



Energy Efficiency Board 2016 Programs and Operations Report



Empowering you to make
smart energy choices

MARCH 1, 2017

EXECUTIVE SUMMARY



1,178,981

Residential Projects
and Rebates

“As a result of the work, in the first month we realized a savings of \$50 on our electric bill, over the same period the prior year! That, to us, is huge!”

JOHN M., MANCHESTER
HOME ENERGY SOLUTIONSSM
PARTICIPANT



6,528

Business Projects

“The cost savings from our electrical conservation efforts have been huge. Obviously, the aerospace market is very competitive. So, that cost savings enables two things.

One is it helps us be more competitive and keep jobs here in Connecticut. And, even more importantly, it helps us reinvest and grow the business.”

CRAIG SCOTT, VP AND CFO, AERO GEAR



2,924

Municipal and Board
of Education Buildings
Benchmarked

93% of municipalities are tracking their energy use, allowing them to prioritize energy improvement projects and review the long-term results. This led to a 54% increase in ENERGY STAR[®] certified buildings over 2015.



We are honored to present the 2016 Programs and Operations Report of the Energy Efficiency Board to the Connecticut General Assembly. This report summarizes the substantial progress made in 2016, the first year of the current three-year Conservation and Load Management Plan. Our primary goal remains to best serve the residents, businesses, and municipalities of Connecticut by providing comprehensive energy efficiency services tailored to their unique energy needs.

Most important among those needs is to bring down high energy costs, and the programs continue to find new and better ways to maximize utility bill savings for all customers. We are also making significant strides educating customers on

emerging technologies and behavior strategies, both of which reduce wasteful consumption and help customers better manage their energy use overall.

We are especially proud of the strong local economic benefits delivered by the energy efficiency programs. As these programs have grown, so too have energy efficiency jobs and the home performance industry. Utility bill savings allow residents to focus on other household needs and spend in the local economy. And, businesses that participate in the programs are better able to compete through energy cost reductions that can be reinvested for future growth.

Please go to the Statewide Dashboard at EnergizeCT.com/eeb to learn more about our performance and how Connecticut is staying ahead of the curve as a national leader in energy efficiency.

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

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

ENERGY EFFICIENCY IMPACTS EVERYONE



DELIVERING **JOBS**

According to the U.S. Department of Energy, the design, installation and manufacture of energy efficiency products and services in Connecticut accounts for nearly **34,000*** jobs, with approximately **12,000**** of those jobs generated from the Connecticut Energy Efficiency Fund.



DELIVERING **ECONOMIC DEVELOPMENT**

In 2016, the Energy Efficiency Fund generated a nearly **\$1.4 BILLION INCREASE IN THE GROSS STATE PRODUCT (GSP)****.

Energy efficiency is less expensive than building new generation. Energy efficiency programs are required to be cost-effective. Every **\$1 INVESTED** in energy efficiency generates **\$2.30 IN ENERGY SYSTEM BENEFITS**.

\$37.7 MILLION SAVED BY BUSINESSES IN 2016.

This is savings that enables businesses to invest in growth instead of supporting new energy infrastructure.

\$40.6 MILLION SAVED BY RESIDENTS IN 2016.

This is savings that directly affects household budgets, with the average in-home weatherization service reducing energy costs on average by more than \$200 a year.



DELIVERING **ENVIRONMENTAL BENEFITS**

262,611 TONS OF CO₂ EMISSIONS AVOIDED ANNUALLY.

Water Conservation: The installation of hot water-saving showerheads and faucet aerators included in the Home Energy Solutions program results in an average of 1,000 gallons of water saved per household annually.

THE ENERGY EFFICIENCY FUND

The Energy Efficiency Fund supports an impressive and nationally recognized 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 ConnecticutSM**, and provided by Eversource, The United Illuminating Company, Connecticut Natural Gas and The Southern Connecticut Gas Company.

The Energy Efficiency Board (EEB) is a group of 15 members appointed to represent private and public entities that assist and advise the utilities throughout the year via participation in various committees and as a whole. 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).



* U.S. Energy Employment Report, Department of Energy, 2017

** 2009 Environment Northeast (ENE), "Energy Efficiency in Connecticut: Engine of Economic Growth"

RESIDENTIAL ENERGY SOLUTIONS

2016 HOME ENERGY SOLUTIONS RESULTS



SAVINGS:
Annual: **\$8.8 Million**
Lifetime: **\$139.5 Million**



52,878



CO₂ Emissions Reduced:
31,183 Tons (Annual)

2016 HOME ENERGY SOLUTIONS—INCOME ELIGIBLE RESULTS



SAVINGS:
Annual: **\$6.4 Million**
Lifetime: **\$102.6 Million**



Projects and Rebates:
21,328



CO₂ Emissions Reduced:
23,277 Tons (Annual)

HOME ENERGY SOLUTIONSSM (HES)

DELIVERING VALUE

Home Energy Solutions includes services for every household, at every income level, to address every type of energy efficiency improvement...

