



Energy Efficiency Board 2015 Programs and Operations Report

Executive Summary

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On behalf of the Energy Efficiency Board, we are pleased to deliver the 2015 Programs and Operations Report to the Connecticut General Assembly. This is the Board's fifteenth such report, and it follows the completion of the Energy Efficiency Fund's first-ever three-year planning cycle. This multi-

year approach to planning has enabled the Fund to serve more customers, capture more cost-effective energy savings, and make real progress towards transforming critical markets, such as retail lighting. As we move forward with our 2016-2018 plan, we seek to drive even more innovation in energy efficiency through new tailored program offerings, emerging technologies, and advanced online customer tools. Our goal is to give all customers the best possible help with their energy efficiency needs.

This report summarizes our progress in 2015. You can also see the latest on the Fund's performance via the Statewide Dashboard at EnergizeCT.com/eeb.

We encourage you to visit the website to learn more about how we are ensuring that Connecticut remains a national leader in energy efficiency.

William E. Dornbos
Acadia Center and Chairperson of the Connecticut Energy Efficiency Board

Taren O'Connor
Office of Consumer Counsel and Vice-Chairperson of the Connecticut Energy Efficiency Board

38,861 HOMES WEATHERIZED

"They insulated from the inside out and from the outside in ... I haven't had to order oil in three months, which saves me money." Cynthia L., HES-IE participant

6,200 BUSINESSES SERVED

"Being able to get incentives for the HVAC equipment and all the lighting and then have the rest of it financed at zero percent interest through my electric bill – it was a no brainer. I couldn't do it fast enough."

Doug Z. Small Business participant

154 CLEAN ENERGY COMMUNITIES PARTICIPATED

APPROX. 9,258 JOBS GENERATED FROM 2015 ENERGY EFFICIENCY INVESTMENT*

ENERGY EFFICIENCY IMPACTS EVERYONE



* Jobs equal one full time job for a period of one year. Calculations based on formula established in 2009 Environment Northeast (ENE) study "Energy Efficiency in Connecticut: Engine of Economic Growth"

EVERYONE BENEFITS

4.53 BILLION

Lifetime kWh Savings

94.22 MILLION

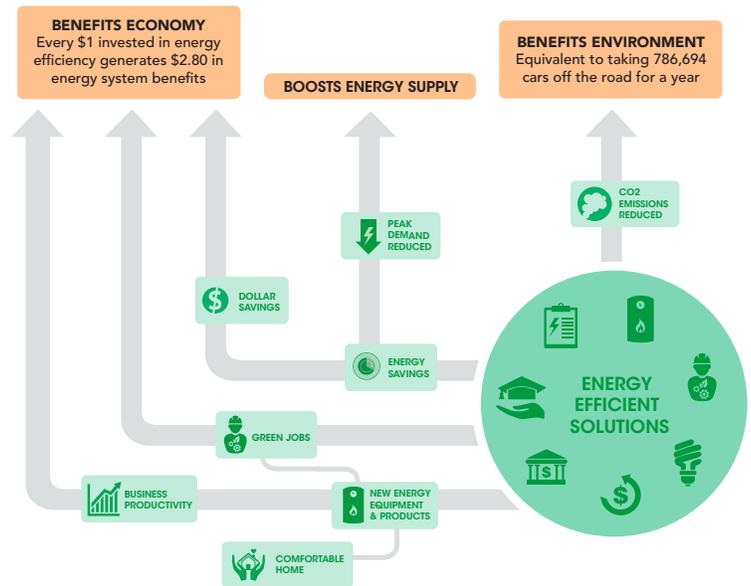
Lifetime CCF Savings

\$968 MILLION

Lifetime Savings

3.27 MILLION TONS

CO₂ Emissions Reduced



DELIVERING ENERGY EFFICIENCY

The Energy Efficiency Fund supports an impressive portfolio of programs and initiatives designed to promote, encourage and facilitate the adoption of energy-efficient technologies and behaviors. These solutions are marketed under the statewide brand, Energize Connecticut, and provided by Eversource Energy, The United Illuminating Company, Connecticut Natural Gas Corporation and The Southern Connecticut Gas Company.

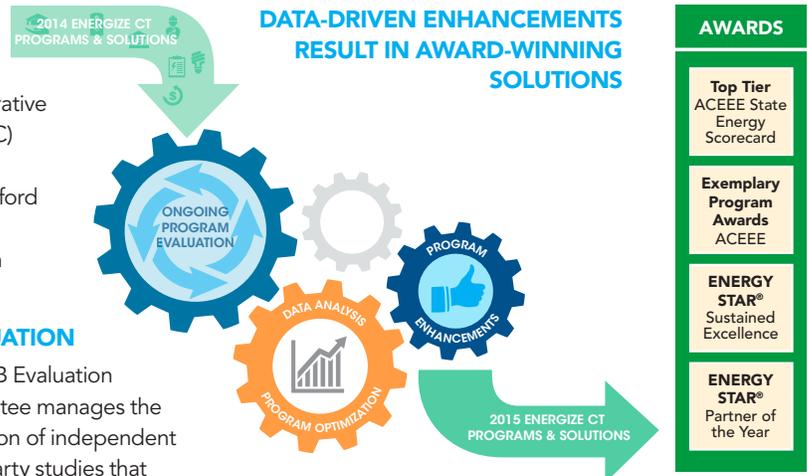
The utility partners with guidance from the Energy Efficiency Board (EEB), an appointed group of 15 members representing private and public entities that assist and advise the utilities throughout the year via participation in various committees and as a unified group. These members reflect a cross section of interests, providing representation for residential (including limited income), business, community (including not-for-profit) and municipal consumers. The EEB is assisted by consultants who are experts in their respective fields. The EEB also oversees the energy efficiency programs of the Connecticut Municipal Electric Energy

Cooperative (CMEEC) and the Wallingford Electric Division (WED).

EVALUATION

The EEB Evaluation committee manages the execution of independent third-party studies that help support continuous improvement in program performance and verify that the reported savings are accurate. These studies can be found at EnergizeCT.com/connecticut-energy-efficiency-board. The utilities also prepare and file an annual report entitled Connecticut Program Savings Documentation (PSD), which provides detailed, comprehensive documentation of claimed resource savings corresponding to Energy Efficiency Fund programs. Savings from programs are reported to regulatory

DATA-DRIVEN ENHANCEMENTS RESULT IN AWARD-WINNING SOLUTIONS



bodies and are used to generate additional funding from both the ISO-New England Forward Capacity Market and Connecticut Class III Renewable energy markets and, therefore, the PSD and the work of the EEB Evaluation committee are a critical aspect of ensuring that program results are reliable and accurate.

Residential Energy Solutions

HOME ENERGY SOLUTIONSSM (HES)

For home owners, renters and multifamily dwellings

The Home Energy Solutions program portfolio includes in-home services for every household, at every income level, to address every type of energy efficiency improvement – from weatherization, to water heating, to home heating and cooling equipment. These full service solutions use utility-authorized BPI professionals – including home improvement contractors, oil dealers, heating and cooling contractors and insulation installers - to bring needed energy expertise right into a customer’s home.

DEVELOPING TOOLS FOR ENHANCED QUALITY

The commitment to high quality, in-home services is expressed through a customer-centric model which, in 2015, included education and communication training for HES technicians. During the “kitchen table wrap up”, technicians are now equipped to convey the energy efficiency value proposition, provide a more meaningful experience, and effectively promote the additional savings opportunities identified during that initial visit. Program quality continues to be raised by an increasingly robust vendor selection process and comprehensive quality assurance procedures, focusing on safety and maximizing energy savings in each home visit.

The program continued to add value this year through its incorporation of the U.S. Department of Energy (DOE) Home Energy Score on April 1, 2015, making Connecticut the first statewide implementer of the DOE labeling tool. The tool is similar to a vehicle’s mile per-gallon rating, as it allows residents to compare their home’s energy performance to other homes nationwide using a simple one to ten scale.

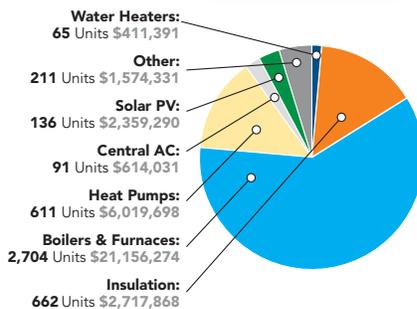


BILL S., SOUTH WINDSOR (HES)	
Home Size:	2,500 Square Feet
Age of Home:	17 years
Heat Source:	Gas
MEASURES COMPLETED	
Identified and sealed air leaks	
Energy-efficient light bulbs	
Hot water saving measures	
Insulation upgrades in basement	
ESTIMATED ANNUAL SAVINGS	
Insulation rebate: \$1,660	
2,080 kWh saved annually	
682 ccf saved annually	
\$1,330 saved annually	

2015 RESIDENTIAL FINANCING

2015 residential financing totaled over \$34.85 million and 4,036 loans.

Residential Financing Residential financing is in partnership with the Connecticut Green Bank and other lending opportunities through Connecticut Housing Investment Fund (CHIF) and AFC First Financial. Eligible Connecticut residents can finance home energy efficiency improvements with low-interest loans.



“Before participating in HES, I thought that making my home energy efficient would come at the expense of time and money. I found that the rebate on insulation was actually very cost effective and made the reality of improving my home’s energy footprint much easier than I anticipated.” Bill S.

2015 HOME ENERGY SOLUTIONS – INCOME ELIGIBLE

<p>Customers Served 20,209</p>	<p>CO₂ Emissions Reduced 21,614 Tons (Annual)</p>	<p>Annual Savings \$6.1 Million</p>	<p>Lifetime Savings \$99.8 Million</p>																
<p>MMBTUs</p> <table border="0"> <tr> <td>Annual</td> <td>Lifetime</td> </tr> <tr> <td>251.8 Thousand</td> <td>4.8 Million</td> </tr> </table>	Annual	Lifetime	251.8 Thousand	4.8 Million	<p>Energy Savings (kWh = Electricity, CCF = Natural Gas, Gallons = Fuel Oil & Propane)</p> <table border="0"> <tr> <td>kWh Annual</td> <td>CCF Annual</td> <td>Gallons Annual</td> </tr> <tr> <td>16.1 Million</td> <td>1.1 Million</td> <td>644.6 Thousand</td> </tr> <tr> <td>kWh Lifetime</td> <td>CCF Lifetime</td> <td>Gallons Lifetime</td> </tr> <tr> <td>190.9 Million</td> <td>21.3 Million</td> <td>14.1 Million</td> </tr> </table>	kWh Annual	CCF Annual	Gallons Annual	16.1 Million	1.1 Million	644.6 Thousand	kWh Lifetime	CCF Lifetime	Gallons Lifetime	190.9 Million	21.3 Million	14.1 Million		
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AGNES C, NEW HAVEN (HES-IE)
Age of Home: 66 years
Heat Source: Fuel oil
MEASURES COMPLETED
Joint project with Community Action Agency using Fund and RGGI incentives – home was without a working heating system
High efficiency CFL lighting
Blower door/air sealing
Hot water saving devices
Heating system repairs, including clean, tune and test, relay and thermostat replacement
ESTIMATED ANNUAL SAVINGS
815 kWh saved annually
\$162 saved annually

NICHOLS AVE APARTMENTS, BRIDGEPORT
Number of Units: 4
Heat Source: Natural Gas
MEASURES COMPLETED
Joint project with Bridgeport Lead Free Families (BLFF), who replaced lead windows
High efficiency CFL lighting
Blower door/air sealing
Hot water saving devices
Heating system upgrades
ESTIMATED ANNUAL SAVINGS
801 kWh saved annually
487 ccf of natural gas saved annually
\$737 saved annually

WINTHROP APARTMENTS, NEW LONDON
Number of Units: 295 in 21 buildings
Heat Source: Natural Gas
MEASURES COMPLETED
High efficiency LED exterior lighting
36 high efficiency condensing boilers
ESTIMATED ANNUAL SAVINGS
87,357 kWh saved annually
52,418 ccf saved annually
\$80,757 saved annually

“From the time the Community Action Agency was called to the time our heat was restored was very quick. We are very pleased, since we have a young child. Our home is much warmer and in the summer, it’ll be cooler.”

