A map of New England and Eastern Canada is shown in the background. The landmasses are in a light grey tone, and the surrounding water is white. A blue grid of latitude and longitude lines is overlaid on the map. The title text is positioned in the upper right area of the map.

Climate Change Roadmap

*for New England
and Eastern Canada*

Appendix



**Environment
Northeast**

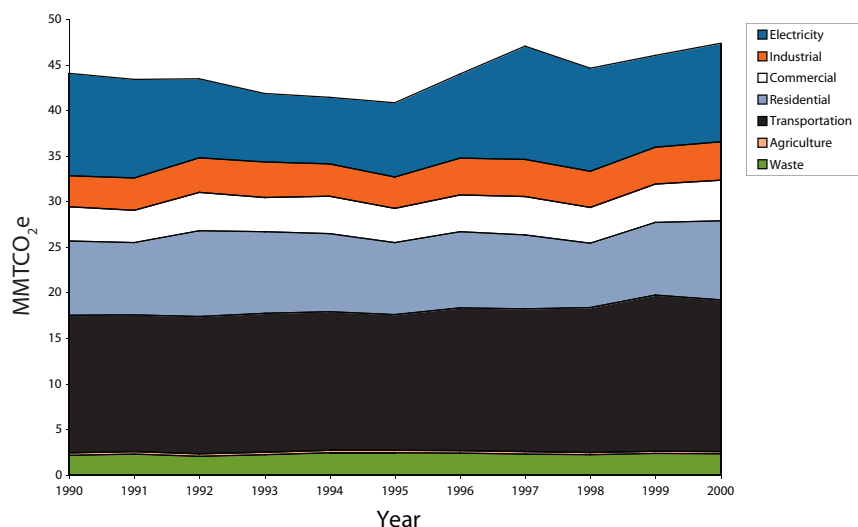
Appendix

State Data: Connecticut

Population	3,405,565
Area	4,845 sq. mi. (12,528 sq. km.)
Gross State Product (GSP) (M USD)	\$160,685

GHG Inventory

Historical Greenhouse Gas Emissions

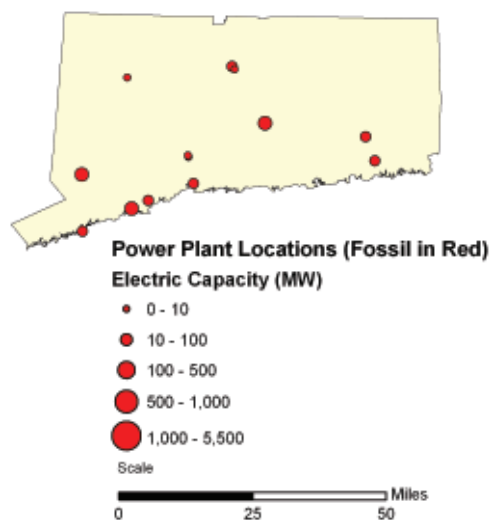


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because states either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

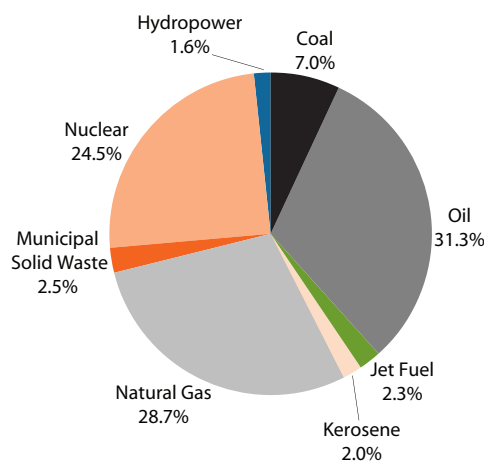
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: EPA E-Grid

Electric Generation Capacity in 2004



Total Electric Generation Capacity: 8,011 MW

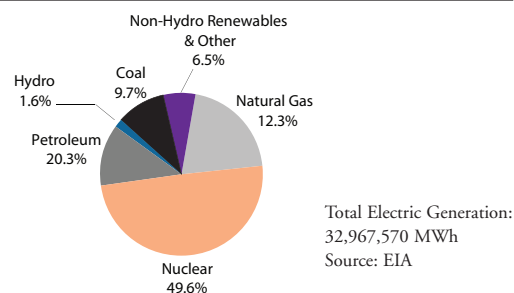
Source: EIA

Appendix

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
CT	901,698	0.26	5.60
NE-EC	5,952,405	0.25	6.96

Total Electric Generation in 2000



Transportation

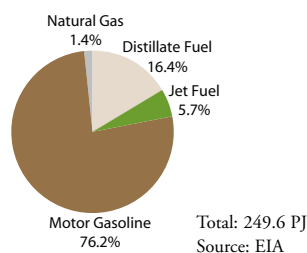
VMT for Light Duty Vehicles (2003)²

2000	27,847.45	Million miles
2003	29,427.82	Million miles
Yearly Change	1.89	%

Heavy Duty Vehicles: PM2.5 Emissions from Diesels (2002)³

Highway diesel vehicles	997	Metric tons
Off-road use of diesel	1,049	Metric tons
Total PM 2.5 emissions	2,046	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)

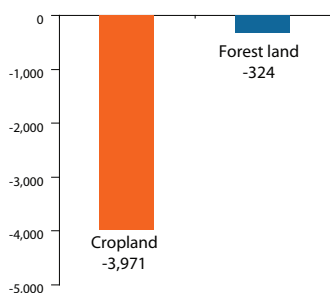


Forestry and Land Use Change

Forest Land Area ⁴	Non-soil Forest Stock ⁵	Annual Non-soil Forest Emissions ⁶	Annual Average Emissions from Land Use Change (ha)			
kha	MMTCO ₂ e	MMTCO ₂ e	Non-soil Forest ⁷	Forest Soil ⁸	Non-Forest Soil ⁹	Total
1,274	423.9 to 661.1	-3.9 to -13.5	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e
			5.8	45.4	6.1	57.3

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents
Negative numbers indicate sequestration.

Annual Average Land Use Change, 1997–2002



Source: USDA Census of Agriculture and Forest Service

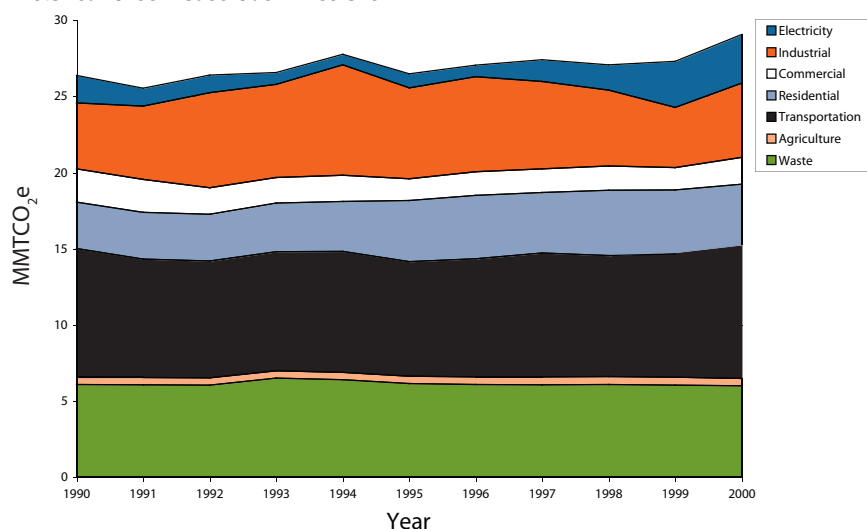
Appendix

State Data: Maine

Population	1,274,923
Area	30,862 sq. mi. (79,932 sq. km.)
Gross State Product (GSP) (M USD)	\$35,662