...from insulation, to water heating, to home heating and cooling. Together, these home improvement services provide true value—energy savings, increased comfort, safety—a home that performs better and leaves a smaller carbon footprint.

Services Valued at an Average of \$1,000 Per Home

- Air leak diagnostics
- Professional caulking and weatherstripping
- HVAC safety testing
- Hot water pipe insulation
- Faucet aerators and low-flow showerheads
- LED lighting
- U.S. Department of Energy Home Energy Score
- Access to rebates and instant discounts for home heating, cooling and water heating equipment, insulation, WI-FI thermostats, ENERGY STAR® refrigerators, dehumidifiers, windows, dryers (Income-eligible participants receive additional services).

BUILDING AN INDUSTRY

The number of contractors who met stringent criteria and are authorized to deliver HES weatherization services grew from 19 to 41 in 2016. Aiello Home Services is a great example.

41



“The Home Energy Solutions program (including Income-Eligible and Multifamily) has helped Aiello and its customers a great deal. At Aiello, we have always strived for greatness among our trades; plumbing, HVAC, electrical and others, but it had been a challenge to tie them all together until the adoption of the whole home approach. Now, thanks to Energize CT, we are not just looking at the HVAC, plumbing or electrical systems, we are now looking at the entire home as a complete unit. This new approach has allowed us to grow as a company, add employees within each trade and to create a new Home Energy Solutions Department. This has also enhanced our customer relationships due to the fact that we can now offer solutions for all their home needs at one time.”

TIMOTHY FABUIEN,
HOME ENERGY MANAGER, AIELLO HOME SERVICES, INC.

SUCCESS STORIES



“Those with electric heat have noticed their bills are lower and their apartments are warmer.”

“As a landlord, my tenants have had nothing but good things to say about their apartments

after the work was done. (Measures included energy-efficient insulation and window replacement.) Those with electric heat have noticed their bills are lower and their apartments are warmer compared to this time last year.”

DAVID S., WATERBURY (HES-IE)

ESTIMATED ANNUAL SAVINGS: **\$1,668**

AGE OF HOME: **113 Years**

HEAT SOURCE: **Electric**

“The services in this program will help our family make ends meet and make our home more comfortable.”

“When you see some of these programs advertised, you don’t know if they’re scam or not. We heard of the program from a family member and decided to call the number to sign up. At the time of the service, the technicians explained everything so it was easy to understand – how it would save us money and make our home warm.” Neida’s home received a combination of CFLs and LED energy-efficient lighting upgrades, pipe wrap, faucet aerators, and water saving showerheads. Additionally the home’s heating system was inspected for safety and efficiency.

“It was very reassuring to know that our home was safe; that was something we did not realize was going to be checked. We’re saving about \$180 a year from the initial service and now we’re looking forward to the wall insulation for even more savings.”

NEIDA O., BRIDGEPORT

ESTIMATED ANNUAL SAVINGS: **\$180**

AGE OF HOME: **50 Years**

HEAT SOURCE: **Gas**



“The technicians that visited my home were upfront and honest, explaining everything they were doing.”

“Since the completion of my HES assessment, I feel my house is now much more comfortable,” said Donna, after HES technicians sealed several critical air leaks around her dryer vent and cellar door. “Upon his arrival back from work on the day of the assessment, my son pointed out immediately that our home felt more comfortable as well. I highly recommend working through the Energize Connecticut program and its authorized contractors. The technicians that visited my home were upfront and honest explaining everything they were doing and what impact it would have on my home.”

DONNA H., WEST HAVEN

ESTIMATED ANNUAL SAVINGS: **\$230**

AGE OF HOME: **80 Years**

HEAT SOURCE: **Oil**

“Our recessed lighting was the source of great energy loss—air was just rushing in through the canisters.”

“We scheduled our energy audit in preparation for going solar. The team added foam insulation to numerous areas, added weatherstripping, replaced sink and shower aerators for greater water efficiency, and replaced lighting with LED bulbs. They were here, very busy, for over five hours! I want to highlight one key activity that thoroughly impressed me. When the “blower” test was done, I was shown that our recessed lighting was the source of great energy loss — air was just rushing in through the canisters. It was like an open window! They replaced the lighting in every canister with LED lighting, and sealed the canisters to prevent heat loss. Following this work, the blower test was done again. I was in amazement as there was not even a slight draft coming from those canisters! Wow!! As a result of the work, in the first month we realized a savings of \$50 on our electric bill, over the same time period the prior year! That, to us, is HUGE!”

JOHN M, MANCHESTER

ESTIMATED ANNUAL SAVINGS: **\$574**

AGE OF HOME: **25 Years**

HEAT SOURCE: **Electricity**



MULTIFAMILY RETROFITS

DELIVERING VALUE FOR OWNERS AND TENANTS

Seventeen percent of all housing units in Connecticut are within multifamily buildings of five or more units. In the last two years, the Multifamily Initiative has provided energy retrofit services to more than seven percent of those units—a significant achievement in a short time.