Agnes C.

“BLFF replaced the old lead windows. Each unit also had two gas heaters that were red tagged by the City and replaced with the help of the Energize CT program. My tenants are much more comfortable and happy in their units.”

Rafael R., Building Owner

“All exterior lighting we changed over to LED lighting, which is going to certainly save us energy and is beneficial to our residents. They feel safer and it’s brighter. We got a lot of positive comments from the residents living here with this project.”

Paul Bearce, Director of Physical Plant, Vesta Corp.

2015 HOME ENERGY SOLUTIONS



Customers Served
40,819



CO₂ Emissions Reduced
32,346 Tons (Annual)



Annual Savings
\$9.5 Million



Lifetime Savings
\$153.6 Million



MMBTUs
Annual: 363.8 Thousand
Lifetime: 6.8 Million



Energy Savings (kWh = Electricity, CCF = Natural Gas, Gallons = Fuel Oil & Propane)

kWh Annual: 26.0 Million	CCF Annual: 1.3 Million	Gallons Annual: 1.1 Million
kWh Lifetime: 320.0 Million	CCF Lifetime: 25.5 Million	Gallons Lifetime: 23.0 Million

Residential Energy Solutions

RESIDENTIAL NEW CONSTRUCTION

The Residential New Construction (RNC) program provides incentives to builders and/or homeowners to incorporate advanced energy-efficient technologies. The designs and technologies are confirmed through a comprehensive approach to measuring energy efficiency in a home called the HERS (Home Energy Rating System) Rating.

In 2015, the RNC program continued its approach of providing the majority of incentives towards obtaining a HERS rating on the participating homes. The numbers have shown an increase in HERS ratings from 25 percent market share (homes permitted in Connecticut) in 2013, before the program structure changed, to 37 percent market share in 2015. All new homes are able to obtain the same incentive levels regardless of fuel. Additional incentives are available for ENERGY STAR®, LEED, NGBC and other certifications. Providing incentives based on the HERS Rating index is preparing builders for the 2015 IECC code cycle that will be adopted in the near future. The 2015 IECC will require HERS ratings with a score of 58 or lower. The RNC program is properly preparing builders for these future changes so that they can hit the ground running once it is mandatory. The Connecticut Zero Energy Challenge was also completed in 2015. The Challenge continues to be an exciting and inspirational activity, garnering nationwide attention in the media and in the building community.

2015 CT ZERO ENERGY CHALLENGE WINNERS

The annual CT Zero Energy Challenge is a design and build competition that acts as an educational platform to showcase the very best high performance, zero net energy homes in the RNC program.



OVERALL WINNER (TIED) (LITCHFIELD) LOWEST PROJECTED ANNUAL NET OPERATING COST

Owners:

Jim and Phoebe Katzin

Builder:

Revival Homes, LLC

Project Highlights

- Focus on total cost of ownership – initial costs, durability, life cycle and energy costs
- No basement or traditional foundation
- Prioritized envelope over mechanics
- Precast concrete wall panel system (1st floor)
- Structural insulated panels (SIP) (2nd floor)
- All electric home
- Passive solar heat gains
- Final HERS index of -12 with solar

“Building high performance, energy-efficient homes is one of our specialties. The CT Zero Energy Challenge gave us an opportunity to quantify our results and be recognized for our efforts. We were lucky to find a client interested in pushing the boundaries of high performance while minimizing the total cost of owning and operating a home.”

David Jones of Revival Homes, LLC

2015 RESIDENTIAL NEW CONSTRUCTION



Customers Served

740



CO₂ Emissions Reduced

3,487 Tons (Annual)



Annual Savings

\$1.1 Million



Lifetime Savings

\$21.1 Million



MMBTUs

Annual 39.2 Thousand
Lifetime 842.4 Thousand



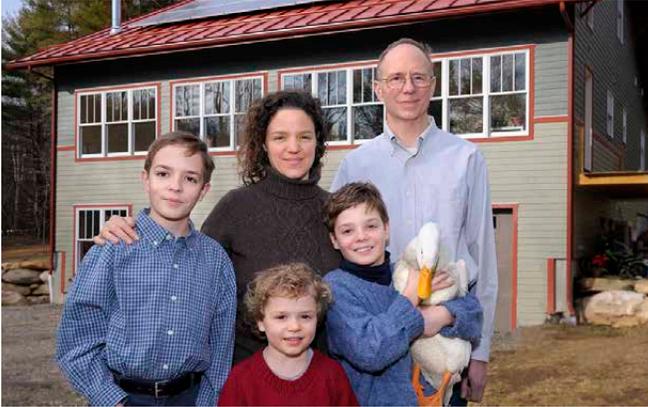
Energy Savings

kWh Annual 3.7 Million
kWh Lifetime 59.0 Million

(kWh = Electricity, CCF = Natural Gas, Gallons = Fuel Oil & Propane)

CCF Annual 208.6 Thousand
CCF Lifetime 5.0 Million

Gallons Annual 56.1 Thousand
Gallons Lifetime 1.4 Million



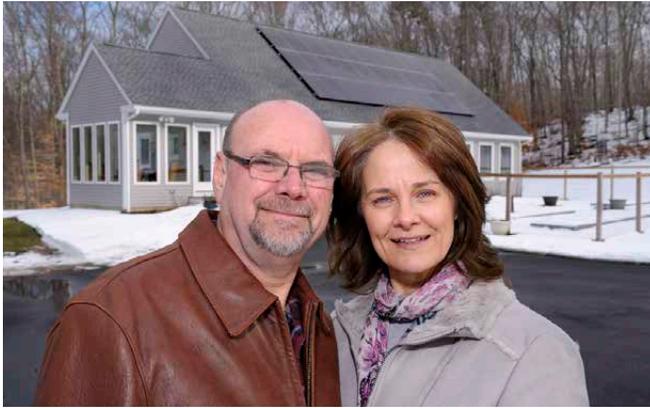
**OVERALL WINNER (TIED) (EASTFORD)
MOST AFFORDABLE PROJECT (COST/SQUARE FOOT)**

Owners/Builders
Paul and Julia Torcellini

- Project Highlights**
- Focus on sustainability including gray and black water drain plumbing, ultra-low flush toilets, rainwater from metal roof for irrigation, and paint colors chosen with daylighting in mind
 - Passive heating from unconditioned sun room that can be closed off at night
 - \$87 per square foot to build
 - Hydronic radiant floor system zoned by room
 - Air to water heat pump using carbon dioxide as a refrigerant
 - Small bedrooms and big living space to encourage community living

“Energy efficiency and clean energy is a huge part of who I am. When I built my new home in Connecticut, it was important to me and my family to have a house that not only contained energy efficient technologies, but was designed to be sustainable and make saving energy easy. It is an honor to be recognized as one of the overall winners in this year’s CT Zero Energy Challenge.”

Paul Torcellini, homeowner/builder, principal engineer for the National Renewable Energy Laboratory (NREL) and associate professor for Sustainable Energy at Eastern Connecticut State University



LOWEST OVERALL HERS INDEX (EAST HADDAM)

Owners:
Donna Martin and Ken Stanwicks

Builder:
Skip Kamis, Inc.

- Project Highlights**
- Focus on air quality
 - Final HERS Index of -15, including solar
 - Heat pump water heater
 - Energy-efficient building envelope
 - Ductless heat pump
 - Passive solar design



LOWEST HERS INDEX WITHOUT RENEWABLE TECHNOLOGIES (WOODSTOCK)

Owners:
Lowell and Patricia Kallen

Builder:
Lehto Design Build

- Project Highlights**
- Focus on the thermal envelope and continuous air barrier
 - Insulation is four times better than a standard home
 - Self-adhering house wrap (new technology)
 - Passive solar heat gain
 - Geothermal heating and cooling
 - Final HERS index of 33 without renewables and two with solar

Residential Energy Solutions

RETAIL LIGHTING, HEATING, COOLING, WATER HEATERS, APPLIANCES, ELECTRONICS

The award-winning Retail Products program continues to promote the sale of ENERGY STAR® products including CFLs and light emitting diode, or LED, light bulbs and energy-efficient appliances. The Efficient Product Finder extends our promotion of efficient refrigerators, clothes washers, clothes dryers and freezers, along with promoting other ENERGY STAR certified solutions. With the goal of increasing the stocking, sale and installation of efficient heating, cooling and water heating equipment, the upstream instant discount program for natural gas water heaters, heat pump water heaters, boilers, furnaces, and boiler circulator pumps continued to grow in 2015 – 99% of Connecticut’s plumbing and HVAC distributors who sell qualifying equipment are now participating.



ADVANCING THE SALE OF LED LIGHT BULBS

The big lighting story continues to be the tremendous market adoption of LED light bulbs. The Energy Efficiency Fund has helped many Connecticut residents adopt LEDs by providing instant rebates at retailers for qualifying ENERGY STAR certified models. ENERGY STAR LEDs are now available in many shapes, styles and color temperatures to meet all lighting needs. In total, 2,165,648 LED lighting products were sold in 2015 statewide with Fund incentives – representing 55 percent of our total residential lighting sales, compared to 38 percent in 2014.

2015 RETAIL REBATES/INSTANT DISCOUNTS

	Number of Rebates/Instant Discounts	Annual Energy Savings			Lifetime Energy Savings			MMBTU		CO ₂ Savings		Dollar Savings	
		kWh	CCF	Oil/Propane	kWh	CCF	Oil/Propane	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
Natural Gas Water Heater	3,061	—	196,032	—	—	3,691,372	—	20,172	379,842	1,180	22,221	\$ 201,798	\$ 3,799,943
Heat Pump Water Heater	1,219	2,041,825	—	—	20,644,375	—	—	6,967	70,439	1,038	10,490	\$ 415,028	\$ 4,196,246
HVAC (Central Air, Furnace and Boilers)	18,198	4,217,870	831,132	46,871	64,993,410	16,622,644	937,365	106,415	2,062,231	7,671	143,573	\$ 1,843,029	\$ 32,924,418
Geothermal Heat Pump	31	48,126	—	—	866,263	—	—	164	2,956	24	440	\$ 9,782	\$ 176,080
Ductless Heat Pump	1,475	1,350,386	—	—	24,297,971	—	—	4,608	82,905	686	12,347	\$ 274,484	\$ 4,938,888

2015 RETAIL LIGHTING PRODUCTS

 <p>Products Sold</p> <p>CFLs 1,725,859 LEDs 2,165,648 Other Lighting 16,227</p>	 <p>Energy Savings</p> <p>kWh Annual 91.1 Million kWh Lifetime 894.2 Million</p>	 <p>Annual Savings</p> <p>\$18.5 Million</p>
 <p>CO₂ Emissions Reduced</p> <p>46,303 Tons (Annual)</p>	 <p>MMBTUs</p> <p>Annual 310.9 Thousand Lifetime 3.1 Million</p>	 <p>Lifetime Savings</p> <p>\$181.8 Million</p>

Personalized Customer Engagement

CUSTOMER ENGAGEMENT PLATFORMS ON EVERSOURCE.COM AND UINET.COM

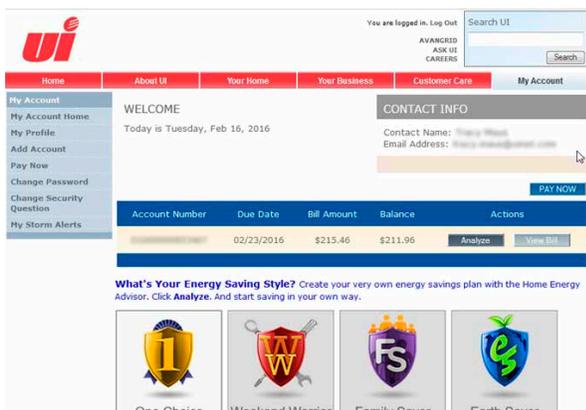
In 2015, Eversource and UI launched new and/or enhanced online tools to help customers better understand how they use energy at home and at work, and connect them with the energy efficiency solutions they need.