GHG Inventory

Historical Greenhouse Gas Emissions

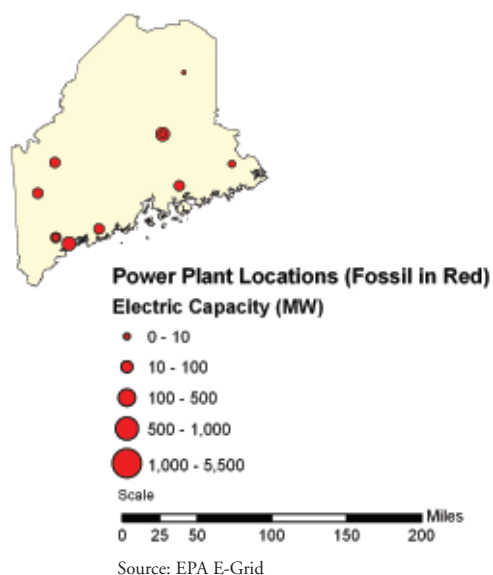


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

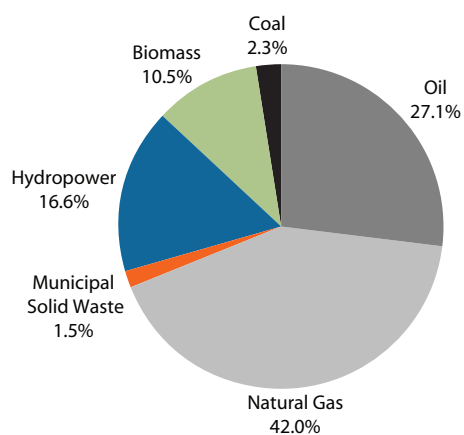
Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because states either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Electric Generation Capacity in 2004



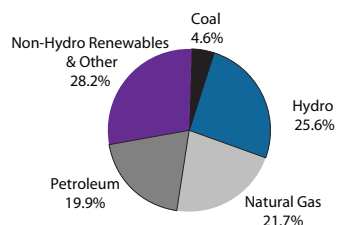
Total Electric Generation Capacity: 4,342 MW
 Source: EIA

Appendix

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
ME	561,678	0.44	15.8
NE-EC	5,952,405	0.25	6.96

Total Electric Generation in 2000



Total Electric Generation:
14,047,947 MWh
Source: EIA

Transportation

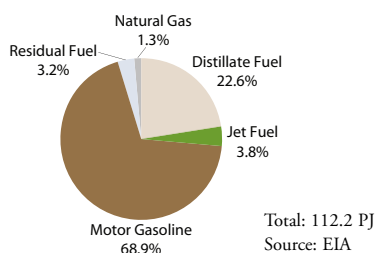
VMT for Light Duty Vehicles (2003)²

2000	12,746.22	Million miles
2003	13,490.98	Million miles
Yearly Change	1.95	%

Heavy Duty Vehicles: PM2.5 Emissions from Diesels (2002)³

Highway diesel vehicles	671	Metric tons
Off-road use of diesel	503	Metric tons
Total PM 2.5 emissions	1,174	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Forestry and Land Use Change

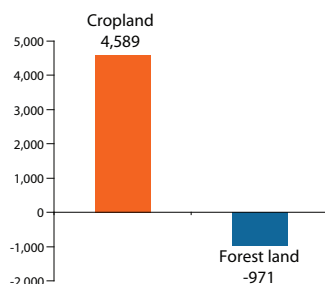
Forest Land Area ⁴	Non-soil Forest Stock ⁵	Annual Non-soil Forest Emissions ⁶
kha	MMTCO ₂ e	MMTCO ₂ e
7,164	1,807.9 to 2,683.6	4.7 to -17.6

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents
Negative numbers indicate sequestration.

Annual Average Emissions from Land Use Change

Non-soil Forest ⁷	Forest Soil ⁸	Non-Forest Soil ⁹	Total
MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e
0.4	18.4	7.3	26.0

Annual Average Land Use Change, 1997–2002 (ha)



Source: USDA Census of Agriculture and Forest Service

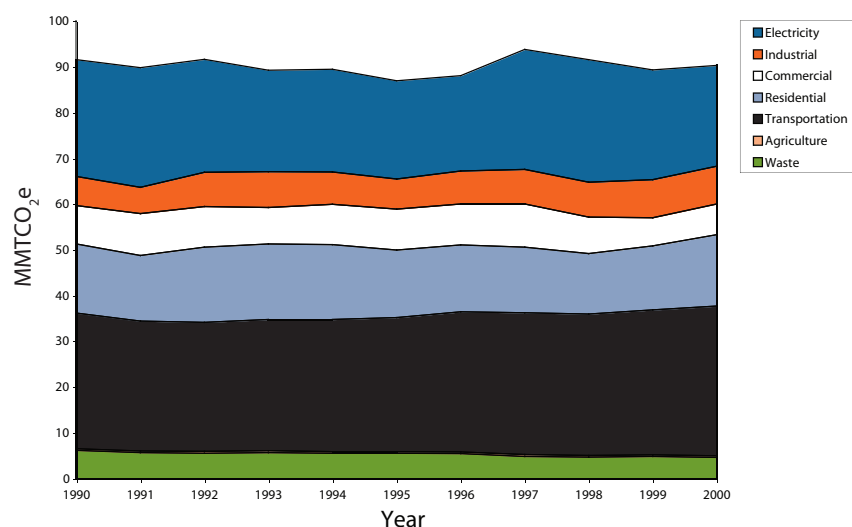
Appendix

State Data: Massachusetts

Population	6,349,097
Area	7,840 sq. mi. (20,306 sq. km.)
Gross State Product (GSP) (M USD)	\$276,786

GHG Inventory

Historical Greenhouse Gas Emissions

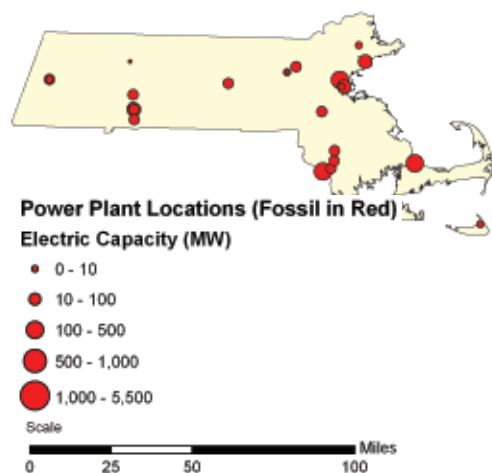


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because states either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

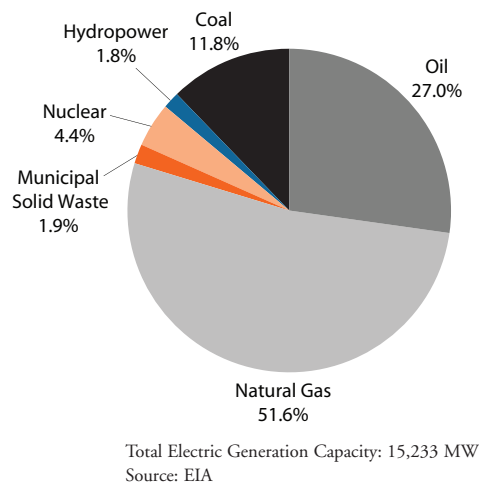
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: EPA E-Grid

Electric Generation Capacity in 2004



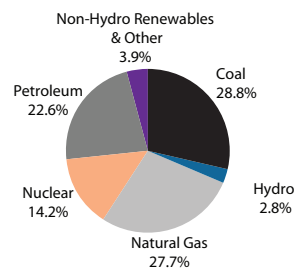
Total Electric Generation Capacity: 15,233 MW
Source: EIA

Appendix

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
MA	1,632,452	0.26	5.9
NE-EC	5,952,405	0.25	6.96

Total Electric Generation in 2000



Total Electric Generation:
38,697,881 MWh
Source: EIA

Transportation

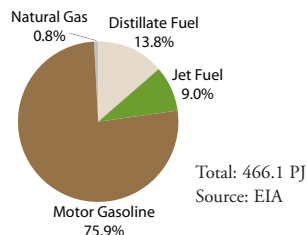
VMT for Light Duty Vehicles (2003)²

2000	49,533.22	Million miles
2003	50,595.84	Million miles
Yearly Change	0.72	%

Heavy Duty Vehicles: PM2.5 Emissions from Diesels (2002)³

Highway diesel vehicles	1,514	Metric tons
Off-road use of diesel	3,842	Metric tons
Total PM 2.5 emissions	5,356	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Total: 466.1 PJ
Source: EIA

Forestry and Land Use Change

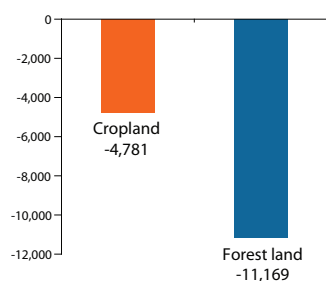
Forest Land Area ⁴	Non-soil Forest Stock ⁵	Annual Non-soil Forest Emissions ⁶
kha	MMTCO ₂ e	MMTCO ₂ e
7,164	1,807.9 to 2,683.6	4.7 to -17.6

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents
Negative numbers indicate sequestration.