Providing comprehensive energy solutions for market-rate and income-eligible buildings of five or more units (including public housing authorities), the savings generated improve property values, enable property owners (including municipalities) to invest elsewhere in the property, and improve tenant comfort and retention.



“An incentive for a large boiler replacement project was a major factor in the decision to not implement a base rent increase.”

“The Enfield Housing Authority’s housing developments are part of the State of CT’s financed programs and receive no ongoing capital subsidies. The incentives from the Energy Efficiency Fund have allowed us to greatly increase our energy efficiency efforts by bringing a significant savings to the EHA and our low income residents. More recently, an incentive for a large boiler replacement project was a major factor in the decision to not implement a base rent increase at our moderate rental properties. We are continuing to work with Eversource on several other potential measures as part of two large renovation projects that will likely allow us to leverage the funds in place to make additional upgrades.”

**SCOTT C. BERTRAND, EXECUTIVE DIRECTOR
LAUREL PARK, ENFIELD HOUSING AUTHORITY**

NUMBER OF UNITS: **86**

ESTIMATED ANNUAL SAVINGS: **\$24,276**

SAVINGS PER UNIT: **\$282**

EFFICIENT UPGRADES INCLUDED

- Gas boilers with efficient pump motors
- LED light bulbs
- Insulation
- Air sealing
- Water savings

STREAMLINED FINANCING SOLUTIONS

Continuous process improvement and coordination efforts with the CT Green Bank, CT Housing Finance Authority and the Department of Housing allows property owners to forecast budgets and secure financing earlier in the planning stage of a project.



“Participating has provided an opportunity to create a more affordable, comfortable living environment for my tenants.”



“This is an all-electric building where the tenants like its location, space and unit design with the major complaint being their high electric bills. The residents are very hard-working, but the reality is that their utility bills account for a large percentage of their total monthly expenses. Any cost savings represents a significant positive change in their quality of life. When the residents learned I was working with UI to help reduce their electric bills, they were very excited at the prospect of redirecting money spent on utility bills to things they find more valuable. Equally as important was the prospect of being more comfortable throughout the year—warmer in the winter and cooler in the summer with fantastic new heat pump systems. Participating in the Energize Connecticut initiative has provided an opportunity to create a more affordable, comfortable living environment for my tenants.”

**NICK MASTRANGELO
330 BLAKE STREET APARTMENTS, NEW HAVEN**

NUMBER OF UNITS: **13**

ESTIMATED ANNUAL SAVINGS: **\$17,568**

SAVINGS PER UNIT: **\$1,351**

EFFICIENT UPGRADES INCLUDED

- Ducted heat pumps for both heating and cooling
- ENERGY STAR® window replacements
- Basement insulation
- LED light bulbs
- Air sealing
- Water savings

RESIDENTIAL NEW CONSTRUCTION

DELIVERING VALUE

Customers building a home or undergoing a significant rehabilitation project have an opportunity to minimize energy costs and maximize comfort over the life of their home. Builders and homeowners alike can unlock financial and technical resources to construct a high-performance home without the premium cost.

The Residential New Construction program is prepared to train the industry on the newly adopted International Energy Conservation Code through seminars and partnerships with key organizations such as the American Institute of Architects, the Home Builders and Remodelers Association, the Connecticut Green Building Council, and others. Initiatives aimed at evaluating code compliance and deficiencies in current building code standards, and incentives for blower door and duct blaster testing under the new building efficiency standards are being developed.

RENEWABLE READY

In 2016, a "PV-Ready checklist" was developed to ensure that all newly constructed homes participating in the Energize CT Residential New Construction program meet certain site, structural and safety considerations for PV installation, at the time of construction or in the future.

ENERGIZE CT ZERO ENERGY CHALLENGE

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 Residential New Construction program.



**2016 WINNER:
LOWEST HERS INDEX
BEFORE RENEWABLES**
LEHTO DESIGN/BUILD –
ALEXANDER RESIDENCE

"As a company, we looked at the long-term trend of rising energy prices and growing environmental concerns and

decided to focus exclusively on building net zero homes. We have been doing it for a number of years, and we feel like we can offer our customers their dream home in a package that is not only sustainable for the future, but also affordable today."

NICK LEHTO, LEHTO DESIGN/BUILD, LLC

2016 RESIDENTIAL NEW CONSTRUCTION RESULTS



SAVINGS:
Annual: **\$0.98 Million**
Lifetime: **\$20.2 Million**



Projects:
1,474



CO₂ Emissions Reduced:
3,337 Tons (Annual)

"A sustainable, green residential community that is affordable to live in..."

In 2007, the Warner Gardens Co-Op Apartments (now renamed Davis Gardens) in Waterbury was seriously debilitated and facing bankruptcy to prevent a foreclosure sale. Lawrence Brown of Omni Development has since acquired the property and, working with the Energize CT program, is rebuilding Davis Gardens as "a sustainable, green residential community that is affordable to live in for low-to-moderate income families and the elderly."