Residential and small business customers from Eversource, The United Illuminating Company, Southern Connecticut Gas and Connecticut Natural Gas can now view their energy use via customized energy efficiency planning tools through their utility web accounts. The engagement tools reflect the past energy efficiency program participation of each enrolled customer and becomes even more customized as users answer simple profile questions. Energy usage graphics provide visual insight and users can see how their usage changes from month to month and as a result of taking advantage of the energy efficiency resources available to them.

In 2015, Eversource also launched an enterprise-level online solution for larger commercial, industrial and municipal customers. This online service enables energy managers to visualize energy usage across multiple facilities, identify seasonal and operational trends, and facilitate planning.

HOME ENERGY REPORTS

In 2015, approximately 297,000 Eversource and 54,000 United Illuminating customers in Connecticut received customized reports detailing their home's energy use compared to "neighbors" with similar-sized homes within a two-mile radius. All participants had access to interactive energy information through an online portal, and high-usage customers received paper reports in the mail as well. Both the printed reports and portal include energy-saving tips and positive reinforcement encouraging customers to engage in energy conservation behaviors and to take advantage of the energy-saving services and rebates available in Connecticut. As a result of the 2015 reports, Eversource and UI customers jointly saved more than 52,600 megawatt-hours annually and more than 107,900 lifetime megawatt-hours.



Find out how much home energy you're using. And how to use less.

Every kilowatt hour you save, keeps money in your wallet. Here's your next Home Energy Report. Take a look to see how you're doing compared to homes like yours and how you can increase efficiency and reduce waste. By taking some simple steps to save energy in your home throughout the year, you can save energy and money.

Last month you used more energy than homes like yours. But don't worry! This report has lots of simple steps you can take to start saving energy today!



* Similar homes that have the lowest energy use (best 15 percent).
** Homes close to yours that have a similar size, style, age and number of occupants.

Tips to Help You Cut Energy Use This Year...and for Years to Come



Make your home a smart home.

A Wi-Fi Smart thermostat can help you save energy while staying comfortable. Program the temperature to stay cool overnight. Set the thermostat to turn on the heat just before you get up, so you awake to a warm home. Most models allow multiple changes per day as well as different settings for weekends. You can override the program at any time.

SAVE UP TO \$20 PER YEAR

Community and Education Energy Solutions

eesmarts™

Throughout 2015 the program conducted 28 regional professional development workshops for over 480 educators from over 100 schools and 70 educational agencies. These workshops provide educators access to curriculum, materials, and inquiry methods regarding the basics of energy efficiency, renewable energy, climate change, and how electricity works. The program's comprehensive K-12 energy education lessons, activities, and materials align with the state's science and math frameworks, the Common Core State Standards and the Next Generation Science Standards.

The program continued its partnership with Project Learning Tree to hold professional development workshops throughout the state. The eesmarts program also partnered with the Connecticut Invention Convention to bring energy curriculum to a pilot program in Manchester schools. More than 14,500 students, parents, and educators were reached through eeEvents at schools and museums. The eesmarts program also sponsored the 2015 Connecticut Science and Engineering Fair's Sustainable Resource and Practices (middle school), Future Sustainability (high school) and Alternative/Renewable Energy (middle/high school) categories. The winners of these categories went on to perform well in international competitions with their projects. Also in 2015, the eesmarts program was featured at the annual North American Association for Environmental Education Conference in San Diego, California.

TECHNICAL HIGH SCHOOL PARTNERSHIPS

Energize CT continued its support of the E-House initiative, with the 8th student-built demonstration home opening in May 2015 at Kaynor Technical High School in Waterbury.

In 2015, the eesmarts program wrapped up the Clean Trades pilot with students completing and presenting energy efficiency projects at their schools and participating in an employer panel to learn more about opportunities in the industry.

In November 2015, eesmarts teamed up with the Connecticut Technical High School System and the CBIA Education & Workforce Partnership to kick off the Green Sustainable Technical Education Program (Green STEP). This program enables students to bring sustainable building and technology concepts they learn in the classroom into the field and to work with industry experts in preparation for careers or higher education in this competitive industry.

11TH ANNUAL STUDENT CONTEST

The 2015 student contest had over 700 submissions and 32 finalists representing 19 cities and towns across the state. Entries took the form of posters, narratives, news articles, book reviews, essays, persuasive speeches, public service announcements and community projects. NBC Connecticut Anchor Todd Piro served as the master of ceremonies and Governor Dannel P. Malloy was the keynote speaker at the annual awards ceremony at the State Capitol.

THE ENERGIZE CT CENTER AND MUSEUM PARTNERSHIPS

A major accomplishment in 2015 was the completion and grand opening of the new Energize CT Center. An energy resource center featuring hands-on learning displays for children, technology displays for adult energy consumers, and a conference and meeting space for Connecticut's energy stakeholders and trade allies.

The Center offers educational tours, seminars and special events – all focused on teaching residents and businesses how to use energy wisely without sacrificing comfort or style.

Through professionally-guided or self-guided tours, visitors can learn about energy sources, electricity generation, the important role energy plays in daily life, and programs and financing available to implement energy efficiency and renewable solutions in their homes and businesses.

The Energize Connecticut Center is located at 122 Universal Drive North in North Haven.

MUSEUM PARTNERSHIP LOCATIONS

Connecticut Science Center (Hartford) – Energy City Gallery

The Discovery Museum (Bridgeport) – Energy Exhibit

Stepping Stones Museum for Children (Norwalk) – Energy Lab! Gallery, traveling Mini-Conservation QuestSM Exhibit

The Trash Museum (Hartford) – The Energy-Recycling Connection Exhibit



From left: Patrick McDonnell, Sr. director of conservation and load management, The United Illuminating Company; Dave W. Yaccarino, state representative; Michael Freda, North Haven first selectman; David McHale, executive vice president and chief administrative officer, Eversource; Commissioner Robert Klee, Department of Energy and Environmental Protection (DEEP); Tony Marone, senior vice president of customer and business services, The United Illuminating Company; Marissa Westbrook, manager residential energy services, The United Illuminating Company; Matthew Gibbs, director of energy efficiency, Eversource; (back row) Robert Schmitt, senior associate, Connecticut Green Bank; Craig Diamond, executive secretary, Connecticut Energy Efficiency Board.

CLEAN ENERGY COMMUNITIES



The Clean Energy Communities program empowers community leaders, households, and local businesses with the tools and resources they need to work together to set clean energy goals. The administrators of both the Energy Efficiency Fund and the Connecticut Green Bank work with participating cities and towns to reduce their municipal building energy consumption, to increase their use of renewable resources, and to enable residents and local businesses to participate in various smart energy programs and services.

2015 STATISTICAL HIGHLIGHTS

CLEAN ENERGY COMMUNITIES 2015 STATISTICAL HIGHLIGHTS

154 cities and towns are now Clean Energy Communities

81 municipalities participated in the Municipal Technical Assistance Benchmarking program

\$293,000 in Bright Idea Grants awarded to 63 communities

9,576 homes participated in Home Energy Solutions (including income eligible households) as a result of Clean Energy Communities HES outreach campaigns conducted in 35 cities and towns

More than **300 outreach events** held throughout Connecticut

MAKING A DIFFERENCE

In October 2015, 148 communities gathered at the Oakdale Theater in Wallingford, Connecticut to be recognized for their achievements in the Clean Energy Communities program. Together, these municipalities collectively saved more than 1.7 billion kilowatt-hours and 18.6 million ccf through their energy efficiency and renewable energy efforts. Those savings are comparable to the amount of electricity 200,000 homes would typically consume in one year, and result in avoided emission of approximately 926,806 tons of CO₂. This is equivalent to taking 159,527 cars off the road for a year or planting 237,172 acres of trees. In honor of this achievement, the State of Connecticut issued an official proclamation declaring October 14, 2015, as Clean Energy Communities Day.

The ceremony was highlighted by keynote speaker Lynne Hamjian, the deputy director of the office of ecosystem protection for the Environmental Protection Agency (EPA) New England.

Connecticut Department of Energy and Environmental Protection Commissioner Robert Klee was also in attendance to congratulate the participants.

The following Communities were honored with a "Gold Star" designation.

Bloomfield
★

MEMBER SINCE **2012**

ENERGY SAVED JAN. 2010 – JULY 2015

28,987,679 kWh
162,788 ccf

EMISSIONS AVOIDED

Equivalent to **15,179** tons of CO₂ avoided
2,647 cars off the road for one year
3,763 acres of trees planted

HOW THEY DID IT

- Currently conducting Business Energy Solutions outreach initiative to educate the business community on energy savings programs
- Established first residential outreach campaign generated over \$16,000 in donations to the Bloomfield Fuel Bank
- **2,381** (28%) homes have participated in residential programs
- **257** (21%) business & municipal energy-saving projects completed
- Earned three renewable rewards which town is using to install a solar photovoltaic system on Wintonbury Library
- Bloomfield is a C-PACE and Solarize CT community

CLEAN ENERGY COMMUNITIES

Cheshire

MEMBER SINCE 2014



ENERGY SAVED JAN. 2010 – JULY 2015

11,903,868 kWh
324,805 ccf



EMISSIONS AVOIDED



Equivalent to **7,788** tons of CO₂ avoided
1,358 cars off the road for one year



1,932 acres of trees planted

HOW THEY DID IT

- Used \$10,000 Bright Idea Grant to host Cheshire Light Bulb Event handing out 8,000 LED bulbs to Cheshire residents
- Earned their second \$10,000 Bright Idea Grant
- **2,094** (22%) homes have participated in residential programs
- **189** (15%) business & municipal energy-saving projects completed
- Earned 4 rewards on renewable track; previously installed solar photovoltaic system at Cheshire Public Library
- Whole Foods Market Distribution Center, Alexion Pharmaceuticals and Napoli Foods all installed large commercial solar systems

Mansfield

MEMBER SINCE 2013



ENERGY SAVED JAN. 2010 – JULY 2015

13,935,059 kWh
46,575 ccf



EMISSIONS AVOIDED



Equivalent to **7,106** tons of CO₂ avoided
1,239 cars off the road for one year



1,762 acres of trees planted

HOW THEY DID IT

- First community to earn 3 Bright Idea Grants
- Used \$10,000 Bright Idea Grant to replace and install outside LED lighting, annually saving over 50,000 kWh
- **1,558** (27%) homes have participated in residential programs
- **224** (39%) business & municipal energy-saving projects completed
- Earned 3 rewards on renewable track; previously installed solar PV systems at E.O. Smith High School
- Solar pioneer with early power purchase agreement

Middletown

MEMBER SINCE 2013



ENERGY SAVED JAN. 2010 – JULY 2015

35,751,376 kWh
586,922 ccf



EMISSIONS AVOIDED



Equivalent to **21,049** tons of CO₂ avoided
3,670 cars off the road for one year



5,219 acres of trees planted

HOW THEY DID IT

- Used \$15,000 Bright Idea Grant to perform ASHRAE Level II audit at Police Department to identify energy-saving projects
- Raised \$4,500 for Middletown Tree Planting Fund through residential program participation
- **5,925** (29%) homes have participated in residential programs
- **317** (16%) business & municipal energy-saving projects completed
- Installed a solar photovoltaic system at Middletown VoAg School and a geothermal system at the Senior and Community Center
- First Clean Energy Community in state under original program

North Haven

MEMBER SINCE 2012



ENERGY SAVED JAN. 2010 – JULY 2015

18,118,719 kWh
133,869 ccf



EMISSIONS AVOIDED



Equivalent to **9,681** tons of CO₂ avoided
1,688 cars off the road for one year



2,400 acres of trees planted

HOW THEY DID IT

- Benchmarked 100% of their Municipal and Board of Ed Buildings
- Currently conducting Home Energy Solutions and Small Business outreach campaigns
- **1,846** (20%) homes have participated in residential programs
- **299** (17%) business & municipal energy-saving projects completed
- Earned 2 rewards on renewable track; installed a solar PV system at High School
- North Haven is a C-PACE community

Business Energy Solutions

SMALL BUSINESS ENERGY ADVANTAGE

The small business program continues to provide comprehensive energy-saving projects and energy cost-saving solutions to small businesses throughout Connecticut. During 2015, in addition to the broader and deeper measures such as kitchen hood controls and energy management systems, exploration into advanced lighting controls began. The balance of offerings provided includes lighting, refrigeration, motor controls and natural gas efficiency measures.