Annual Average Emissions from Land Use Change

Non-soil Forest ⁷	Forest Soil ⁸	Non-Forest Soil ⁹	Total
MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e
5.8	45.4	6.1	57.3

Annual Average Land Use Change, 1997–2002 (ha)



Source: USDA Census of Agriculture and Forest Service

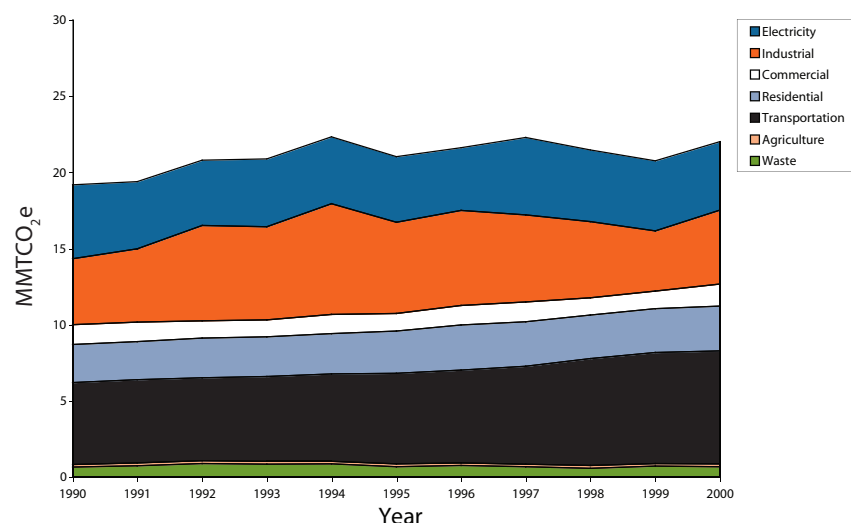
Appendix

State Data: New Hampshire

Population	1,235,786
Area	8,968 sq. mi. (23,227 sq. km.)
Gross State Product (GSP) (M USD)	\$43,584

GHG Inventory

Historical Greenhouse Gas Emissions

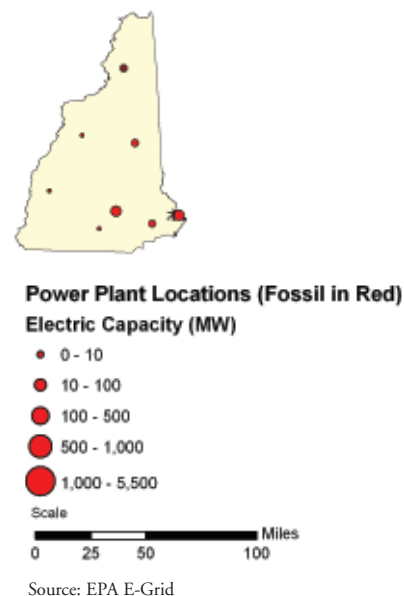


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

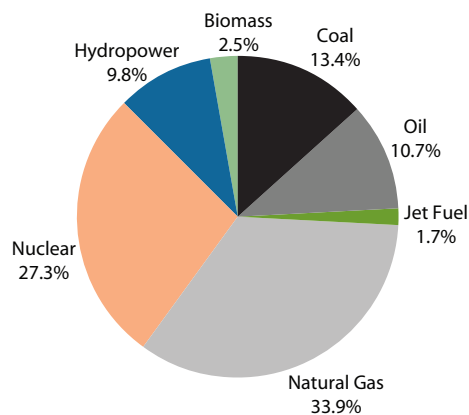
Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because states either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Electric Generation Capacity in 2004



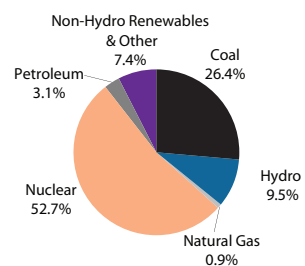
Total Electric Generation Capacity: 4,551 MW
 Source: EIA

Appendix

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
NH	346,154	0.28	7.9
NE-EC	5,952,405	0.25	6.96

Total Electric Generation in 2000



Total Electric Generation:
15,031,499 MWh
Source: EIA

Transportation

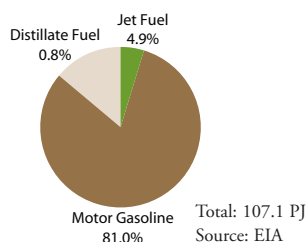
VMT for Light Duty Vehicles (2003)²

2000	11,339.76	Million miles
2003	12,234.81	Million miles
Yearly Change	2.63	%

Heavy Duty Vehicles: PM2.5 Emissions from Diesels (2002)³

Highway diesel vehicles	347	Metric tons
Off-road use of diesel	347	Metric tons
Total PM 2.5 emissions	694	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)

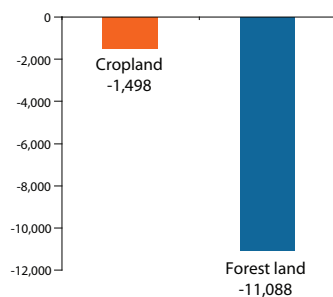


Forestry and Land Use Change

Forest Land Area ⁴	Non-soil Forest Stock ⁵	Annual Non-soil Forest Emissions ⁶	Annual Average Emissions from Land Use Change (ha)			
kha	MMTCO ₂ e	MMTCO ₂ e	Non-soil Forest ⁷	Forest Soil ⁸	Non-Forest Soil ⁹	Total
1,950	738.1 to 937.2	-9.0 to -10.6	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e
			5.3	15.9	2.0	23.2

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents
Negative numbers indicate sequestration.

Annual Average Land Use Change, 1997–2002



Source: USDA Census of Agriculture and Forest Service

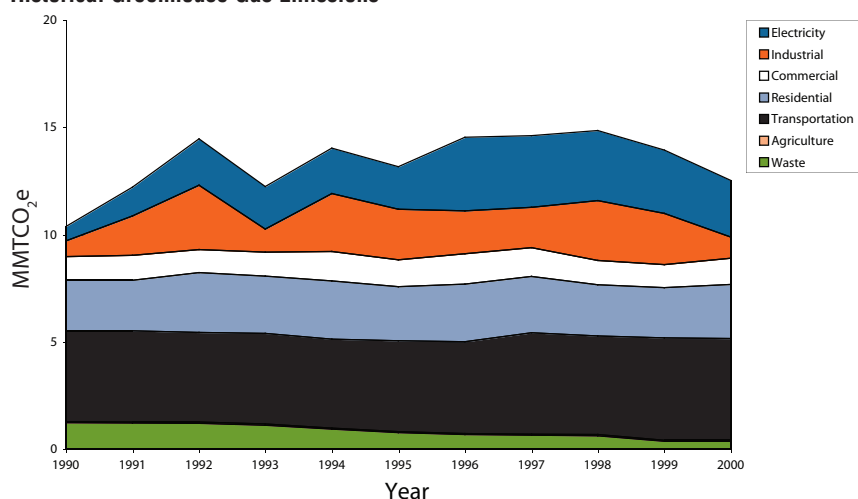
Appendix

State Data: Rhode Island

Population	1,048,319
Area	1,045 sq. mi. (2,707 sq. km.)
Gross State Product (GSP) (M USD)	\$33,835