**LAWRENCE BROWN, OMNI
DEVELOPMENT CORPORATION,
DAVIS GARDENS**

NUMBER OF UNITS: **58**
ESTIMATED ANNUAL SAVINGS: **\$47,000**
ESTIMATED SAVINGS PER UNIT: **\$810**

EFFICIENT FEATURES INCLUDED

- R-45 insulation
- High performance natural gas furnaces and tankless on-demand water heaters
- High performance central air conditioning
- Comprehensive water management system to protect roofs, walls, and foundations



BEFORE



AFTER

RETAIL LIGHTING, HEATING, COOLING, WATER HEATERS, APPLIANCES

In anticipation of new ENERGY STAR® lighting specifications, the promotion of compact fluorescent light bulbs began to wind down and opportunities to enhance the promotion and distribution of LEDs increased.

As 2016 came to a close, programs that featured lighting were poised to make LEDs the sole lighting technology.



EFFICIENT PRODUCT FINDER

The Efficient Product Finder offers simple, online rebate redemption for appliances and is a resource for customers to research appliances and electronics. Rebates redeemed through the tool nearly doubled since program inception in 2015.

INSTANT DISCOUNTS

Offering incentives for high efficiency heating and water heating equipment at the distributor level reduces the incremental cost to the customer by making the price comparable to standard equipment. Through continuous promotion to both distributors and contractors, the inventory of high efficiency models is more readily available for purchase.

“It has greatly benefited our company and the industry because we have all grown our business...”

“The program has allowed us the opportunity to sell high efficiency equipment because the price-point is more in line with other less efficient options. In addition, our knowledge of the program helps solidify our customer relationships because they know we understand the program and have strong relationships with the utility administrators. It has greatly benefited our company and the industry because we have all grown our business as a result of more homeowners taking advantage of the lower price of energy-efficient equipment, which allows them to save money on their heating bills.”

**JEN RYAN, OPERATIONS, SALES & MARKETING
SHELTON WINNELSON, A WINSUPPLY COMPANY**

DISTRIBUTOR AND RETAIL PARTNERSHIPS

502 LIGHTING RETAIL LOCATIONS

3,092,408 LEDs SOLD
43% INCREASE FROM 2015
1,257,381 CFLs SOLD
27% DECREASE FROM 2015

Shifted away from CFLs in 2016

133 RETAIL HVAC AND WATER HEATING EQUIPMENT LOCATIONS

124 HVAC AND WATER HEATING EQUIPMENT DISTRIBUTOR BRANCHES

HVAC AND WATER HEATING UNITS SOLD

26,043 HVAC UNITS
3,533 WATER HEATERS

SPECIAL PRICING ON SELECT ENERGY STAR® ELECTRIC HEAT PUMP WATER HEATERS

\$600 INSTANT DISCOUNT
PRICE OF PARTICIPATING MODELS REFLECTS ENERGIZE CONNECTICUT INSTANT DISCOUNT

ASK OUR SALES AND SERVICE TEAM FOR DETAILS.

For more information call 1-877 WISE USE (877-947-3873) Or visit EnergizeCT.com

ENERGY STAR® Natural Gas Water Heater

BIG SAVINGS NATURALLY!

\$300 INSTANT DISCOUNT
PRICE OF PARTICIPATING MODELS REFLECTS ENERGIZE CONNECTICUT INSTANT DISCOUNT*

ASK OUR SALES AND SERVICE TEAM FOR DETAILS.

For more information call 1-877 WISE USE (877-947-3873) Or visit EnergizeCT.com

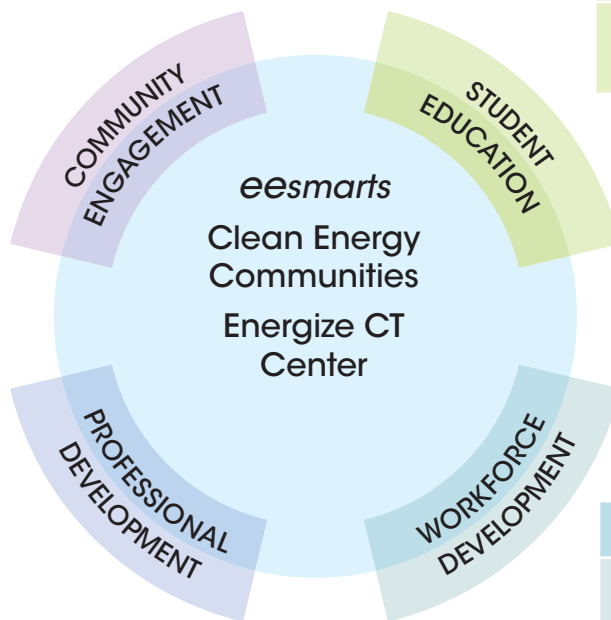
Pictured are 2017 Point of Purchase examples

EDUCATE, ENGAGE, EMPOWER

In all stages of life, Connecticut's residents are afforded the opportunity to learn about and engage with Energize Connecticut energy solutions.