"We plan to reinvest the savings from these efforts directly back to patient care. For years to come, the savings can help us remain relevant in the rapidly changing health care environment, supporting new technology or better equipment."

Ben Schiano,
Apple Rehab Laurel Woods



"I never dreamed our company would be able to complete a project this size so quickly with minimal out-of-pocket...with no disruption to our day-to-day tasks, and identified great equipment and solutions that are perfect for our business."

Lorraine Calder,
White Flower Farm

APPLE REHAB LAUREL WOODS (EAST HAVEN)

COMPREHENSIVE MEASURES INCLUDE

- Interior and exterior LED lighting upgrade
- Lighting controls
- Motor control upgrades for walk-in freezer and cooler unit
- Kitchen ventilation hood
- Condensing boilers

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$76,000**
- 211,111 kWh** saved annually
- \$38,000** saved annually

WHITE FLOWER FARM

COMPREHENSIVE MEASURES INCLUDE

- Energy-efficient lighting throughout the retail nursery and warehouse, including grow lights
- HVAC system including dual enthalpy economizers
- Efficient refrigeration units
- Variable frequency drive on water pump

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$242,589**
- 380,000 kWh** saved annually
- 13,000 ccf** saved annually
- \$102,000** saved annually

2015 SMALL BUSINESS ENERGY ADVANTAGE PROGRAM



Businesses Served
1,823



CO₂ Emissions Reduced
21,527 Tons (Annual)



Annual Savings
\$6.6 Million



Lifetime Savings
\$82.4 Million



MMBTUs
Annual: 152.3 Thousand
Lifetime: 1.9 Million



Energy Savings (kWh = Electricity, CCF = Natural Gas)
kWh Annual: 40.9 Million
kWh Lifetime: 507.3 Million
CCF Annual: 124.9 Thousand
CCF Lifetime: 1.7 Million

Business Energy Solutions

NEW CONSTRUCTION / EQUIPMENT

In 2015, the Energy Efficiency Fund continued to support commercial and industrial customers initiating new construction or new electric or natural gas equipment purchases through an incentive structure that offsets the incremental cost between baseline equipment and standards and high efficiency options.

This prescriptive approach is effective for many types of facilities, but for certain complex buildings with aggressive performance targets, a “whole building performance” approach is also available. This approach uses modeling to predict the overall impact of system updates and their interactive effects on a building’s energy profile.



TOWN OF SOUTHINGTON (KENNEDY AND DEPAULO MIDDLE SCHOOLS)

COMPREHENSIVE MEASURES INCLUDE

- Interior and exterior lighting
- Lighting controls
- Condensing boilers
- Air-cooled chiller
- Dedicated outside air system with demand controlled ventilation and energy recovery
- Variable frequency drives on fans and pumps

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$537,624**
- 982,000 kWh** saved annually
- 77,000 ccf** saved annually
- \$269,000** saved annually

“Our building committee wanted to create state-of-the-art spaces that were also environmentally-conscious and cost effective. Energize Connecticut helped us secure incentives to offset the cost of the upgrades, which will save the school system significant energy and money – money that can be put back where it matters most: the classroom.”

Timothy Connellan,
Southington Schools Superintendent

“...A totally integrated energy conscious blueprint that enabled us to identify and take advantage of various programs previously unknown to us and provided a coordinated path to achieving the goal of operational efficiency.”

Joe Blichfeldt Sr., Quality Hyundai



QUALITY HYUNDAI

COMPREHENSIVE MEASURES INCLUDE

- Transformed former U.S. Post Office center into 24,000 square foot show room and service center
- Interior and exterior LED lighting
- High efficiency HVAC system
- Heaters fueled by recycled motor oil
- Prismatic rooftop lens
- Low-emissivity glass
- Heavy insulation
- 500 rooftop solar panels (not included in energy efficiency savings calculations)

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$57,500**
- 115,510 kWh** saved annually
- 1,962 ccf** saved annually
- \$20,084** saved annually

2015 NEW CONSTRUCTION & EQUIPMENT



Businesses Served
1,086



CO₂ Emissions Reduced
30,952 Tons (Annual)



Annual Savings
\$8.1 Million



Lifetime Savings
\$125.3 Million



MMBTUs
Annual: 280.8 Thousand
Lifetime: 4.5 Million



Energy Savings (kWh = Electricity, CCF = Natural Gas)
kWh Annual: 47.1 Million
kWh Lifetime: 714.4 Million
CCF Annual: 1.2 Million
CCF Lifetime: 20.5 Million

BUSINESS AND ENERGY SUSTAINABILITY

PROGRAMS:

- Energy Opportunities
- Operations & Maintenance Services
- Retro Commissioning
- Process Reengineering for Increased
- Manufacturing Efficiency (PRIME)
- Business Sustainability Challenge (BSC)

Energy efficiency solutions for existing commercial, industrial and municipal buildings address energy use in the context of the total lifecycle of the building and the behaviors of the occupants within them.

Through energy usage assessments, PRIME and BSC events that focus on the interaction of human behavior and production efficiency, to incentive opportunities for retro commissioning and equipment upgrades -- business and energy sustainability solutions are a cost-effective way to establish a competitive advantage. In 2015, the utility companies refined their retrofit solutions to better address the specific needs of commercial, industrial, municipal and state governments, schools and universities and other critical segments within our state's business make up.

AREA COOPERATIVE EDUCATIONAL SERVICES (ACES), WINTERGREEN INTERDISTRICT MAGNET SCHOOL
Combined retrofit and new equipment



MEASURES INCLUDE

- High efficiency gas boilers
- Variable frequency drives for circulation pumps
- Exterior and interior LED lighting

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$132,702**
- 237,000 kWh** saved annually
- 6,000 ccf** saved annually
- \$42,250** saved annually

“When you look at the annual expenses and tight budgets of a school, energy cost is one area to reduce without negatively impacting the quality of education provided. The energy-efficient improvements implemented at Wintergreen improved our bottom line, and the resulting savings.”

Tim Howes, ACES

2015 BUSINESS AND ENERGY SUSTAINABILITY



Businesses Served
3,291



CO₂ Emissions Reduced
89,566 Tons (Annual)



Annual Savings
\$25.6 Million



Lifetime Savings
\$279.3 Million



MMBTUs

Annual	Lifetime
697.2 Thousand	7.6 Million



Energy Savings (kWh = Electricity, CCF = Natural Gas)

kWh Annual	CCF Annual
158.1 Million	1.5 Million
kWh Lifetime	CCF Lifetime
1.7 Billion	16.6 Million

Business Energy Solutions

BUSINESS AND ENERGY SUSTAINABILITY



SILAS DEANE PROFESSIONAL CENTER

MEASURES INCLUDE

- Interior and exterior energy-efficient lighting
- High efficiency chiller with variable frequency drive
- High efficiency natural gas boilers
- Automated HVAC control system
- Cool roof with white, heat-reflecting membranes
- Energy-saving window tint

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$400,000**
- 390,000 kWh** saved annually
- 13,000 ccf** saved annually
- \$64,000** saved annually

“Prospective tenants want to see a modern space that is also sustainable and energy efficient, as they know that their overall costs will also be lower as a result.”

Bob Gaucher, Leasing Broker,
OR&L Commercial



TOWN OF TRUMBULL

Combined retrofit and new construction to Town Hall, Town Hall Annex, Public Works Garages, Senior Center, Library, Emergency Medical Services building, Hillcrest Middle School, French Town Elementary

2013-2015 MEASURES INCLUDE

- Interior and exterior fluorescent and LED lighting
- Lighting controls
- High efficiency natural gas boilers and controls
- Energy management systems
- High efficiency rooftop HVAC units
- Variable frequency drives
- High efficiency natural gas domestic hot water equipment

ESTIMATED ANNUAL SAVINGS

- Energy Efficiency Fund incentive: **\$452,028**
- 1,386,748 kWh** saved annually
- 75,685 ccf** saved annually
- \$274,478** saved annually

“We are pursuing efficient operations in all facets of our business, including energy efficiency and renewable resources. As we identify opportunities, we plan to avail ourselves of any and all programs.”

First Selectman Timothy M. Herbst,
Town of Trumbull

PROTECTING CONNECTICUT'S TREASURED ENVIRONMENT

Improving air quality in the Northeast continues to be an important focus of the Connecticut Energy Efficiency Fund.



Reducing the amount of energy used in Connecticut results in less power plant operation time and significantly reduces the emission of carbon dioxide, oxides of nitrogen, and sulfur oxides – which are all associated with environmental issues like ozone depletion, climate change, public health problems, acid rain and smog.

By playing an integral role in helping to reduce greenhouse gas and air pollutant emissions, the Energy Efficiency Fund's programs play a vital role in the overall economic and environmental health of Connecticut.

The lifetime energy savings achieved through Energy Efficiency Fund programs in 2015 resulted in

AVOIDED EMISSIONS OF
3,272,648
 TONS OF CARBON DIOXIDE,
 EQUIVALENT TO REMOVING
786,694
 CARS OFF THE ROAD FOR A YEAR.

REFLECTING REDUCTION IN CRITERIA POLLUTANTS AND CARBON DIOXIDE (IN TONS)

AIR EMISSIONS	ESTIMATED ANNUAL SAVINGS 2015			ESTIMATED LIFETIME SAVINGS 2015		
	Electric	Natural Gas	Fuel Oil & Propane	Electric	Natural Gas	Fuel Oil & Propane
SO _x Tons	106	—	110	1,100	3	2,359
NO _x Tons	89	27	16	929	451	333
CO ₂ Tons	221,417	33,442	18,946	2,300,309	567,147	405,192

DEMONSTRATING ECONOMIC BENEFITS THROUGHOUT CONNECTICUT

This list includes energy efficiency and conservation benefits provided to residential, commercial and industrial customers of the electric and gas utilities, the Connecticut Municipal Electric Energy Cooperative (CMEEC), and The Wallingford Electric Division.