GHG Inventory

Historical Greenhouse Gas Emissions

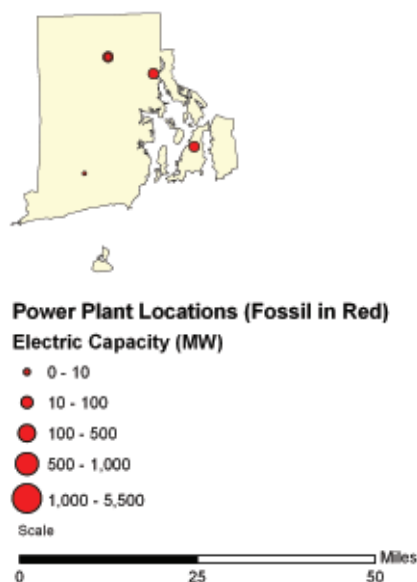


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because states either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

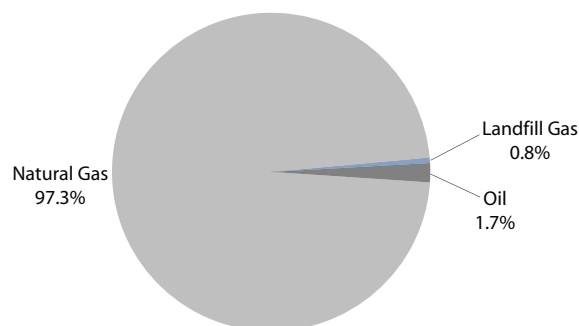
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: EPA E-Grid

Electric Generation Capacity in 2004



Total Electric Generation Capacity: 2,016 MW

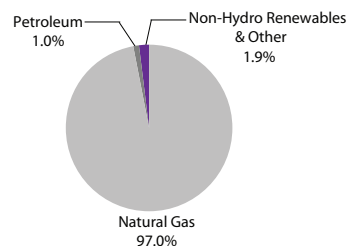
Source: EIA

Appendix

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
NH	235,479	0.22	7.0
NE-EC	5,952,405	0.25	6.96

Total Electric Generation in 2000



Total Electric Generation:
5,971,545 MWh
Source: EIA

Transportation

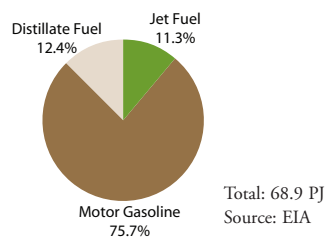
VMT for Light Duty Vehicles (2003)²

2000	7,382.12	Million miles
2003	7,590.09	Million miles
Yearly Change	0.94	%

Heavy Duty Vehicles: PM2.5 Emissions from Diesels (2002)³

Highway diesel vehicles	80	Metric tons
Off-road use of diesel	221	Metric tons
Total PM 2.5 emissions	301	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)

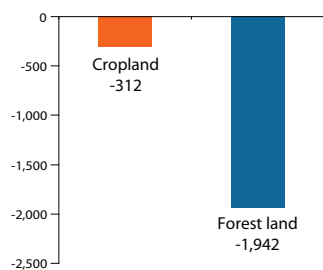


Forestry and Land Use Change

Forest Land Area ⁴	Non-soil Forest Stock ⁵	Annual Non-soil Forest Emissions ⁶	Annual Average Emissions from Land Use Change (ha)			
kha	MMTCO ₂ e	MMTCO ₂ e	Non-soil Forest ⁷	Forest Soil ⁸	Non-Forest Soil ⁹	Total
153	42.3 to 67.8	-0.1 to -1.3	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e
			0.9	1.8	0.5	3.2

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents
Negative numbers indicate sequestration.

Annual Average Land Use Change, 1997–2002



Source: USDA Census of Agriculture and Forest Service

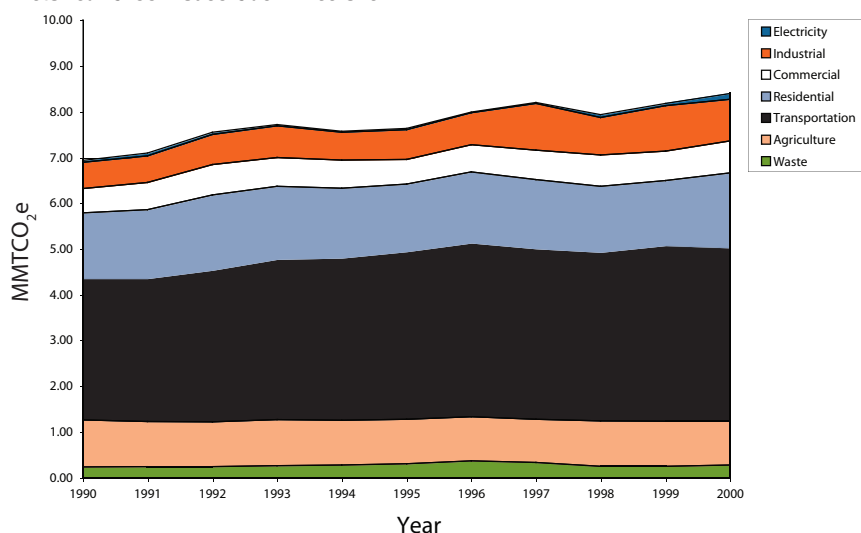
Appendix

State Data: Vermont

Population	608,827
Area	9,250 sq. mi. (23,957 sq. km.)
Gross State Product (GSP) (M USD)	\$17,661

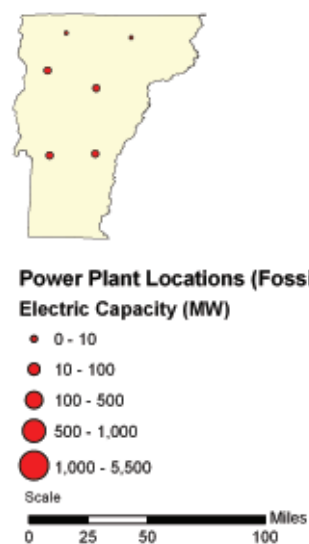
GHG Inventory

Historical Greenhouse Gas Emissions



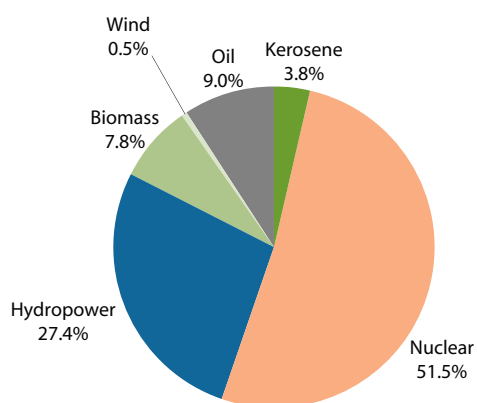
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: EPA E-Grid

Electric Generation Capacity in 2004

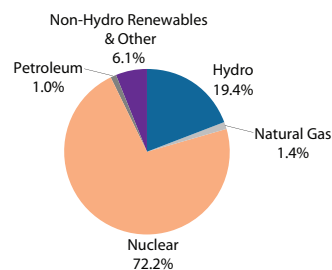


Appendix

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
VT	174,162	0.29	9.9
NE-EC	5,952,405	0.25	6.96

Total Electric Generation in 2000



Total Electric Generation:
6,303,014 MWh
Source: EIA

Transportation

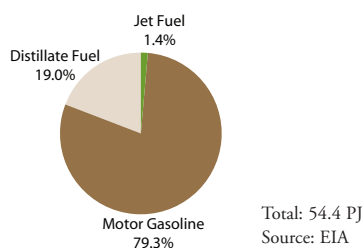
VMT for Light Duty Vehicles (2003)²

2000	6,595.78	Million miles
2003	7,526.83	Million miles
Yearly Change	4.71	%

Heavy Duty Vehicles: PM2.5 Emissions from Diesels (2002)³

Highway diesel vehicles	311	Metric tons
Off-road use of diesel	270	Metric tons
Total PM 2.5 emissions	581	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



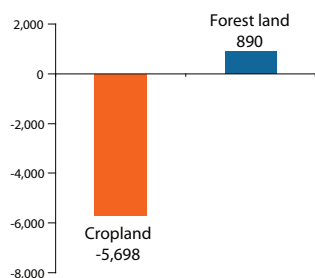
Total: 54.4 PJ
Source: EIA

Forestry and Land Use Change

Forest Land Area ⁴	Non-soil Forest Stock ⁵	Annual Non-soil Forest Emissions ⁶	Annual Average Emissions from Land Use Change (ha)			
kha	MMTCO ₂ e	MMTCO ₂ e	Non-soil Forest ⁷	Forest Soil ⁸	Non-Forest Soil ⁹	Total
1,846	686.9 to 867.0	-16.2 to 0.6	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e	MMTCO ₂ e
			-0.4	4.0	2.9	6.5

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents
Negative numbers indicate sequestration.