Formal education begins with the **eesmarts**TM program as early as kindergarten and extends through adulthood into community engagement initiatives through the Clean Energy Communities program. Partnering with municipalities, schools and universities, organizations and associations across the state and the nation, innovative programs and initiatives are made available to everyone who lives and works in Connecticut. In 2016, workforce development continued to be an elevated priority and a means to assist the state in meeting the demand of skilled workers in the green jobs industry.

COMMUNITY ENGAGEMENT
Community workshops and presentations
41 school and municipal buildings earned the ENERGY STAR®
Energize CT Center tours and events
Change the World tour events to reach distressed communities and hard to reach customers
Over 30 participants in "Houses of Worship Go Green" initiative in New Haven, Bridgeport and Hartford communities
Light bulb exchanges



PROFESSIONAL DEVELOPMENT
24 regional professional development workshops for over 300 educators from 157 schools and 77 educational agencies

STUDENT EDUCATION
More than 4,800 students received eesmarts services including lessons, energy challenges and outreach events
Over 1,200 participants in the 2016 eesmarts Student Contest
Energize Connecticut Center tours and activities presented to 7,382 students
Partnerships with Scouts of America, the Connecticut Science and Engineering Fair, University of New Haven, Invention Convention, and Girls of Innovation
Museum exhibit opened at The Discovery Museum

WORKFORCE DEVELOPMENT
452 students participated in the Green Sustainable Technical Education Program (Green S.T.E.P.) in partnership with the Connecticut Technical High School System and CBIA Education and Workforce Partnership
E-House Initiative
30 CT Technical High School Students BPI Certified
Energy Management Degree support at Tunxis Community College

REDUCING ENERGY USE FOR MUNICIPALITIES

The Clean Energy Communities program serves as a link between the community and the Energize Connecticut solutions available to facilitate the reduction in municipal energy usage.

In 2016, that link was made evident through a benchmarking initiative for municipal and board of education buildings. To date, 157 Connecticut municipalities have established accounts in ENERGY STAR® Portfolio Manager. The energy performance of 2,924 Connecticut municipal and board of education buildings is being tracked. The effort allows municipalities to prioritize energy improvement projects based on building performance and then track the project's effectiveness.

As of 2016, six of the clean energy communities have achieved the goal of 20% energy reduction in their municipal and board of education buildings. A number of municipalities are going above and beyond that goal and are attaining ENERGY STAR certification. In 2016, 55 buildings were identified as eligible for certification and 31 buildings have completed the certification process. An additional 85 buildings are being evaluated for ENERGY STAR certification eligibility.



State Representatives Doug Dubitsky and Jonathan Steinberg with Eversource representatives at the Council of Small Town's Connecticut Town Meeting.



Dr. Amy Thompson, Paguridae LLC; Linda Darveau, Environmental Protection Agency; Sheri Borrelli UI; Robert Klee, commissioner, Department of Energy and Environmental Protection; Patrick McDonnell, UI at ENERGY STAR presentation.



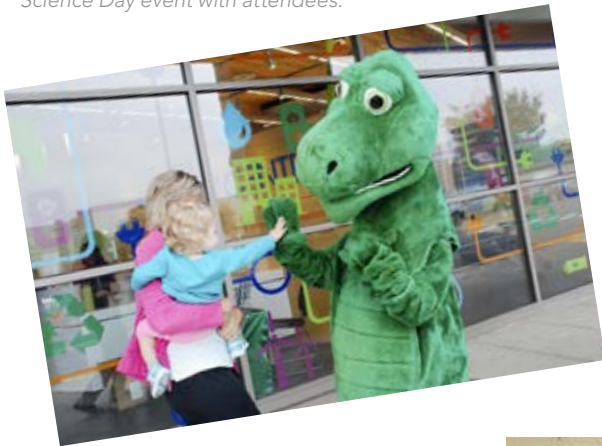
Kim Rose, state rep., Connecticut 118th Assembly District; Linda Darveau, Environmental Protection Agency New England; Benjamin Blake, mayor, City of Milford; Donna Wells, UI at Milford ENERGY STAR presentation.

COMMUNITY AND EDUCATION ENERGY SOLUTIONS

In 2016, energy tracking became even easier for towns and cities thanks to a concierge web service designed to automate energy data upload from electric and gas utility accounts to ENERGY STAR® Portfolio Manager.

This enhancement reduces barriers to assess building performance, improves current operation and technology, and tracks the effectiveness of energy efficiency improvements, empowering communities to strive toward becoming more sustainable with ENERGY STAR certified buildings, a low energy appetite, and reduced greenhouse gas emissions.

Effy the Efficient dinosaur at Energize Connecticut Center Family Science Day event with attendees.



Woodbridge Town officials including Ellen Scaletta, first selectman, Town of Woodbridge; members of New England Conservation Services. Representatives of UI and members of New England Smart Energy present check to Woodbridge.



Tom Vos, Discovery Museum Board Chair; other Discovery Board members; Joseph Gresko, State Representative, Stratford; Representatives from UI and Eversource open new energy efficiency exhibit at the museum.