Town	Energy Incentives	Annual kWh Savings	Lifetime kWh Savings	Peak Demand kW	Annual CCF Savings	Lifetime CCF Savings	Annual Gallons (Oil & Propane)	Lifetime Gallons (Oil & Propane)	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Andover	\$ 59,329	89,732	1,107,205	12	—	—	2,535	52,402	\$ 22,865	\$ 336,451	74
Ansonia	\$ 1,254,297	1,926,561	22,066,628	304	37,784	645,025	6,705	147,387	\$ 388,215	\$ 4,762,060	1,278
Ashford	\$ 71,480	61,265	986,703	11	—	—	3,570	75,434	\$ 20,688	\$ 379,169	70
Avon	\$ 506,444	944,574	10,208,015	162	21,801	398,614	11,514	239,143	\$ 215,573	\$ 2,757,801	728
Barkhamsted	\$ 75,054	220,522	2,957,647	16	—	—	2,301	46,522	\$ 45,341	\$ 640,713	132
Beacon Falls	\$ 55,379	48,443	550,008	10	363	7,180	4,386	97,217	\$ 20,954	\$ 369,612	71
Berlin	\$ \$939,610	2,904,346	33,178,828	276	35,124	503,756	7,346	148,866	\$ 560,809	\$ 6,574,003	1,765
Bethany	\$ 95,298	56,192	688,242	12	—	—	8,277	187,384	\$ 32,788	\$ 636,571	114
Bethel	\$ 270,485	887,835	12,087,697	115	4,016	77,692	6,923	145,249	\$ 179,175	\$ 2,558,843	548
Bethlehem	\$ 58,204	115,966	1,495,078	19	—	—	1,856	38,727	\$ 25,627	\$ 365,873	79
Bloomfield	\$ 2,530,886	4,152,706	46,113,655	555	148,556	2,555,783	49,580	1,122,168	\$ 985,443	\$ 13,197,832	3,553
Bolton	\$ 106,242	137,765	1,670,390	19	376	7,512	4,495	91,932	\$ 37,056	\$ 549,346	120
Bozrah	\$ 86,400	319,988	3,712,554	39	—	—	152	3,038	\$ 56,993	\$ 651,404	164
Branford	\$ 764,976	1,604,550	19,961,481	257	36,845	708,595	5,215	104,201	\$ 326,445	\$ 4,330,761	1,093
Bridgeport	\$ 8,858,993	10,387,278	120,538,197	1,558	181,202	3,575,490	33,512	753,690	\$ 2,068,482	\$ 25,913,698	6,742
Bridgewater	\$ 17,691	18,688	226,316	2	—	—	518	11,793	\$ 4,735	\$ 71,758	15
Bristol	\$ 2,334,076	5,882,610	76,262,146	828	38,221	762,443	27,058	569,866	\$ 1,144,173	\$ 15,412,249	3,511
Brookfield	\$ 1,288,767	6,635,527	78,089,175	843	26,021	465,398	12,625	278,286	\$ 1,228,048	\$ 14,678,096	3,656
Brooklyn	\$ 147,005	429,921	3,747,175	51	514	11,655	4,929	101,249	\$ 90,014	\$ 938,192	276
Burlington	\$ 191,553	238,074	3,185,672	49	5,485	131,491	9,627	203,574	\$ 72,894	\$ 1,222,517	244
Canaan	\$ 1,014,390	3,414,609	51,174,426	350	—	—	1,371	30,181	\$ 607,488	\$ 8,946,741	1,750
Canterbury	\$ 46,056	66,610	808,834	5	—	—	2,050	40,605	\$ 17,437	\$ 252,200	57
Canton	\$ 113,499	162,694	2,012,944	24	2,942	54,253	6,461	143,082	\$ 48,869	\$ 788,538	169
Chaplin	\$ 18,201	19,202	230,639	1	—	—	1,144	25,027	\$ 6,553	\$ 109,047	22
Cheshire	\$ 2,037,266	3,419,318	46,228,331	744	84,025	1,442,063	22,385	486,142	\$ 731,021	\$ 10,541,013	2,468
Chester	\$ 76,458	173,516	2,227,971	40	—	—	1,953	40,450	\$ 36,071	\$ 497,566	110
Clinton	\$ 257,486	392,343	4,955,918	61	4,700	91,369	10,082	203,696	\$ 100,820	\$ 1,496,296	333
Colchester	\$ 246,141	389,884	4,674,207	69	—	—	14,348	321,292	\$ 108,545	\$ 1,696,660	325
Colebrook	\$ 16,767	11,342	150,719	1	—	—	933	20,483	\$ 4,581	\$ 82,657	15
Columbia	\$ 194,464	419,320	4,660,256	66	—	—	4,375	90,488	\$ 86,216	\$ 1,056,994	257
Cornwall	\$ 42,910	84,796	1,171,144	17	—	—	1,308	26,865	\$ 18,603	\$ 277,017	57
Coventry	\$ 168,799	208,994	2,671,538	28	—	—	14,472	268,170	\$ 76,908	\$ 1,203,128	248
Cromwell	\$ 767,341	1,853,240	21,946,625	302	47,067	742,219	6,040	126,838	\$ 380,560	\$ 4,764,882	1,290
Danbury	\$ 2,465,216	7,915,684	92,126,398	1,091	67,900	1,228,754	19,636	399,743	\$ 1,505,976	\$ 18,075,684	4,635
Darien	\$ 511,049	1,254,493	16,914,286	241	31,962	777,679	18,153	399,995	\$ 296,519	\$ 4,676,781	1,006
Deep River	\$ 67,313	137,742	1,948,363	20	224	4,474	1,912	37,326	\$ 29,803	\$ 444,213	92
Derby	\$ 510,520	659,274	7,161,985	90	12,082	248,605	3,999	82,569	\$ 136,901	\$ 1,673,927	452
Durham	\$ 64,738	126,209	1,250,900	23	—	—	3,301	64,479	\$ 31,427	\$ 394,681	98
East Granby	\$ 213,423	599,094	8,476,520	78	136	2,455	3,447	70,073	\$ 115,543	\$ 1,663,635	343
East Haddam	\$ 111,922	205,079	3,429,991	28	—	—	4,692	97,356	\$ 49,212	\$ 862,874	153
East Hampton	\$ 155,783	227,124	3,415,010	29	3,332	66,643	8,058	168,347	\$ 64,968	\$ 1,111,373	215
East Hartford	\$ 2,897,445	4,717,596	59,538,341	461	67,508	1,271,603	40,431	914,448	\$ 997,666	\$ 13,887,954	3,249
East Haven	\$ 1,072,552	1,925,370	21,635,106	197	26,469	451,278	7,259	161,964	\$ 380,822	\$ 4,567,416	1,210
East Lyme	\$ 847,898	907,099	9,602,280	232	34,488	784,489	11,602	245,875	\$ 218,957	\$ 2,990,443	787
East Windsor	\$ 454,841	1,393,673	14,486,686	198	11,355	183,392	6,444	117,188	\$ 272,933	\$ 2,984,245	845
Eastford	\$ 21,656	37,547	436,147	4	—	—	806	15,820	\$ 8,864	\$ 119,221	28
Easton	\$ 286,677	378,055	4,181,775	63	2,358	47,990	4,624	101,862	\$ 81,422	\$ 1,045,194	253
Ellington	\$ 790,062	1,231,277	16,861,404	197	19,136	422,669	11,576	241,796	\$ 264,381	\$ 3,937,379	863
Enfield	\$ 1,760,728	6,923,494	80,660,939	829	36,197	567,818	28,648	623,833	\$ 1,331,033	\$ 16,162,243	4,051
Essex	\$ 275,902	481,064	6,233,438	89	10,331	157,774	5,112	107,917	\$ 107,118	\$ 1,508,007	362
Fairfield	\$ 3,319,121	4,121,706	44,386,979	635	110,419	1,943,896	18,242	405,359	\$ 864,082	\$ 10,413,868	2,957
Farmington	\$ 1,637,553	2,830,259	32,204,910	371	65,283	1,122,497	10,141	213,723	\$ 578,643	\$ 7,095,850	1,938
Franklin	\$ 75,055	163,525	2,190,981	11	118	2,354	1,974	43,416	\$ 34,453	\$ 501,297	103

The towns indicated in **green** are Clean Energy Communities. Home Energy Reports behavior benefits not included in this listing. Eversource's C&I Upstream lighting savings are not included.