Annual Average Land Use Change, 1997–2002



Source: USDA Census of Agriculture and Forest Service

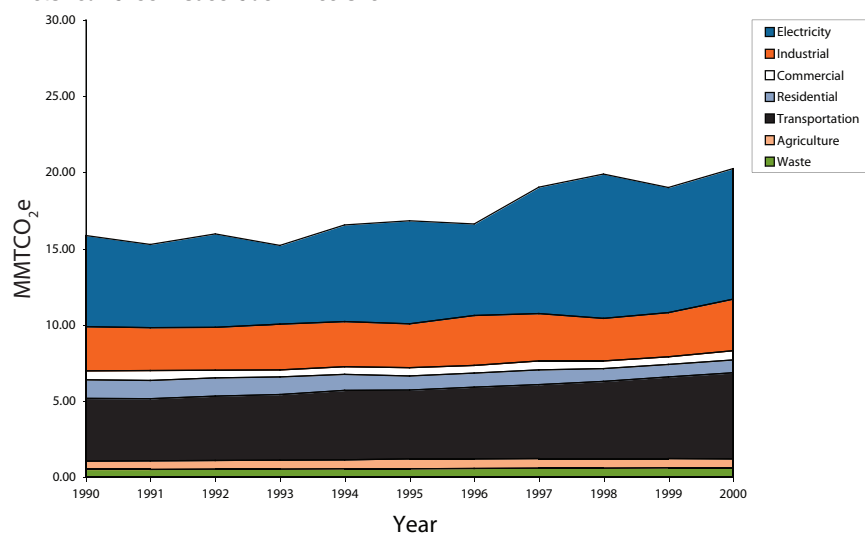
Appendix

Provincial Data: New Brunswick

Population	751,000
Area	28,185 sq. mi. (73,000 sq. km.)
Gross State Product (GSP) (M USD)	\$20,085

GHG Inventory

Historical Greenhouse Gas Emissions

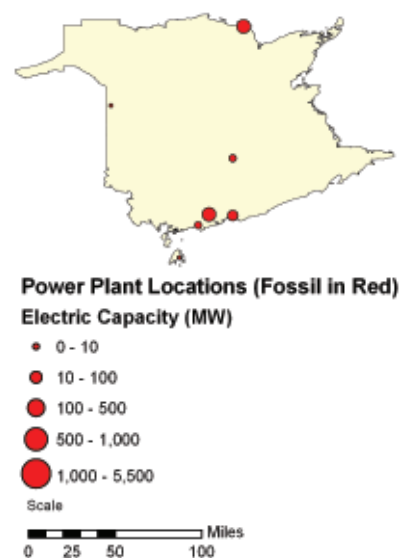


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because provinces either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

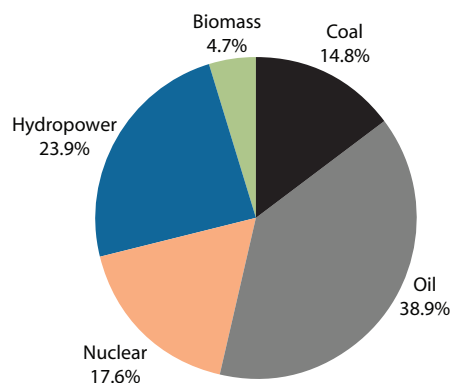
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: Statistics Canada

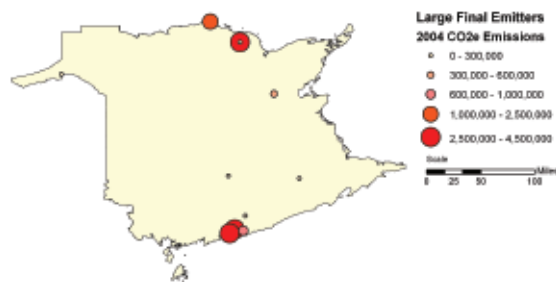
Electric Generation Capacity in 2000



Total Electric Generation Capacity: 3,854 MW
Source: Statistics Canada

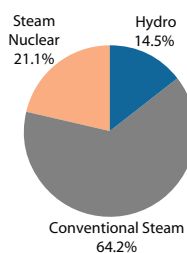
Appendix

Large Final Emitter Locations, 2004 (CO₂e)



Data Sources: Environment Canada, Facility Level GHG Reporting for 2004. Locations based on ESRI Canadian 3-digit postal code data

Total Energy Consumption in 2000¹



Total Electric Generation: 18,778,156 MWh
Source: Statistics Canada

Total Electric Generation in 2000 (MWh)

	Total terajoules	Terajoules per capita	Terajoules per GSP
NB	228,453	0.30	11.4
NE-EC	5,952,405	0.25	6.96

Transportation

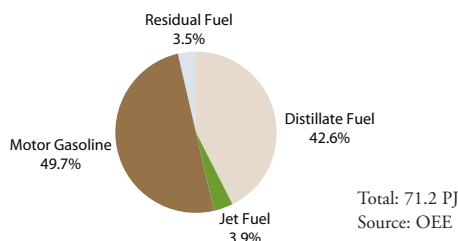
VMT for Light Duty Vehicles (2003)²

2000	5,071.51	Million miles
2003	4,781.64	Million miles
Yearly Change	-1.91	%

Heavy Duty Vehicles: PM_{2.5} Emissions from Diesels (2002)³

Highway diesel vehicles	659	Metric tons
Off-road use of diesel	1,425	Metric tons
Total PM 2.5 emissions	1,569	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Forestry and Land Use Change

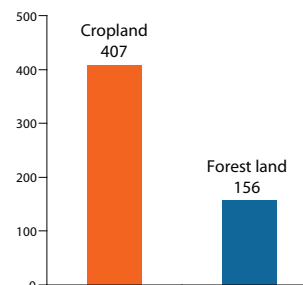
Province-by-province data on forestry and land use change emissions (soil and non-soil) are not available at this time and are not provided here.

Forest Land Area ⁴	Non-soil Forest Stock	Annual Non-soil Forest Emissions
kha	MMTCO ₂ e	MMTCO ₂ e
6,200	Not estimated	Not estimated

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents

Annual Average Land Use Change, 1996-2001 (ha)

Source: Cropland from Statistics Canada; forest data from Canada's GHG Inventory estimates



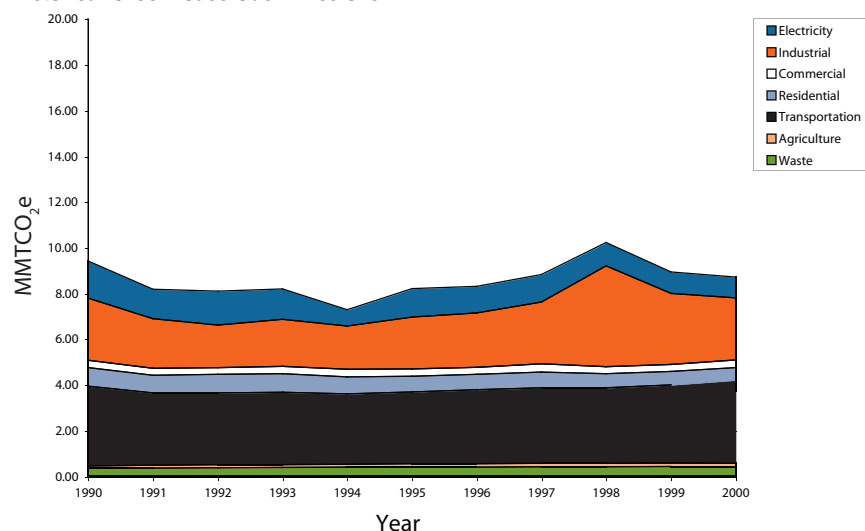
Appendix

Provincial Data: Newfoundland and Labrador

Population	528,000
Area	154,441 sq. mi. (400,000 sq. km.)
Gross State Product (GSP) (M USD)	\$13,922

