



Empowering you to make
smart energy choices

Connecticut's Energy Efficiency Board

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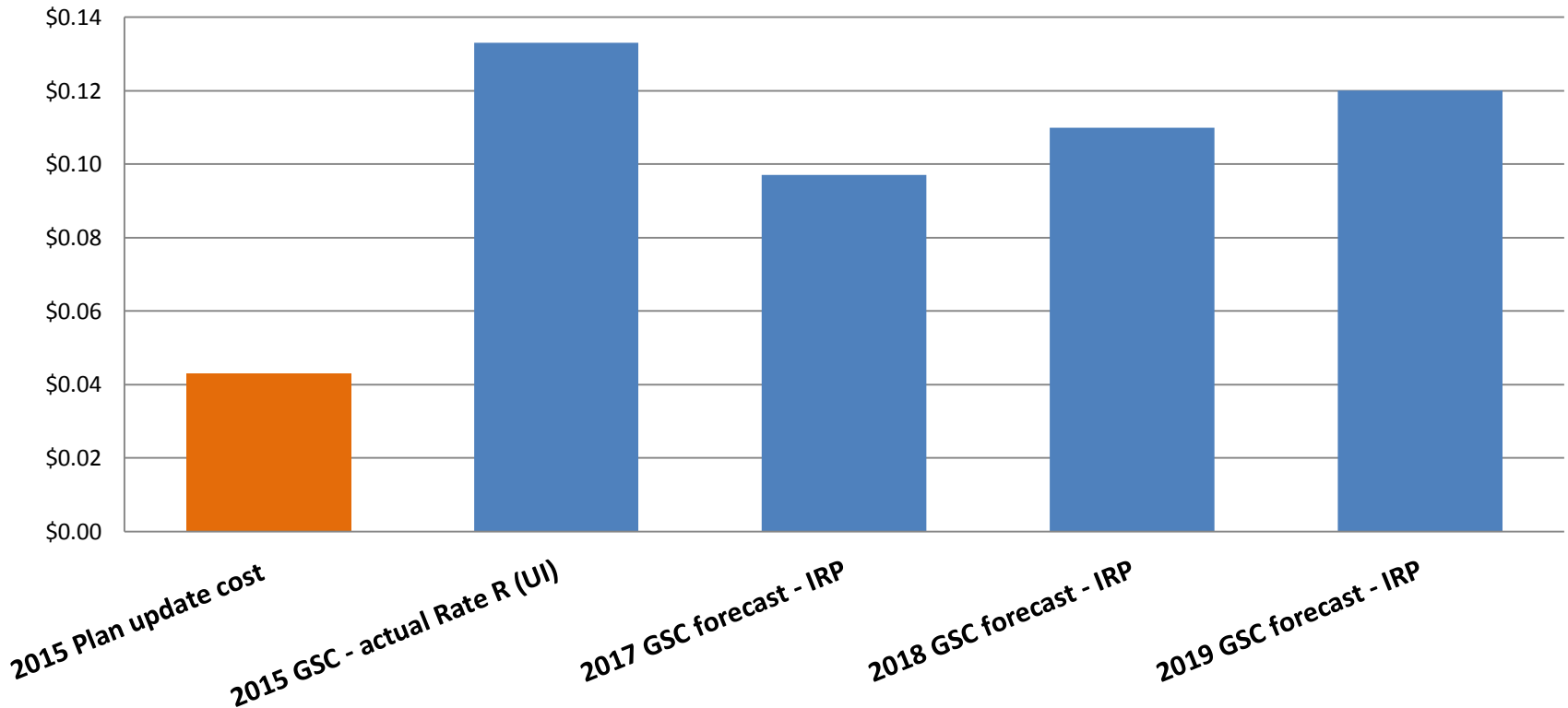
August 31, 2015

CT Energy Efficiency Programs - Overview

- **Origin:** Created in 1998 by legislation as part of utility deregulation (CGS Section 16-245m)
- **Purpose:** Provides electric and natural gas efficiency services and incentives to utility customers
- **Funding:** Primarily by a charge on customer utility bills (and other sources such as RGGI and Forward Capacity Market)
- **Administration:** The state's electric distribution companies (Eversource, United Illuminating) and gas utilities (Yankee Gas, Connecticut Natural Gas, and Southern Connecticut Gas)
- **Stakeholder Input:** The Energy Efficiency Board (EEB) advises and assists the utilities in developing and implementing the energy efficiency plans and programs
- **Planning:** The utilities submit a three-year Conservation & Load Management Plan to the EEB for its review and approval, and then to CT Dept. of Energy & Environmental Protection for its review and approval

Cost-Effective EE Is Cheaper Than Supply

Cost Comparison – Energy Efficiency to Electric Supply
Sources: 2014 IRP; 2015 C&LM Plan Update