CONTINUED ON NEXT PAGE

Town	Energy Incentives	Annual kWh Savings	Lifetime kWh Savings	Peak Demand kW	Annual CCF Savings	Lifetime CCF Savings	Annual Gallons (Oil & Propane)	Lifetime Gallons (Oil & Propane)	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Glastonbury	\$ 993,911	2,922,812	32,170,872	399	27,721	545,052	14,129	295,364	\$ 577,103	\$ 6,838,042	1,796
Goshen	\$ 45,332	51,339	743,453	9	—	—	2,619	60,238	\$ 16,307	\$ 295,082	49
Granby	\$ 342,052	580,419	7,041,433	80	10,554	136,701	6,265	128,691	\$ 128,040	\$ 1,687,892	420
Greenwich	\$ 1,951,165	4,174,935	52,961,651	635	111,132	1,892,532	13,600	310,435	\$ 861,223	\$ 11,594,459	2,914
Griswold	\$ 89,209	182,404	2,308,808	18	—	—	2,624	51,908	\$ 39,494	\$ 543,203	118
Groton	\$ 804,128	2,693,512	30,862,879	324	866	13,342	5,443	108,785	\$ 491,907	\$ 5,656,836	1,414
Guilford	\$ 975,091	1,526,154	20,810,095	476	16,890	327,818	15,908	330,977	\$ 326,749	\$ 4,789,114	1,044
Haddam	\$ 143,785	211,900	2,802,160	32	—	—	6,845	139,417	\$ 56,364	\$ 870,263	179
Hamden	\$ 2,478,650	4,229,039	46,174,426	572	48,174	888,738	18,603	413,103	\$ 836,141	\$ 9,872,629	2,643
Hampton	\$ 23,221	30,103	344,063	5	—	—	982	19,663	\$ 8,035	\$ 113,880	26
Hartford	\$ 8,240,146	13,479,112	165,972,463	1,850	492,656	7,749,586	54,822	1,168,902	\$ 2,913,702	\$ 38,379,671	10,424
Hartland	\$ 30,588	48,134	360,658	5	—	—	1,760	34,332	\$ 13,370	\$ 157,257	43
Harwinton	\$ 67,683	98,977	1,541,619	12	126	2,523	2,771	54,329	\$ 25,246	\$ 419,097	77
Hebron	\$ 118,669	191,320	2,625,189	30	322	6,281	4,997	97,702	\$ 47,869	\$ 729,630	152
Kent	\$ 226,950	1,004,915	14,515,935	31	—	—	1,656	34,078	\$ 182,240	\$ 2,608,250	527
Killingly	\$ 653,654	1,456,676	16,021,292	222	50,857	294,377	13,046	283,061	\$ 332,709	\$ 3,799,755	1,179
Killingworth	\$ 104,190	134,018	1,705,884	19	—	—	5,152	105,790	\$ 37,919	\$ 587,545	123
Lebanon	\$ 37,668	53,665	716,004	4	—	—	2,086	45,097	\$ 15,249	\$ 248,525	49
Ledyard	\$ 424,480	1,627,075	23,203,458	257	930	13,952	5,885	123,794	\$ 304,632	\$ 4,372,166	895
Lisbon	\$ 364,006	1,773,197	17,271,255	194	—	—	1,102	22,310	\$ 316,545	\$ 3,052,979	912
Litchfield	\$ 280,440	297,852	3,707,752	47	582	11,644	12,977	273,100	\$ 88,937	\$ 1,405,838	294
Lyme	\$ 22,423	25,395	325,364	4	264	5,488	1,146	22,862	\$ 7,856	\$ 124,012	26
Madison	\$ 459,273	757,992	9,647,512	157	16,059	319,644	13,273	269,780	\$ 183,022	\$ 2,680,034	614
Manchester	\$ 2,438,538	6,471,618	70,770,466	868	93,740	1,780,117	22,530	463,443	\$ 1,278,545	\$ 15,008,476	4,094
Mansfield	\$ 651,684	1,491,818	18,649,115	281	8,026	128,413	11,632	245,559	\$ 302,047	\$ 4,014,162	920
Marlborough	\$ 110,467	191,727	2,466,525	25	—	—	5,100	107,123	\$ 47,977	\$ 722,967	146
Meriden	\$ 2,449,221	5,142,666	62,305,951	716	99,157	1,772,983	19,482	402,228	\$ 1,039,342	\$ 13,367,510	3,427
Middlebury	\$ 226,035	705,867	9,004,794	96	2,432	43,173	6,226	125,588	\$ 143,860	\$ 1,942,065	435
Middlefield	\$ 225,846	822,891	11,893,106	134	779	18,873	4,799	100,666	\$ 159,336	\$ 2,353,425	469
Middletown	\$ 2,230,415	5,373,037	61,040,795	787	47,574	835,032	35,471	756,342	\$ 1,084,510	\$ 13,350,773	3,373
Milford	\$ 3,987,436	6,435,308	74,348,043	866	91,530	1,683,731	11,781	259,302	\$ 1,240,746	\$ 14,984,807	3,941
Monroe	\$ 249,929	390,636	5,109,728	72	5,690	117,261	10,205	223,196	\$ 101,621	\$ 1,598,177	330
Montville	\$ 955,039	1,725,811	19,982,030	287	424,930	8,498,339	5,842	120,752	\$ 648,351	\$ 10,819,112	3,498
Morris	\$ 72,225	100,614	1,258,660	27	—	—	2,145	47,129	\$ 23,712	\$ 348,123	75
Naugatuck	\$ 1,258,648	2,430,606	29,850,119	339	35,355	623,067	19,799	418,140	\$ 511,613	\$ 6,839,561	1,664
New Britain	\$ 3,405,197	8,906,557	105,003,066	1,088	124,360	1,928,239	35,974	811,425	\$ 1,769,733	\$ 22,020,781	5,676
New Canaan	\$ 344,045	448,810	7,386,886	119	971	19,617	20,235	436,474	\$ 135,966	\$ 2,500,728	433
New Fairfield	\$ 321,253	727,563	9,395,541	111	305	7,243	9,398	207,163	\$ 154,815	\$ 2,205,271	465
New Hartford	\$ 283,209	1,306,767	13,922,094	166	—	—	5,230	108,003	\$ 245,476	\$ 2,709,504	716
New Haven	\$ 9,574,045	24,579,627	273,888,745	2,878	217,493	3,455,032	13,985	306,695	\$ 4,551,709	\$ 51,140,286	13,953
New London	\$ 437,649	966,568	12,218,370	82	12,669	246,691	4,395	93,424	\$ 192,775	\$ 2,578,084	617
New Milford	\$ 1,174,361	3,358,338	42,156,829	431	26,196	188,107	19,856	393,049	\$ 668,741	\$ 8,542,264	2,054
Newington	\$ 1,144,974	3,033,042	34,429,929	605	44,586	869,648	8,494	180,058	\$ 594,016	\$ 7,179,266	1,901
Newtown	\$ 491,195	768,014	10,423,692	168	8,075	146,373	16,613	362,295	\$ 187,868	\$ 2,926,673	605
Norfolk	\$ 35,435	40,464	513,564	6	1,082	10,822	1,340	30,028	\$ 11,685	\$ 180,801	41
North Branford	\$ 299,297	709,557	6,514,237	77	8,427	137,875	3,147	67,474	\$ 140,626	\$ 1,428,531	444
North Canaan	\$ 27,218	74,649	852,122	6	—	—	561	11,029	\$ 14,747	\$ 178,038	44
North Haven	\$ 3,047,852	5,293,197	61,166,868	570	366,548	4,285,340	13,764	301,572	\$ 1,255,998	\$ 14,969,055	5,044
N. Stonington	\$ 70,294	136,614	1,867,278	31	—	—	2,793	58,495	\$ 31,865	\$ 484,917	99
Norwalk	\$ 4,265,126	15,531,619	185,641,319	2,050	119,253	1,942,080	72,697	1,665,474	\$ 3,038,504	\$ 38,356,798	9,393
Norwich	\$ 692,234	2,648,485	29,846,254	325	281	5,326	—	—	\$ 468,468	\$ 5,173,774	1,347
Old Lyme	\$ 165,539	233,784	3,149,328	35	108	2,160	9,150	187,956	\$ 66,679	\$ 1,066,197	211
Old Saybrook	\$ 471,057	1,578,175	18,846,104	171	3,366	63,377	16,148	320,899	\$ 326,196	\$ 4,202,536	963
Orange	\$ 799,568	1,453,071	10,840,115	174	9,578	163,470	12,946	286,619	\$ 300,021	\$ 2,803,989	933
Oxford	\$ 198,250	376,531	3,997,371	61	3,366	55,980	7,595	167,540	\$ 90,132	\$ 1,201,195	279
Plainfield	\$ 286,267	532,822	6,952,803	54	943	19,125	6,609	135,412	\$ 113,177	\$ 1,593,907	348
Plainville	\$ 724,178	2,063,755	24,538,925	175	20,284	372,574	7,731	162,307	\$ 401,831	\$ 5,006,245	1,252
Plymouth	\$ 238,234	378,368	5,447,880	98	5,461	76,956	7,237	155,138	\$ 91,080	\$ 1,435,523	298

The towns indicated in **green** are Clean Energy Communities. Home Energy Reports behavior benefits not included in this listing. Eversource's C&I Upstream lighting savings are not included.

CONTINUED ON NEXT PAGE

Town	Energy Incentives	Annual kWh Savings	Lifetime kWh Savings	Peak Demand kW	Annual CCF Savings	Lifetime CCF Savings	Annual Gallons (Oil & Propane)	Lifetime Gallons (Oil & Propane)	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Pomfret	\$ 77,233	153,669	1,581,834	19	—	—	3,840	80,572	\$ 37,772	\$ 496,432	117
Portland	\$ 250,674	354,450	4,734,404	43	3,643	53,594	8,308	170,455	\$ 88,410	\$ 1,334,927	295
Preston	\$ 46,344	72,190	953,577	13	32	354	1,500	30,903	\$ 16,930	\$ 250,774	53
Prospect	\$ 345,427	471,542	5,707,274	108	20,386	270,321	8,708	188,953	\$ 123,105	\$ 1,733,649	454
Putnam	\$ 460,702	1,114,981	13,428,197	153	2,197	43,356	3,777	76,716	\$ 209,249	\$ 2,573,415	621
Redding	\$ 335,730	983,477	13,027,540	176	294	5,874	7,248	160,677	\$ 194,116	\$ 2,704,855	578
Ridgefield	\$ 375,920	563,099	7,346,188	89	3,936	90,833	17,394	374,970	\$ 150,612	\$ 2,382,734	501
Rocky Hill	\$ 1,103,784	3,465,624	42,186,757	427	27,175	533,461	4,089	85,077	\$ 644,930	\$ 7,982,609	1,970
Roxbury	\$ 56,649	86,357	1,036,818	14	—	—	3,601	71,473	\$ 25,212	\$ 376,913	77
Salem	\$ 57,036	103,359	1,228,580	13	—	—	2,001	40,636	\$ 23,799	\$ 324,986	72
Salisbury	\$ 76,185	185,786	2,205,877	41	—	—	2,386	51,767	\$ 39,434	\$ 524,988	114
Scotland	\$ 59,869	136,376	1,665,720	22	—	—	478	9,382	\$ 25,431	\$ 314,405	75
Seymour	\$ 2,778,752	8,699,977	111,360,247	1,309	4,042	71,096	13,792	275,087	\$ 1,579,346	\$ 20,105,879	4,591
Sharon	\$ 26,344	54,529	716,607	5	—	—	782	12,232	\$ 11,800	\$ 157,888	36
Shelton	\$ 2,327,156	5,257,008	59,853,352	754	15,564	291,845	21,043	464,765	\$ 999,520	\$ 11,891,060	2,977
Sherman	\$ 114,784	239,421	3,019,897	36	—	—	3,624	79,679	\$ 52,335	\$ 743,041	161
Simsbury	\$ 1,558,281	2,397,282	29,515,695	406	102,467	1,421,018	20,494	434,600	\$ 559,298	\$ 7,486,679	2,055
Somers	\$ 161,011	246,749	3,112,378	23	135	2,702	9,363	198,078	\$ 69,580	\$ 1,088,191	223
South Windsor	\$ 1,067,975	1,185,259	14,740,235	178	235,798	3,444,747	15,673	332,124	\$ 434,336	\$ 6,317,471	2,191
Southbury	\$ 846,400	2,060,087	26,008,750	239	1,591	33,654	18,217	396,562	\$ 415,745	\$ 5,627,442	1,232
Southington	\$ 3,094,217	8,262,287	104,078,747	1,145	145,992	2,466,746	17,303	369,535	\$ 1,620,928	\$ 21,085,767	5,255
Sprague	\$ 30,813	32,357	425,162	4	—	—	2,746	59,313	\$ 13,303	\$ 237,401	44
Stafford	\$ 135,764	173,867	2,084,089	30	120	2,405	7,337	157,710	\$ 51,088	\$ 798,391	170
Stamford	\$ 5,105,105	9,715,997	117,802,165	1,320	167,283	2,587,012	34,260	749,330	\$ 1,941,149	\$ 24,610,690	6,309
Sterling	\$ 49,432	116,642	1,433,965	12	—	—	2,427	52,707	\$ 27,324	\$ 393,887	86
Stonington	\$ 445,331	925,409	11,947,862	96	3,145	61,453	14,672	306,870	\$ 206,541	\$ 2,967,436	645
Stratford	\$ 3,447,369	5,145,561	58,191,582	642	72,336	1,351,931	16,116	368,473	\$ 1,009,913	\$ 12,213,658	3,211
Suffield	\$ 738,661	2,416,241	24,930,852	342	11,025	176,247	8,599	175,362	\$ 459,419	\$ 4,947,886	1,385
Thomaston	\$ 158,367	360,573	4,573,729	56	5,233	80,051	3,011	59,335	\$ 76,090	\$ 1,022,166	246
Thompson	\$ 182,593	112,537	1,325,789	10	—	—	9,927	204,659	\$ 47,304	\$ 794,689	165
Tolland	\$ 458,083	657,228	8,088,779	86	19,913	241,965	14,634	318,768	\$ 171,931	\$ 2,481,107	605
Torrington	\$ 1,433,449	4,569,142	52,160,814	473	49,531	807,390	19,186	366,275	\$ 898,925	\$ 10,712,936	2,828
Trumbull	\$ 2,351,790	2,813,726	31,454,512	425	55,481	902,230	17,327	393,915	\$ 588,015	\$ 7,281,314	1,953
Union	\$ 15,256	39,281	508,824	1	—	—	286	5,362	\$ 7,735	\$ 102,933	23
Vernon	\$ 2,250,121	4,443,021	54,683,691	391	55,396	1,105,190	24,015	512,544	\$ 894,475	\$ 11,799,912	2,854
Voluntown	\$ 12,405	13,322	156,392	2	—	—	590	12,130	\$ 3,984	\$ 60,577	13
Wallingford	\$ 2,366,944	9,249,731	99,598,254	1,440	83,390	842,178	153	2,978	\$ 1,699,967	\$ 17,954,795	5,204
Warren	\$ 12,071	27,392	532,738	1	—	—	437	5,331	\$ 6,048	\$ 106,989	19
Washington	\$ 104,269	251,474	3,150,668	42	—	—	3,512	77,863	\$ 54,158	\$ 760,676	155
Waterbury	\$ 5,074,169	13,669,076	157,315,786	1,899	184,902	3,748,661	33,109	687,678	\$ 2,650,439	\$ 32,244,460	8,421
Waterford	\$ 1,152,223	4,945,408	54,353,390	631	2,734	33,034	8,489	170,994	\$ 899,891	\$ 9,913,429	2,620
Watertown	\$ 1,058,722	3,304,023	42,908,485	540	14,385	210,935	11,500	259,738	\$ 626,977	\$ 8,323,247	1,884
West Hartford	\$ 2,467,270	4,807,315	52,248,191	841	199,104	3,124,191	18,630	382,953	\$ 1,054,635	\$ 12,689,213	3,846
West Haven	\$ 2,203,933	4,912,204	58,555,059	625	36,508	729,475	11,991	268,659	\$ 929,688	\$ 11,486,496	2,845
Westbrook	\$ 316,861	790,619	12,537,541	169	12,281	203,583	7,350	154,762	\$ 169,528	\$ 2,767,083	542
Weston	\$ 233,936	235,569	3,022,711	57	2,719	54,251	15,592	339,849	\$ 86,791	\$ 1,506,702	301
Westport	\$ 836,552	1,508,698	19,662,058	276	30,459	642,550	18,388	392,779	\$ 340,953	\$ 5,021,071	1,142
Wethersfield	\$ 545,025	748,677	8,973,577	92	29,294	564,379	6,432	138,306	\$ 172,676	\$ 2,402,607	628
Willington	\$ 59,485	106,813	1,374,048	14	—	—	2,377	47,780	\$ 25,449	\$ 369,905	80
Wilton	\$ 731,710	1,385,158	17,713,010	230	11,616	168,481	26,122	550,401	\$ 325,961	\$ 4,726,819	1,058
Winchester	\$ 435,773	1,592,550	20,860,580	186	6,268	113,704	5,490	116,929	\$ 301,546	\$ 4,029,883	906
Windham	\$ 1,122,077	2,366,762	23,904,211	272	56,532	1,205,444	7,849	164,548	\$ 483,632	\$ 5,590,960	1,628
Windsor	\$ 2,551,683	4,296,996	46,535,763	477	77,513	1,419,733	63,082	1,409,369	\$ 993,545	\$ 13,124,830	3,349
Windsor Locks	\$ 1,560,386	4,632,539	53,795,588	437	62,541	664,986	7,848	166,936	\$ 888,845	\$ 10,327,991	2,816
Wolcott	\$ 284,585	268,868	3,368,304	38	2,181	39,923	11,866	252,332	\$ 81,977	\$ 1,313,080	264
Woodbridge	\$ 954,410	807,162	10,791,871	159	1,597	34,192	19,198	410,977	\$ 196,941	\$ 3,032,124	628
Woodbury	\$ 141,543	249,909	3,247,180	53	525	11,220	6,693	138,075	\$ 63,068	\$ 952,912	199
Woodstock	\$ 119,292	220,281	2,640,421	22	—	—	5,561	113,407	\$ 54,298	\$ 770,437	170