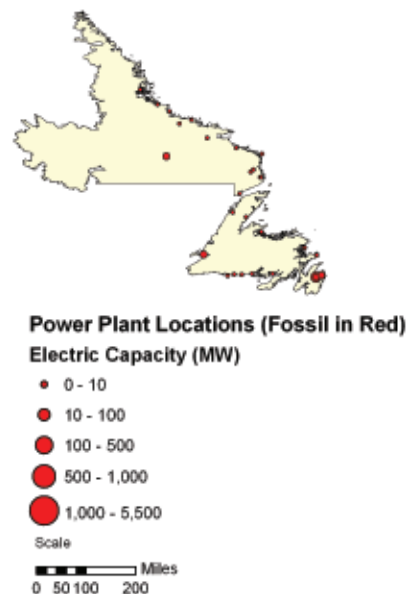
GHG Inventory

Historical Greenhouse Gas Emissions

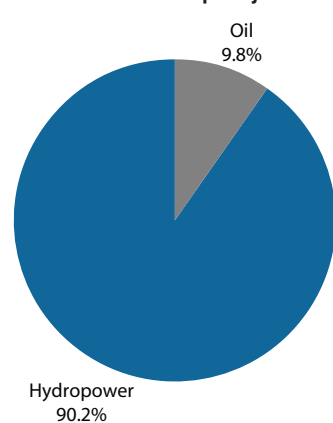


Energy

Fossil Fuel Power Plant Locations and Electric Capacity



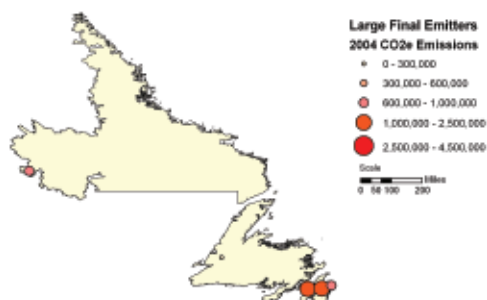
Electric Generation Capacity in 2000



Total Electric Generation Capacity: 7,416 MW
Source: Statistics Canada

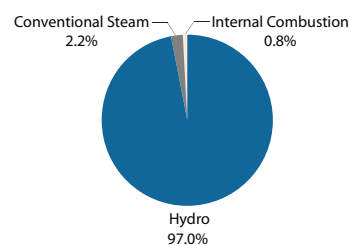
Appendix

Large Final Emitter Locations, 2004 (CO₂e)



Data Sources: Environment Canada, Facility Level GHG Reporting for 2004. Locations based on ESRI Canadian 3-digit postal code data

Total Electric Generation in 2000



Total Electric Generation: 43,597,943 MWh
Source: Statistics Canada

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
NF/L	147,599	0.28	10.6
NE-EC	5,952,405	0.25	6.96

Transportation

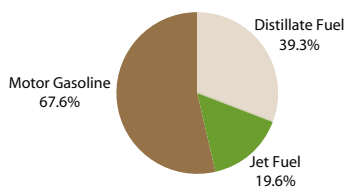
VTM for Light Duty Vehicles (2003)²

2000	2,983.51	Million miles
2003	2,183.19	Million miles
Yearly Change	-8.94	%

Heavy Duty Vehicles: PM_{2.5} Emissions from Diesels (2002)³

Highway diesel vehicles	251	Metric tons
Off-road use of diesel	362	Metric tons
Total PM 2.5 emissions	613	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Total: 51.1 PJ
Source: OEE

Forestry and Land Use Change

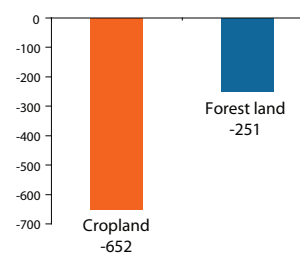
Province-by-province data on forestry and land use change emissions (soil and non-soil) are not available at this time and are not provided here.

Forest Land Area ⁴	Non-soil Forest Stock	Annual Non-soil Forest Emissions
kha	MMTCO ₂ e	MMTCO ₂ e
20,000	Not estimated	Not estimated

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents

Annual Average Land Use Change, 1996-2001 (ha)

Source: Cropland from Statistics Canada; forest data from Canada's GHG Inventory estimates



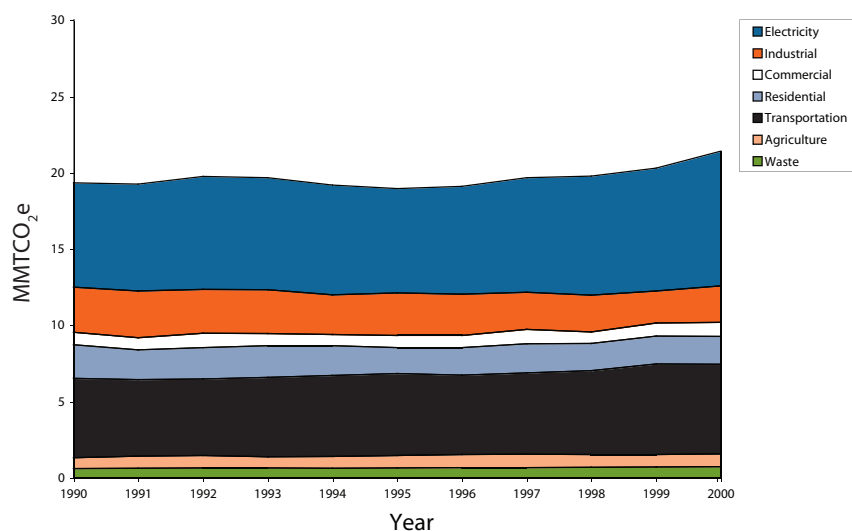
Appendix

Provincial Data: Nova Scotia

Population	934,000
Area	21,236 sq. mi. (55,000 sq. km.)
Gross State Product (GSP) (M USD)	\$24,658

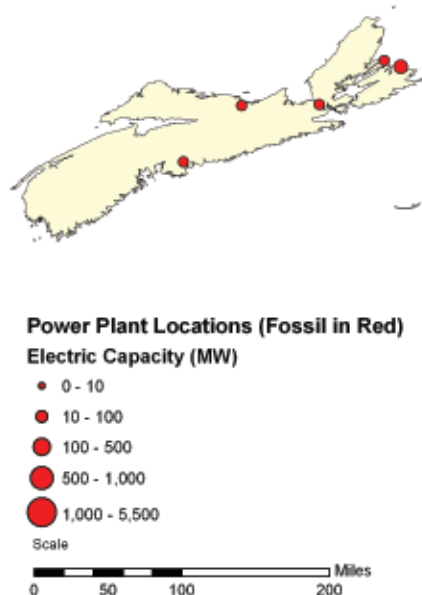
GHG Inventory

Historical Greenhouse Gas Emissions



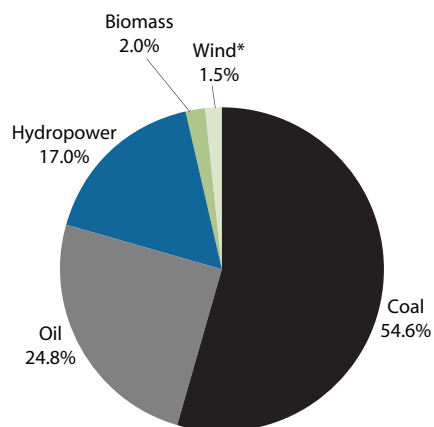
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: Statistics Canada