CUSTOMERS

Lowers Utility Bills Now & in the Future

Improves Comfort, Health & Safety

Gives More Control & Understanding

ECONOMY

Creates Local Jobs

Gives Businesses a Competitive Edge

Lowers Energy Prices for All

Energy Efficiency – Multiple Benefits

ENERGY SYSTEM

Increases Reliability & Resiliency

Reduces Peak Demand

Delays or Avoids Need for New Capacity

ENVIRONMENT

Reduces Air Pollution

Reduces Greenhouse Gas Emissions

Reduces Water Use

Energy Efficiency Board - Composition

Voting Members

- Acadia Center (Chair)
- Office of Consumer Counsel (Vice-Chair)
- CT Business & Industry Association
- CT Farm Energy Program
- CT Retail Merchants Association
- Dept. of Energy & Environmental Protection
- Greater New Haven Chamber of Commerce
- Manufacturing Alliance of CT
- Office of the Attorney General
- Residential Advocate

Non-Voting Members

(Program Administrators)

- CT Municipal Electric Energy Cooperative
- Connecticut Natural Gas/Southern Connecticut Gas
- Eversource Energy
- United Illuminating
- Yankee Gas

- Member types set by statute
- Some appointed by CT DEEP Commissioner
- Five-year terms, can be renewed
- Manageable size
- Diverse membership

Board's Role and Responsibilities

- Mainly defined in CT statute and by the Board's Roadmap
- Four primary duties:
 - **Advise and assist** utilities in development & implementation of cost-effective electric and gas C&LM Plan (jointly submitted by all utilities) for energy savings and market transformation
 - **Review and approve plans and programs** proposed by the utilities (or other parties) – includes budgets, new initiatives
 - **Program tracking, evaluation, and reporting:** monitor performance, conduct independent EM&V, report to legislature annually, and make recommendations to regulators and policymakers
 - **Collaborate with CT Green Bank** to ensure maximizing leverage of ratepayer funds

Board Governance & Resources

- Monthly meetings—where Board decisions made, public and transparent
- Seek consensus, majority votes, except supermajority for C&LM Plan approval
- Chair and Vice-Chair elected every two years
- Standing committees:
 - Sectoral: Commercial & Industrial, Residential
 - Key functions: Evaluation, Marketing
 - Management: Executive, Consultant
 - Joint Committee w/ CT Green Bank
- Technical expertise – outside consultants, Exec Secretary

Stakeholder Board – How Does It Help?

- EE programs enjoy broad base of stable support
 - Consensus decision making & technical analysis
 - Result in fair process and stakeholder buy-in
- Efficient and productive EE decision making
 - Utilities and stakeholders in one venue and one process
 - Consensus-building instead of adversarial → constructive outcomes
- Reinforces high standards for EE programs
 - Stakeholders are end-users: desire superior programs and services
 - Specialized expertise and interests improve program design
- EE fund protection – programs need continuity to thrive

Savings and Benefits

(Summary of 2015 C&LM Plan Update)



	Budget (\$ million)	Customer Cost (\$ million)	Annual MWh	Lifetime MWh	Annual CCF	Lifetime CCF	Utility Benefit (\$ million)	TR Benefit (\$ million)	Utility BC	TR BC
CL&P	151.3	89.7	313,714	3,130,665	0	0	\$369	\$519	2.44	2.15
UI	32.0	25.2	67,550	727,004	0	0	\$114	\$114	3.55	1.98
Yankee	18.8	7.5	0	0	2,441,224	38,879,719	\$38	\$38	2.00	1.46
CNG	14.4	7.3	0	0	1,767,377	27,466,700	\$27	\$28	1.86	1.30
SCG	8.7	3.9	0	0	1,012,300	15,424,361	\$15	\$16	1.75	1.26
Total Gas	\$42	\$19	0	0	5,220,901	81,770,780	\$80	\$83	1.90	1.36
Total Electric	\$183	\$115	381,264	3,857,669	0	0	\$482	\$633	2.63	2.12
Total ALL	\$225	\$134	381,264	3,857,669	5,220,901	81,770,780	\$562	\$715	2.49	1.99



\$715 Million of Benefits including critical and timely (direct and indirect) Winter Peak Benefits

\$2.49 Return per Program Dollar Spent; Net Benefit of \$490 Million.

National and Regional Performance

2014 ACEEE State EE Scorecard



- Three states with stakeholder boards placed in the top 10 – MA, RI, CT
- MA and RI also tied for first in EE program subcategory
- MA and RI have nation-leading savings levels
- CT has placed in top 10 for eight years now

CT's EE programs also received ACEEE awards for program quality in 2013 – Residential New Construction, Home Energy Solutions, and Small Business Energy Advantage

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