Representatives of UI; Connecticut Food Bank; IRIS delivering bulbs and energy efficiency outreach information to critical customers.



Pat McDonnell, UI & Commissioner Robert Klee of DEEP receiving EPA Environmental Merritt Award in Boston.



Energize Connecticut Center staff engaging North Branford seniors in a round of Energy Jeopardy.

CHANGING THE WORLD — ONE COMMUNITY AT A TIME

In 2016, many communities used Bright Idea Grants earned through the Clean Energy Communities program to fund light bulb exchanges.

Throughout the year, 38 light bulb exchange events were held across the state resulting in over 84,000 bulbs exchanged for LEDs by more than 18,000 households. The highlight of these light bulb exchanges was the ENERGY STAR® Change the World Tour in October.

The month began at the Energize Connecticut Center's Family Science Day and went on to include 16 light bulb exchange events focused on bringing LEDs to customers in hard to reach areas. Through partnerships with retail outlets, manufacturers and non-profit organizations, Change the World Tour efforts resulted in the donation of LED bulbs to Habitat for Humanity and 383 pounds of non-perishable goods and \$1,055 in donations to the Connecticut Food Bank.



West Haven scouts receiving patch for Energy Challenge.

Robotics demonstration at Energize Connecticut Center.



Hartford Mayor Luke Bronin with Sara Bronin and Eversource representatives at the Hartford Light Bulb Swap.



Family Science Day demonstration at Energize Connecticut Center.



UI outreach team with First Selectman Freda at North Haven bulb exchange.



Representatives Livvy Floren and Mike Bocchino with First Selectman Peter Tesei at the Greenwich Light Bulb Swap.



State Representative Lonnie Reed helps pass the torch for the ENERGY STAR Change the World Tour at the Energize Connecticut Center with Eversource and UI team.



Eversource & UI teams hosting Holiday Lighting Exchange at Energize Connecticut Center.

SMALL BUSINESS ENERGY ADVANTAGE

The small business program continues to provide comprehensive energy- and cost-savings via a turnkey solution for customers who typically do not have in-house energy management resources. In 2016, the program administrators identified restaurants, manufacturers, warehouses, grocers and medical offices as focus segments and began to analyze their particular energy consumption, barriers and motivations for participating in the program.

DELIVERING JOBS

As the Small Business Energy Advantage program has evolved to include more savings opportunities for heating, cooling, controls, and various specialty equipment, the authorized contractors who provide these services, along with their suppliers and subcontractors, have increased and prospered as well.

"In 2016 JK Energy Solutions installed over \$10 million in building upgrades in Connecticut. These projects were made possible by the various Energize CT programs. Along with the growing staff at JK Energy Solutions, local Connecticut distributors and subcontract partners are growing their businesses to support the work we do through the Energize CT programs. These programs not only benefit the Connecticut institutions that improve their facility efficiency, they also drive business growth and job creation for companies like JK Energy Solutions and our partners "

RICH CARDITA
PRINCIPAL, JK ENERGY SOLUTIONS



"Making the change was seamless, which is important. There was no disruption to the business."

"We always try to be energy-efficient and environmentally friendly, and I love that these updates save us energy and money."

JOSE CUAPIO, OWNER
GRAND FISH MARKET, NEW HAVEN
ESTIMATED ANNUAL SAVINGS: **\$3,400**

2016 SMALL BUSINESS ENERGY ADVANTAGE PROGRAM RESULTS



SAVINGS:
Annual: **\$6.0 Million**
Lifetime: **\$75.0 Million**



Projects:
1,800



CO₂ Emissions Reduced:
20,640 Tons (Annual)

"We were able to create a modern, more comfortable office space without affecting our budget and cash flow."

"The overall feel of our office is important for the work we do, for both our clients and their families, and our employees. We are also excited to see how the year-after-year energy savings will help from an operational perspective—the money we'll be saving annually is equivalent to sending six of our kids to camp for the summer."

ANDREA BARTON REEVES, PRESIDENT AND CEO
HARC, HARTFORD

ESTIMATED ANNUAL SAVINGS: **\$33,000**

EFFICIENT FEATURES INCLUDED

- Natural gas boiler
- HVAC equipment
- Indoor and outdoor LED lighting
- Building management system
- Rooftop solar panels



EFFICIENT FEATURES INCLUDED

- Interior LED lighting
- Dairy and produce case fans and curtains

EXISTING BUILDINGS (MID- AND LARGE-SIZED CUSTOMERS)

DELIVERING A COMPETITIVE ADVANTAGE

Just as the utility administrators have changed their focus from narrow program offerings to comprehensive, custom solutions, businesses have also broadened their vision. They are interested in improving their *overall functionality* in addition to saving energy—lighting upgrades that improve their employee and customer experience; process equipment that reduces throughput as well as energy consumption; HVAC improvements that save energy and produce a cleaner, more controlled environment suited to high-tech labs or facilities where dust and temperature tolerances are critical. Facility managers and owners are focusing on improvements that align with their overall vision of where their organization needs to be—and energy is an integral component.