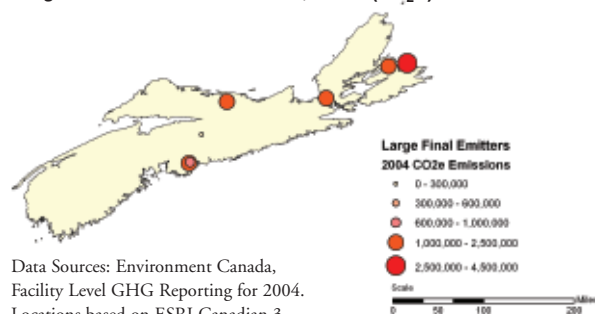
Electric Generation Capacity in 2000



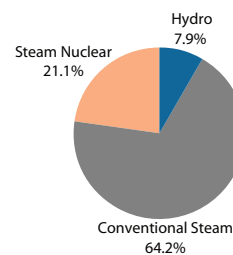
* Wind data through 2005
 Total Electric Generation Capacity: 2,344 MW
 Source: Statistics Canada

Appendix

Large Final Emitter Locations, 2004 (CO₂e)



Total Electric Generation in 2000



Total Electric Generation: 11,605,083 MWh
Source: Statistics Canada

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
NS	203,250	0.22	8.20
NE-EC	5,952,405	0.25	6.96

Transportation

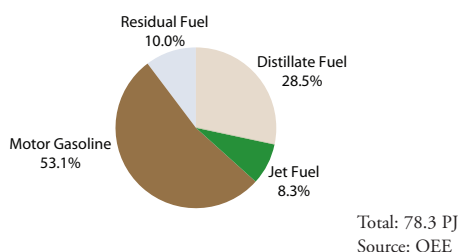
VMT for Light Duty Vehicles (2003)²

2000	5,298.24	Million miles
2003	6,184.63	Million miles
Yearly Change	5.58	%

Heavy Duty Vehicles: PM_{2.5} Emissions from Diesels (2002)³

Highway diesel vehicles	463	Metric tons
Off-road use of diesel	1,106	Metric tons
Total PM 2.5 emissions	1,569	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Forestry and Land Use Change

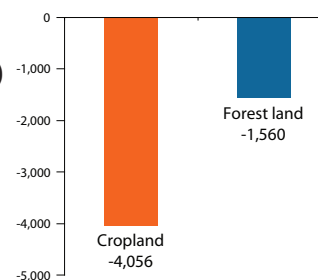
Province-by-province data on forestry and land use change emissions (soil and non-soil) are not available at this time and are not provided here.

Forest Land Area ⁴	Non-soil Forest Stock	Annual Non-soil Forest Emissions
kha	MMTCO ₂ e	MMTCO ₂ e
4,400	Not estimated	Not estimated

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents

Annual Average Land Use Change, 1996-2001 (ha)

Source: Cropland from Statistics Canada; forest data from Canada's GHG Inventory estimates



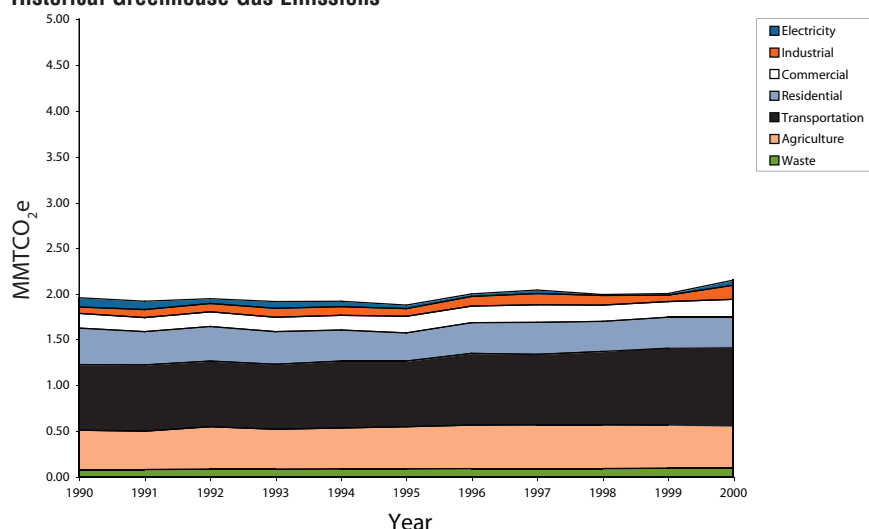
Appendix

Provincial Data: Prince Edward Island

Population	136,000
Area	2,239 sq. mi. (5,800 sq. km.)
Gross State Product (GSP) (M USD)	\$3,366

GHG Inventory

Historical Greenhouse Gas Emissions



Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because provinces either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

Energy

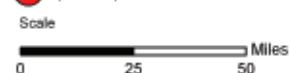
Fossil Fuel Power Plant Locations and Electric Capacity



Power Plant Locations (Fossil in Red)

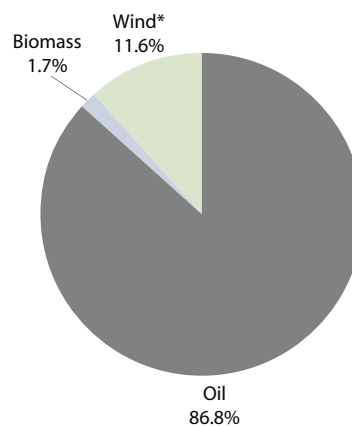
Electric Capacity (MW)

- 0 - 10
- 10 - 100
- 100 - 500
- 500 - 1,000
- 1,000 - 5,500



Source: Statistics Canada

Electric Generation Capacity in 2000



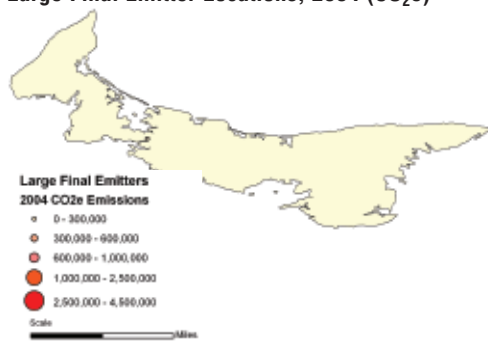
* Wind data through 2005

Total Electric Generation Capacity: 121 MW

Source: Statistics Canada

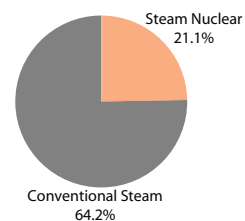
Appendix

Large Final Emitter Locations, 2004 (CO₂e)



Data Sources: Environment Canada, Facility Level GHG Reporting for 2004. Locations based on ESRI Canadian 3-digit postal code data

Total Electric Generation in 2000



Total Electric Generation: 48,081 MWh
Source: Statistics Canada

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
PEI	25,567	0.19	7.6
NE-EC	5,952,405	0.25	6.96

Transportation

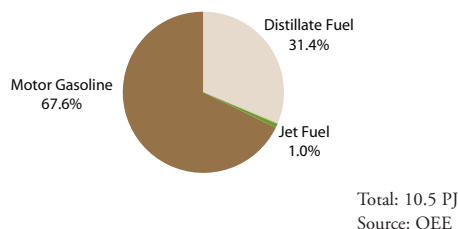
VMT for Light Duty Vehicles (2003)²

2000	734.09	Million miles
2003	797.41	Million miles
Yearly Change	2.88	%

Heavy Duty Vehicles: PM_{2.5} Emissions from Diesels (2002)³

Highway diesel vehicles	152	Metric tons
Off-road use of diesel	441	Metric tons
Total PM 2.5 emissions	592	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Forestry and Land Use Change

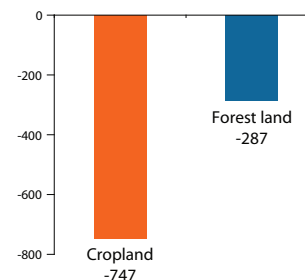
Province-by-province data on forestry and land use change emissions (soil and non-soil) are not available at this time and are not provided here.