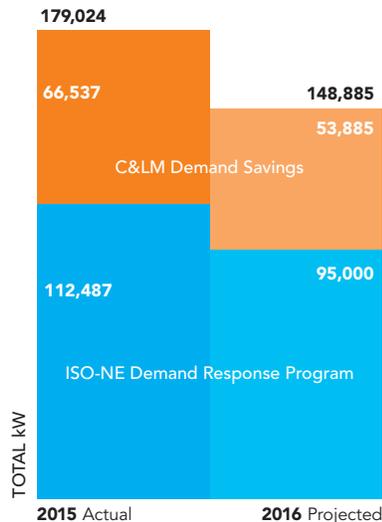
The towns indicated in **green** are Clean Energy Communities. Home Energy Reports behavior benefits not included in this listing. Eversource's C&I Upstream lighting savings are not included.

2015 ACTUAL SPENDING / 2016 BUDGET

Energy Efficiency Programs (Does not include municipal power companies)	2015 Actuals Electric	2016 Plan Electric	2015 Actuals Natural Gas	2016 Plan Natural Gas
RESIDENTIAL				
Residential Retail Products	\$ 17,061,439	\$ 17,074,217	\$ —	\$ —
Residential New Construction	2,801,260	2,911,645	1,780,048	2,549,233
Home Energy Solutions (HVAC, Duct Sealing, Lighting)	22,896,732	24,322,986	9,804,044	13,043,648
HES Income Eligible	20,663,688	21,410,172	11,061,329	11,286,835
Residential Behavior	3,102,485	3,540,257	(37,468)	213,196
Water Heating	—	—	1,453,088	—
Subtotal Residential	\$ 66,525,603	\$ 69,259,277	\$ 24,098,509	\$ 27,092,912
COMMERCIAL & INDUSTRIAL				
Energy Conscious Blueprint	\$ 14,811,300	\$ 17,177,378	\$ 4,727,059	\$ 7,247,983
Energy Opportunities	42,840,040	43,643,897	4,065,969	4,302,114
Business & Energy Sustainability (O&M, RetroCx, BSC)	3,351,053	7,400,015	430,448	1,521,129
PRIME	720,098	—	—	—
Small Business	19,056,308	21,365,883	620,748	777,003
Subtotal C&I	\$ 80,778,798	\$ 89,587,172	\$ 9,844,224	\$ 13,848,229
OTHER—EDUCATION				
Educate the Public	\$ —	\$ 2,280,808	\$ —	\$ 570,201.00
Educate the Students	—	515,295	—	128,823
Educate the Workforce	—	447,078	—	111,768
Energize CT Center – Museum Partnerships	976,530	—	283,311	—
Clean Energy Communities	1,840,707	—	272,340	—
EE Smarts / K-12 Education	822,519	—	236,483	—
Customer Engagement	1,968,000	2,443,000	282,000	582,000
Subtotal Education	\$ 5,607,756	\$ 5,686,181	\$ 1,074,135	\$ 1,392,792
OTHER—PROGRAMS / REQUIREMENTS				
Institute for Sustainable Energy (ECSU)	\$ 496,000	\$ —	\$ 123,999	\$ —
ESPC - Project Manager - Lead By Example	32,610	—	31,609	—
Residential Loan Program (Including ECLF & CHIF)	2,602,251	1,835,681	231,707	517,667
C&I Financing Support	—	3,574,234	—	310,820
C&I Loan Program	364,633	—	22,754	—
C&LM Loan Defaults	180,159	—	27,042	—
C&I Self Funding	4,593,962	—	—	—
Subtotal Programs/Requirements	\$ 8,269,615	\$ 5,409,915	\$ 360,199	\$ 828,487
OTHER—LOAD MANAGEMENT & RD&D				
Research, Development & Demonstration	\$ 186,335	\$ 674,692	\$ 19,154	150,000
ISO Load Response Program and Res. DR Pilot	2,574,236	4,392,000	—	—
Subtotal Load Management and RD&D	\$ 2,760,571	\$ 5,066,692	\$ 19,154	\$ 150,000
OTHER—ADMINISTRATIVE & PLANNING				
Administration	\$ 1,592,262	\$ 1,447,512	\$ 525,908	\$ 361,878
Marketing Plan	1,037,616	972,692	269,453	243,174
Planning and Evaluation	3,291,404	4,160,000	887,449	1,040,001
Evaluation Administrator	232,716	352,000	83,164	87,999
Information Technology	1,346,205	1,788,112	477,414	399,999
Energy Efficiency Board Consultants	464,162	600,180	153,117	150,045
Audits-Financial and Operational	—	122,000	—	30,000
Performance Management Incentive (PMI)	10,021,919	8,251,990	2,271,655	2,041,087
Admin/Planning Expenditures	\$ 17,986,284	\$ 17,694,486	\$ 4,668,160	\$ 4,354,183
PROGRAM SUB-TOTALS				
Residential	\$ 74,608,655	\$ 75,603,690	\$ 25,375,471	\$ 28,714,761
C&I	\$ 89,656,358	\$ 99,703,546	\$ 10,115,441	\$ 14,690,833
Other	\$ 17,663,614	\$ 17,396,486	\$ 4,573,469	\$ 4,261,009
TOTAL C&LM BUDGET	\$ 181,928,627	\$ 192,703,722	\$ 40,141,294	\$ 47,666,603

LOAD MANAGEMENT & PEAK DEMAND

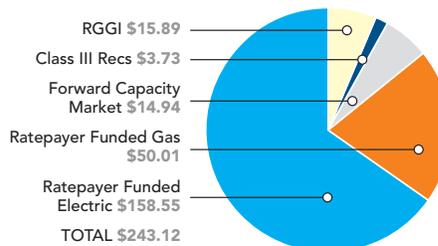
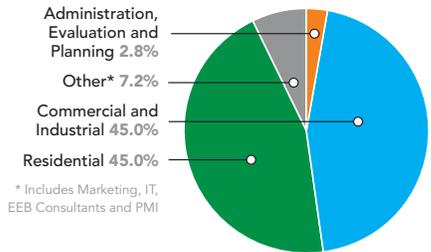
Load management programs reduce peak demand and have direct impact on consumers, as reductions in needed capacity can result in lower electricity prices to the wholesale market (referred to as the Demand-Reduction-Induced Price Effect or DRIPE), and also reduce the federally mandated congestion charges on electric bills.



Peak Demand Savings available from the Energy Efficiency Fund, CMEEC, Town of Wallingford and ISO-New England Programs (in kW)

2015 EFFICIENCY PROGRAM SPENDING

Energy Efficiency Fund programs are administered to maximize the cost-effectiveness and impacts of energy efficiency and load management activities.



2015 EFFICIENCY PROGRAM FUNDING

Funding for energy efficiency programs comes from many sources. Funding reflects 2015 revenues received. (In Millions)

BACKGROUND

The Connecticut Municipal Electric Energy Cooperative (CMEEC), a joint action supply and transmission agency established by the state’s municipal electric utilities, is owned by the Cities of Groton and Norwich, the Borough of Jewett City, South and East Norwalk and the Bozrah Light and Power Company. In addition, CMEEC provided all power requirements to the Mohegan Tribal Utility Authority. Energy use and costs continue to be of critical importance to all Connecticut residents and businesses. In 2015, Municipal Electric Utilities (MEUs) continued their proactive work in partnerships with their municipalities, commercial and industrial businesses, residents and income limited customers. By supporting the energy supply, transmission and distribution needs of all customer sectors, MEUs serve as integrated energy managers helping to reduce and reshape energy use and assisting the entire spectrum of customers to lower energy costs. In 2015, MEUs realized annual savings of 6,754,000 kilowatt-hours. These savings were achieved through the delivery of a full array of energy efficiency programs. In total, over 7,600 customers participated in the programs.

MUNICIPAL ELECTRIC UTILITIES

- Groton Public Utilities
- Norwich Public Utilities
- South Norwalk Electric and Water
- Third Taxing District of Norwalk Electric Utility
- Jewett City Public Utilities
- Bozrah Light and Power



CONSERVATION AND LOAD MANAGEMENT

In 2015, the MEUs provided a fully integrated portfolio of energy efficiency initiatives, including:

- Performing comprehensive energy audits and weatherization of 1,073 homes;
- Distributing nearly 50,000 compact fluorescent and LED lamps, bringing the total to over 1,300,000 since program inception in 2006;
- Promotion/purchase of 50 ENERGY STAR® appliances through the mail-in Appliance Rebate program;
- Participation in the Cool Choice HVAC Rebate program by more than 100 residential and commercial customers;
- Providing energy efficiency assessments and incentives for over 130 commercial and industrial customer projects (e.g., custom equipment replacement, lighting retrofits, etc.);
- Serving more than 7,600 customers in total.

C&LM efforts during 2015 resulted in a 818 kW coincident summer peak demand reduction and 6,754 MWh in annual energy savings, at a cost of about 3 cents per lifetime kWh. MEU commercial and industrial customers received over \$1.3 million in incentives for installing energy efficiency measures in their facilities. Residential customers received over \$345,000 in incentives. These efforts will continue through 2016 and beyond.

2015 CMEEC PROGRAM HIGHLIGHTS

CMEEC ASSISTANCE TO CUSTOMERS

This table details the incentives and rebates provided to MEU residential, commercial and industrial customers in 2015.