In 2016, efficiency solutions for mid- and large-sized customers continued to evolve with the implementation of energy usage assessments, a strong focus on building management systems, and customized offerings tailored to high priority segments within the manufacturing and commercial sectors.

“The cost savings from our idle-load study and energy efficiency efforts have been huge. Over the life of the equipment, we’re talking hundreds of thousands of dollars. It helps us be more competitive and keeps jobs here in Connecticut.”

“We make gears and gearboxes for the aerospace industry, and we have a lot of very energy intensive processes. Through Energize Connecticut, we did an assessment so we could see just what were the big users of energy in our shop, like lighting and compressed air. Compressed air is a huge component in our cost structure. It’s a big part of my job to control that cost through energy-efficient projects like the one we just completed.”

**CRAIG SCOTT, VP AND CFO
AERO GEAR, WINDSOR**

ESTIMATED ANNUAL SAVINGS: **\$62,000**

EFFICIENT UPGRADES INCLUDED

- Idle load management
- Compressed air system
- LED lighting

2016 EXISTING BUILDINGS RESULTS



SAVINGS:
Annual: **\$24.5 Million**
Lifetime: **\$274.0 Million**



Projects and Rebates:
3,418



CO₂ Emissions Reduced:
92,817 Tons (Annual)



“The (LEAN manufacturing) training encouraged our employees to think of new, cost-effective ways to approach our day-to-day operations and improve our production...”

“...while the equipment enhancements helped make the overall process seamless. We are always looking for ways to stay cost-competitive and reduce our operating costs without sacrificing our high production values. We were able to cut our overall annual energy usage by 18 percent, which is tremendous.”



**KATHRYN CONLON, CHIEF FINANCIAL OFFICER
COLUMBIA MANUFACTURING, COLUMBIA**

ESTIMATED ANNUAL SAVINGS: **\$31,000**

EFFICIENT UPGRADES INCLUDED

- LEAN manufacturing training
- Variable frequency drive controls on motors for cooling and dry towers
- Efficient motors on process equipment
- High efficiency lighting

“We all notice a major improvement in the quality of light, and our teachers especially appreciate the dimming control for classroom lighting.”

“Both buildings are about 30-years old and had poor quality of light. We hadn’t used the commercial and industrial efficiency programs before, but they made it possible for us to make these changes and achieve energy and cost savings for the future. It was a smooth process; installations were done when parts of the building weren’t occupied.”

**RAYMOND BALDWIN, CEO
ST. VINCENT’S SPECIAL NEEDS SERVICES, TRUMBULL**

ESTIMATED ANNUAL SAVINGS: **\$48,000**

EFFICIENT UPGRADES INCLUDED

- Interior and exterior LED lighting
- Lighting controls



Photo courtesy of Trumbull Times

“The (new) LED lights are brilliantly efficient. We always worried that our firefighters on the floor of the apparatus bay couldn’t see, now it’s like a stadium out there. The guys love it.”

“What we had was roof-mounted AC units and radiators that provided the heating. We disconnected those units on the second floor and got rid of the boiler. What we have now is a split unit that’s fed by natural gas that reduces costs because it uses fresh air to cool. In the apparatus room, we still have radiators ... but it only feeds natural gas on demand; it’s not running constantly like it was before.”

**PAUL KURTZ, DISTRICT COMMISSIONER
TRUMBULL CENTER FIRE DISTRICT**

ESTIMATED ANNUAL SAVINGS: **\$7,110**

EFFICIENT UPGRADES INCLUDED

- Interior and exterior LED lighting
- Lighting controls
- HVAC equipment and controls



NEW CONSTRUCTION/EQUIPMENT

DELIVERING A MODERN, SUSTAINABLE APPROACH TO NEW CONSTRUCTION IN CONNECTICUT

Just as the utility administrators have changed their focus from narrow program offerings to comprehensive, custom solutions, customers making large capital investments have broadened their criteria. Energy efficient new construction and new equipment offers a competitive advantage that goes beyond reducing costs, to encompass a host of non-energy benefits such as creating an environment that appeals to a modern workforce, meeting corporate sustainability goals, attracting tenants, and investing in process equipment that is more reliable, as well as cost-effective.



“The quality of the lighting is amazing; it doesn’t feel like we’re indoors. Our goal for the project was to save money, but overall the environment is more visually pleasing and comfortable. Employees and parents have commented on the difference.”

RAJAT GUPTA, OWNER
BRIGHT BEGINNING FAIRFIELD, LLC, FAIRFIELD

ESTIMATED ANNUAL SAVINGS **\$7,025**

EFFICIENT UPGRADES INCLUDED

- Interior LED lighting
- Exterior LED lighting
- High efficiency HVAC system

2016 NEW CONSTRUCTION / EQUIPMENT RESULTS



SAVINGS:
 Annual: **\$7.1 Million**
 Lifetime: **\$108.8 Million**



Projects:
1,310



CO₂ Emissions Reduced:
29,607 Tons (Annual)

“We are confident that we will be able to sustain a comfortable and safe patient environment in the most efficient and cost effective manner.”

