provided. Niagara Mohawk and Staff will meet semiannually in May and November to review the population of reports being provided and to modify the reports in a manner that may be agreed upon. Niagara Mohawk agrees to provide a weekly IR status log to designated audit Staff.

2.3 PSC Annual Report

Niagara Mohawk is authorized to delay its filing of its PSC Annual Report to June 1 of each calendar year.[1]

2.4 Timely Correction of Errors and Adjustments

When the Company finds an error on the Company's books of account regulated by the Commission or agrees to an adjustment proposed by Staff, a journal entry correcting the error or making the adjustment (the "Correction") will be made. Where practicable, the journal entry will be made during the month of the determination that the Correction was required. To the extent that a journal entry cannot be made before the close of the month in which the Correction

[1] To the extent available, the Company agrees to provide DPS Staff unaudited financial information after April 30.

was acknowledged and the Correction affects an entry in an account included in the Company's monthly deferral submittal, the Company will note the pending journal entry in that monthly submittal, together with a brief description of the Correction, the date the Company acknowledged the Correction and, if possible, the amount of the Correction. In any event, the Company will make a journal entry reflecting the Correction within three months.

2.5 Adjustments to Billing Loading Factors

Niagara Mohawk will adjust third-party job order billings loading factors no more than twice each year (in April and September), provided however, that, in addition, Niagara Mohawk may adjust such loading factors at any other time in the event there is a change in such loading factor (whether positive or negative) of greater than 20 percent. The April adjustment will also include any adjustment necessary to reconcile the loading factors used during the prior period to actual amounts. Further, the Company will follow the same method for capitalizing fringe benefits into its construction costs, subject to Section 1 of Appendix 9, Electric and Gas Pension and OPEB Expense Provisions.

2.6 Internal Audits of Deferral Accounts

For each fiscal year, Niagara Mohawk will conduct internal audits on at least two different deferral accounts until otherwise ordered by the Commission. When Niagara Mohawk develops its internal audit plan, it will advise on-site Staff which deferral accounts will be audited in the upcoming fiscal year. If Niagara Mohawk proposes to audit the same deferral account in two consecutive years, Niagara Mohawk will discuss this with Staff and advise Staff of the basis for the consecutive audits. Prior to conducting each internal audit of a deferral account, Niagara Mohawk's internal audit department will interview designated audit Staff to identify potential areas of concern with respect to the eligibility of costs or revenues in that account for deferral.

2.7 Journal Entry Support

Niagara Mohawk will include with each journal entry provided to designated audit Staff a summary explanation of the purpose of the journal entry and documentation supporting and, if needed, detailing the calculations of the amounts charged to the various accounts shown.

2.8 Goodwill Not Recovered in Jurisdictional Rates

Niagara Mohawk will not recover any portion of the $1.215 billion in goodwill recorded in connection with the acquisition of Niagara Mohawk by National Grid, as shown in Attachment 8 of the Stipulation of the Parties dated March 27, 2007 in Case 01-M-0075 et al., in any rates regulated by the Commission during or after the period covered by the Merger Joint Proposal. In addition, no portion of such goodwill will be included in the equity component of Niagara Mohawk's capitalization for purposes of calculating Niagara Mohawk's return, future revenue requirements or any other component of such rates after the period covered by the Merger Joint Proposal.

2.9 Resolution of Nine Mile Sale Compliance (Case No. 01-E-0011)

With the exception of accounting resolved by Sections 7.1 - 7.4 of the Stipulation of the Parties, dated March 27, 2007 in Case 01-M-0075 *et al.*, nuclear-related costs or receipts that were unknown or unknowable at the time of the sale of the nuclear assets (for example, the results of sales tax audits, NEIL refunds, etc.) will be governed by precedent established in Case 01-E-0011 or Case No. 01-M-0075. Any adjustments resulting from any such historic or prospective costs or receipts shall be subject to audit by DPS Staff.

2.10 Operations in New York

Niagara Mohawk will notify the Commission prior to implementing any significant changes to the location(s) and/or means of delivery of services, including emergency response, associated with its customer service functions. Further, Niagara Mohawk's corporate headquarters will be maintained in Syracuse, New York. Niagara Mohawk also agrees that senior management responsible for day-to-day electric and gas operations in New York will maintain offices in New York State. To achieve customer service and reliability objectives, Niagara Mohawk agrees to maintain a level of workforce in New York that, in its view, is sufficient to achieve these objectives and to utilize all other necessary resources, including but not limited to, internal and external human resources, and investments in plant and technology.