ANNUAL EMISSIONS REDUCTIONS	
CO ₂ Emissions Reduced	6,352 Tons
NO _x Emissions Reduced	2.1 Tons
SO _x Emissions Reduced	3.7 Tons

Bozrah Light and Power	\$ 86,000
Groton Utilities	\$ 641,975
Jewett City Department of Public Utilities	\$ 18,036
Norwich Public Utilities	\$ 672,511
Third Taxing District of Norwalk Electric Utility	\$ 218,077
South Norwalk Electric and Water	\$ 161,117
TOTAL ASSISTANCE	\$ 1,797,916

2015 CMEEC SUMMARY

Program	Program Budget 2015	Actual Utility Costs 2015	% of Budget Spent	Proj. Annual Savings (kWh)	Annual Energy Savings (kWh)	% of Annual kWh Saved	Lifetime Savings (kWh)	2015 Proj. kW Impact	Actual kW Impact	% of kW Impact Achieved	Summer Peak kW Demand Reduction
Residential											
Home Energy Savings Program	\$ 808,400	\$ 312,534	39%	2,427,000	674,000	28%	4,448,400	553	450	81%	39
Efficient Products											
Lighting	343,300	177,311	52%	3,325,000	1,116,136	34%	6,871,750	1,381	840	61%	106
Appliances	65,100	40,145	62%	56,000	52,000	93%	780,000	30	24	81%	4
Subtotal — Residential	\$ 1,216,800	\$ 529,991	44%	5,808,000	1,842,136	32%	12,100,150	1,963	1,314	67%	149
Commercial											
Commercial New Construction	\$ 110,000	\$ 36,592	33%	337,000	27,000	8%	351,000	87	7	8%	5
Prescriptive Equipment Replacement	628,000	316,568	50%	1,462,000	1,239,000	85%	18,585,000	336	243	72%	66
C&I Existing Facility Retrofit	1,087,300	1,270,843	117%	3,328,000	3,558,000	107%	46,254,000	860	856	100%	598
Subtotal — Commercial	\$ 1,825,300	\$ 1,624,003	89%	5,127,000	4,824,000	94%	65,190,000	1,283	1,106	86%	669
Renewables	200,000	122,911	61%	80,000	88,000	110%	1,760,000	0	0		0
Total — All Programs	\$ 3,242,100	\$ 2,276,904	70%	11,015,000	6,754,136	61%	79,050,150	3,246	2,420	75%	818

Notes: 1. Data for Limited Income Customers is included under the Home Energy Savings Program.

2015 CMEEC PROGRAM HIGHLIGHTS

 Customers Served 7,630	 Energy Savings (kWh = Electricity) kWh Annual: 6.8 Million kWh Lifetime: 79.1 Million	 Annual Savings \$762.4 Thousand
 MMBTUs Annual: 2.6 Thousand Lifetime: 51.0 Thousand	 Lifetime Savings \$8.6 Million	
 CO₂ Emissions Reduced 6,352 Tons (Annual)	NO_x Emissions Reduced 2.1 Tons (Annual)	SO_x Emissions Reduced 3.7 Tons (Annual)

WALLINGFORD ELECTRIC DIVISION

Wallingford Electric Division



BACKGROUND

The Wallingford Electric Division (WED) is a municipal electric utility (MEU) that serves approximately 25,000 residential, commercial and industrial customers in the town of Wallingford and the Northford section of North Branford. The WED was established and began providing safe, reliable and affordable electric power to its customers in 1899 and has maintained that reputation to this day. The energy efficiency efforts of the WED have helped our customers to lower their energy costs and reduce energy use, as well as positively impacting our natural environment by saving precious natural resources and cutting down on pollution.

PROGRAMS & HIGHLIGHTS

WED continues to offer a comprehensive portfolio of energy efficiency programs. Working with the Connecticut Energy Efficiency Board, the WED has designed programs that provide products and services as well as financial incentives and rebates, enabling all classes of customers to cut their energy usage and save money. These programs include:

- Comprehensive energy audits and weatherization were performed on 759 homes.
- 13 high-efficiency heat pump water heaters were installed and rebates issued.
- 105 residential, commercial and industrial customers participated in the Cool Choice program, with 741 tons of energy efficient HVAC equipment being installed.
- 28,836 LED and CFL bulbs were provided to customers at no cost through the HES program and home delivery through mail-in coupon program. 96,545 LED and CFL bulbs were sold to customers at deeply discounted prices through a cooperative purchase program with five Wallingford stores, the WED's energy efficiency program paying the difference in price.
- 62 incentives were paid to commercial and industrial customers who completed energy efficient projects, including lighting retrofits and custom equipment replacement.

Energy efficiency effort in 2015 resulted in a reduction of 1.43 MW coincident summer peak demand and 9.1 million kWh in annual energy consumption. The WED's commercial and industrial customers received over \$1,075,000 in incentives.



2015 PROGRAM HIGHLIGHTS

2015 WALLINGFORD ELECTRIC DIVISION SUMMARY

Program	Program Budget 2015	Actual Utility Costs 2015	% of Budget Spent	Proj. Annual Savings (kWh)	Annual Energy Savings (kWh)	% of Annual kWh Saved	Lifetime Savings (kWh)	2015 Proj. kW Impact	Actual kW Impact	% of kW Impact Achieved	Summer Peak kW Demand Reduction
Residential											
Home Energy Savings Program	\$ 450,000	\$ 569,658	127%	626,800	596,043	95%	4,426,291	521	495	95%	77
Efficient Products											
Lighting	300,000	314,080	105%	2,520,600	2,753,583	109%	18,719,318	2,381	2,601	109%	416
Appliances	25,000	24,322	97%	26,500	39,206	148%	588,087	9	14	148%	12
Subtotal – Residential	\$ 775,000	\$ 908,060	117%	3,173,900	3,388,831	107%	23,733,696	2,911	3,110	107%	506
Commercial											
Equipment Replacement	\$ 217,500	\$ 142,400	65%	670,400	87,508	13%	1,312,622	347	45	13%	45
C&I Existing Facility Retrofits	1,004,000	1,075,574	107%	4,187,600	5,642,319	135%	73,350,147	723	974	135%	877
Subtotal – Commercial	\$ 1,221,500	\$ 1,217,974	100%	4,858,000	5,729,827	118%	74,662,769	1,070	1,020	95%	922
Renewables	200,000	—	—	—	—	—	—	—	—	—	—
Total — All Programs	\$ 2,196,500	\$ 2,126,034	97%	8,031,900	9,118,658	114%	98,396,465	3,982	4,130	104%	1,428

2015 WALLINGFORD ELECTRIC DIVISION PROGRAM HIGHLIGHTS



Customers Served

16,708



Energy Savings

kWh Annual
9.1 Million

(kWh = Electricity)

kWh Lifetime
98.4 Million



Annual Savings

\$1.1 Million



MMBTUs

Annual
6.0 Thousand

Lifetime

119.5 Thousand



Lifetime Savings

\$11.3 Million



CO₂ Emissions Reduced

12,235 Tons (Annual)

NO_x Emissions Reduced

6.5 Tons (Annual)

SO_x Emissions Reduced

10.0 Tons (Annual)

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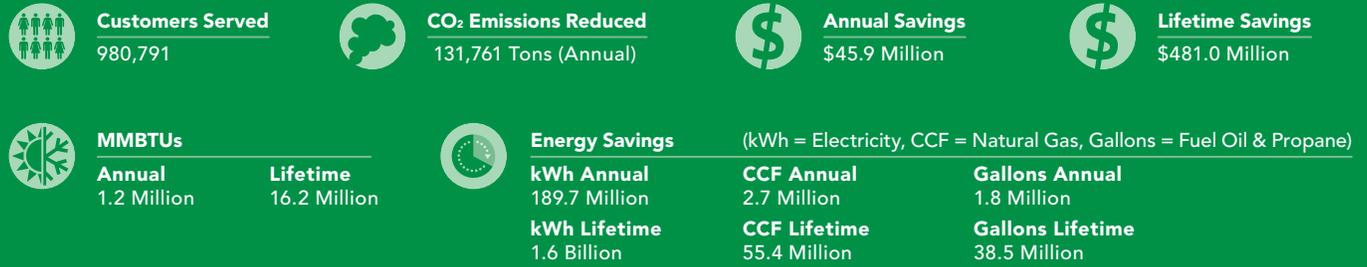


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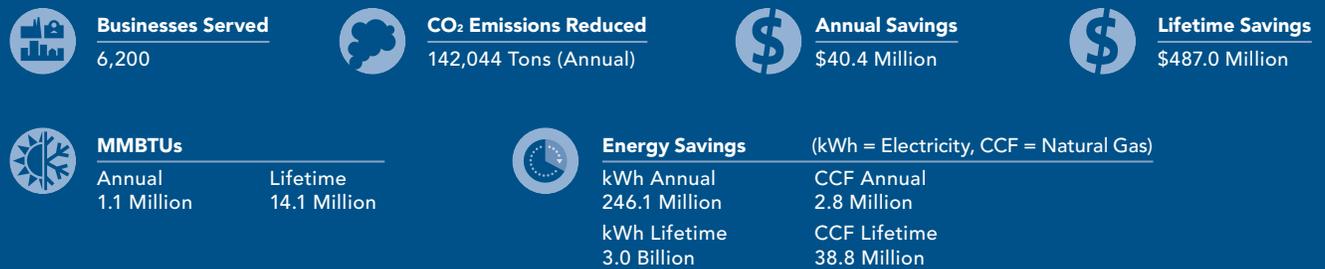
CONNECTICUT ENERGY EFFICIENCY FUND

Activities in 2015 Produced Substantial Economic and Environmental Benefits for Residents, Businesses and Municipalities

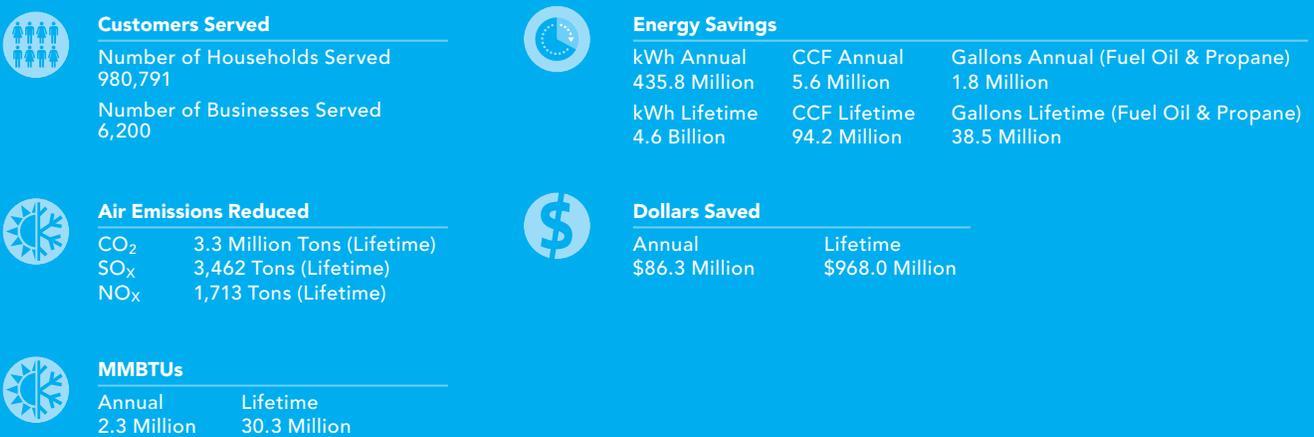
ENERGY EFFICIENCY FUND 2015 RESIDENTIAL PROGRAM SAVINGS



ENERGY EFFICIENCY FUND 2015 COMMERCIAL & INDUSTRIAL PROGRAM SAVINGS



COMBINED 2015 RESIDENTIAL, COMMERCIAL & INDUSTRIAL PROGRAM SAVINGS





Empowering you to make
smart energy choices



The legislation that created the Energy Efficiency Fund and Board is Conn. Gen. Stat. § 16-245m, as amended by P.A. 13-5 § 13 and 13-298 § 16. The legislation that created the conservation and load management fund for municipal electric companies is Conn. Gen. Stat. § 7-233y. More information on these laws can be found at EnergizeCT.com/about/CEEF

Energize Connecticut helps you save money and use clean energy. It is an initiative of the Energy Efficiency Fund, the Connecticut Green Bank, the State, and your local electric and gas utilities with funding from a charge on customer energy bills.

Energy Efficiency Board

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