Forest Land Area ⁴	Non-soil Forest Stock	Annual Non-soil Forest Emissions
kha	MMTCO ₂ e	MMTCO ₂ e
270	Not estimated	Not estimated

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents

Annual Average Land Use Change, 1996-2001 (ha)

Source: Cropland from Statistics Canada; forest data from Canada's GHG Inventory estimates



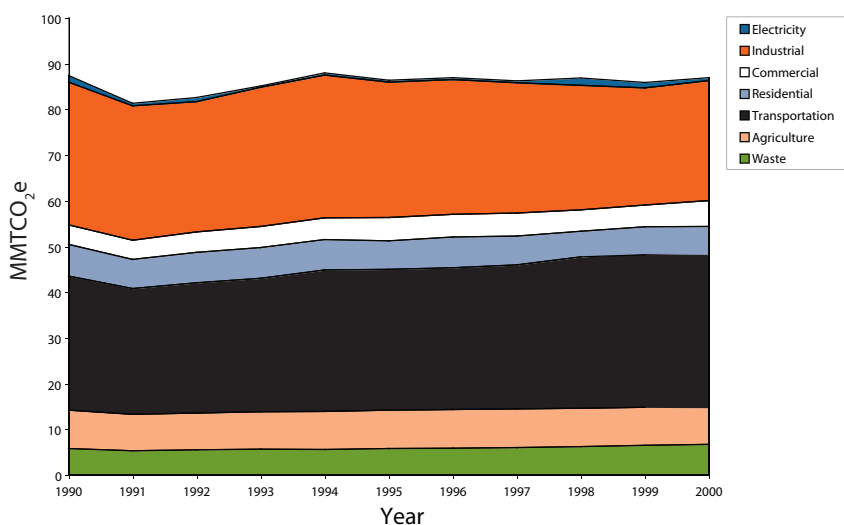
Appendix

Provincial Data: Quebec

Population	7,357,000
Area	586,875 sq. mi. (1,520,000 sq. km.)
Gross State Product (GSP) (M USD)	\$224,928

GHG Inventory

Historical Greenhouse Gas Emissions

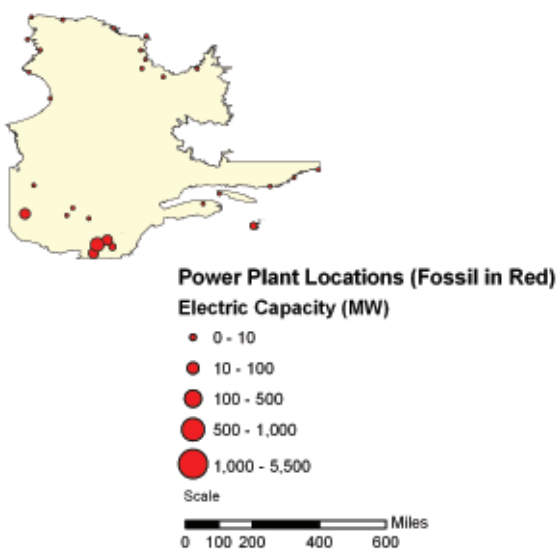


Source: NESCAUM and EPA State Inventory Tool for New England and Natural Resources Canada for Eastern Canadian Provinces

Note: Forestry and land use change data are not included in the historical greenhouse gas emissions because provinces either do not report these emissions or do not report them consistently. See the Forestry and Land Use Change section for more information.

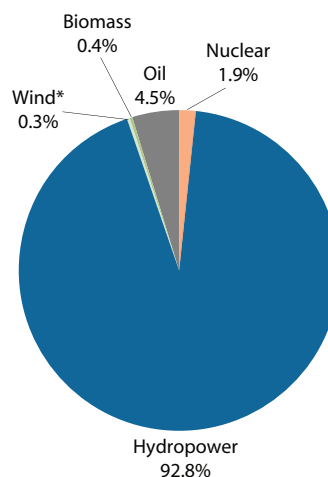
Energy

Fossil Fuel Power Plant Locations and Electric Capacity



Source: Statistics Canada

Electric Generation Capacity in 2000



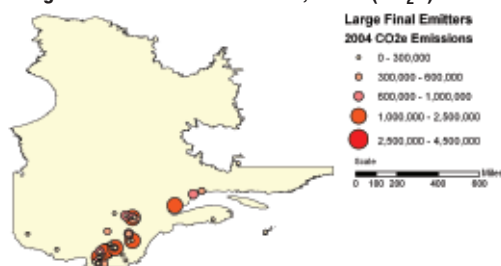
* Wind data through 2005

Total Electric Generation Capacity: 35,376 MW

Source: Statistics Canada

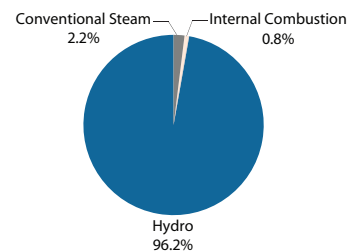
Appendix

Large Final Emitter Locations, 2004 (CO₂e)



Data Sources: Environment Canada, Facility Level GHG Reporting for 2004. Locations based on ESRI Canadian 3-digit postal code data

Total Electric Generation in 2000



Total Electric Generation: 179,728,120 MWh
Source: Statistics Canada

Total Energy Consumption (2000)¹

	Total terajoules	Terajoules per capita	Terajoules per GSP
Quebec	1,724,365	0.23	7.7
NE-EC	5,952,405	0.25	6.96

Transportation

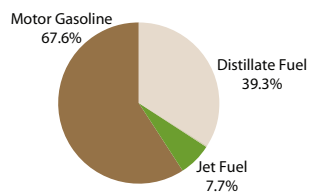
VMT for Light Duty Vehicles (2003)²

2000	39,081.69	Million miles
2003	42,874.29	Million miles
Yearly Change	3.23	%

Heavy Duty Vehicles: PM_{2.5} Emissions from Diesels (2002)³

Highway diesel vehicles	4,349	Metric tons
Off-road use of diesel	11,417	Metric tons
Total PM 2.5 emissions	15,767	Metric tons

Energy Consumption from Transportation in 2001 (Petajoules)



Total: 451.9 PJ
Source: OEE

Forestry and Land Use Change

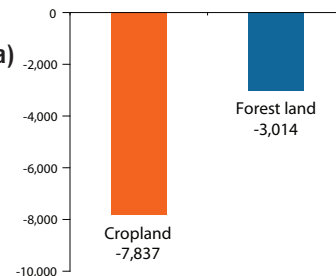
Province-by-province data on forestry and land use change emissions (soil and non-soil) are not available at this time and are not provided here.

Forest Land Area ⁴	Non-soil Forest Stock	Annual Non-soil Forest Emissions
kha	MMTCO ₂ e	MMTCO ₂ e
84,600	Not estimated	Not estimated

Notes: MMTCO₂e = million metric tons carbon dioxide equivalents

Annual Average Land Use Change, 1996-2001 (ha)

Source: Cropland from Statistics Canada; forest data from Canada's GHG Inventory estimates



Appendix

Sources for New England States Data

- 1 Source: US Energy Information Administration.
- 2 Source: US Highway Performance Monitoring System.
- 3 Source: New England States emissions 2002 data.
- 4 Source: Neil Sampson, 2006.
- 5 Source: Left estimate from USDA 2003. Right estimate from Neil Sampson, 2006.
- 6 Source: Left estimate from USDA 2003. Right estimate from Neil Sampson, 2006. Note that this estimate includes emissions from development.
- 7 Developed using USDA 2005 forest land estimates for 1997-2002 and Sampson 2006 estimate of non-soil forest stock.
- 8 Source: Neil Sampson, 2006.
- 9 *Ibid.* Note that possible double counting of agriculture-related soil carbon emissions, though negligible, may exist between these land use change (development) emissions estimates and those given by the historical GHG emissions inventory.

Sources for Eastern Canada Data

- 1 Source: Statistics Canada.
- 2 Source: Statistics Canada.
- 3 Source: Environment Canada.
- 4 Source: Natural Resources Canada, 2006.