“The Bone and Joint Institute will provide world class orthopedic care to our patients, in an environment which was designed and built to be efficiently maintained. Through our energy initiatives and the efficiency of our building infrastructure, and thanks to the Energize CT programs in which we have participated with Eversource’s leadership and support, we are confident that we will be able to sustain a comfortable and safe patient environment in the most efficient and cost effective manner.”



BARRY KRIESBERG, FACHE, VICE PRESIDENT—OPERATIONS
HARTFORD HOSPITAL—
HARTFORD REGION OF HARTFORD HEALTHCARE

ESTIMATED ANNUAL SAVINGS: **\$122,544**

EFFICIENT FEATURES INCLUDE

- Interior and exterior lighting
- Lighting controls
- High efficiency air cooled and process chillers
- Economizer
- Variable frequency drives

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.



AVOIDED LIFETIME EMISSIONS OF **3,349,977** TONS



EQUIVALENT TO REMOVING **805,283** CARS OFF THE ROAD

AIR EMISSIONS	ESTIMATED ANNUAL SAVINGS 2016			ESTIMATED LIFETIME SAVINGS 2016		
	ELECTRIC	NATURAL GAS	FUEL OIL & PROPANE	ELECTRIC	NATURAL GAS	FUEL OIL & PROPANE
SO_x TONS	79	—	93	912	3	2,001
NO_x TONS	67	33	13	774	493	289
CO₂ TONS	204,665	41,693	16,253	2,368,644	631,952	349,381



Photos courtesy of DEEP

DEMONSTRATING ECONOMIC BENEFITS THROUGHOUT CONNECTICUT

This list includes energy efficiency and conservation benefits provided to residential, commercial and industrial customers of Eversource, UI, CNG, SCG, 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	\$ 49,356	85,986	1,112,677	14	62	1,248	2,261	47,263	\$ 19,001	\$ 288,415	51
Ansonia	\$ 1,001,065	2,376,707	31,869,060	296	31,583	645,686	5,626	126,464	\$ 409,768	\$ 5,782,617	1,406
Ashford	\$ 97,869	153,208	2,065,608	9	0	0	2,036	41,398	\$ 28,957	\$ 421,531	90
Avon	\$ 555,412	1,250,343	14,519,216	183	18,236	379,334	6,171	130,774	\$ 224,528	\$ 2,879,603	743
Barkhamsted	\$ 51,028	74,709	889,405	12	99	1,987	2,102	40,576	\$ 16,873	\$ 238,094	45
Beacon Falls	\$ 113,176	293,361	3,792,976	26	170	3,248	1,941	39,802	\$ 50,842	\$ 689,092	172
Berlin	\$ 1,910,423	6,612,406	83,731,308	786	105,266	1,676,359	7,137	155,885	\$ 1,132,297	\$ 14,750,491	3,918
Bethany	\$ 121,835	286,664	3,841,341	51	0	0	2,383	48,868	\$ 50,734	\$ 715,932	168
Bethel	\$ 426,476	1,199,853	15,644,422	263	9,887	171,854	4,823	102,695	\$ 207,192	\$ 2,820,577	708
Bethlehem	\$ 49,676	68,637	947,033	8	0	0	1,850	36,827	\$ 15,239	\$ 236,408	41
Bloomfield	\$ 2,650,683	5,291,230	57,792,830	748	107,887	1,944,228	37,097	812,409	\$ 999,353	\$ 12,515,691	3,167
Bolton	\$ 113,007	187,148	2,421,816	37	109	2,170	5,902	127,070	\$ 43,704	\$ 685,815	113
Bozrah	\$ 21,095	63,585	773,123	7	0	0	-	-	\$ 9,976	\$ 120,314	37
Branford	\$ 739,344	1,747,011	22,270,337	209	26,277	528,254	5,902	125,483	\$ 307,729	\$ 4,192,381	1,037
Bridgeport	\$ 4,362,527	9,563,199	116,497,489	1,257	220,990	4,054,649	46,851	1,064,689	\$ 1,776,563	\$ 23,952,350	5,728
Bridgewater	\$ 7,152	8,955	110,638	1	0	0	298	5,770	\$ 2,125	\$ 31,166	5
Bristol	\$ 2,316,730	6,641,385	82,987,934	927	60,889	1,031,640	30,585	652,153	\$ 1,160,781	\$ 15,317,914	3,923
Brookfield	\$ 825,739	6,326,913	82,054,427	851	1,271	25,384	8,516	185,065	\$ 1,014,146	\$ 13,237,148	3,692
Brooklyn	\$ 197,818	644,733	7,078,329	62	72	1,437	8,578	174,855	\$ 121,934	\$ 1,525,399	381
Burlington	\$ 277,582	677,953	6,760,106	181	3,526	55,866	5,754	120,297	\$ 122,868	\$ 1,387,599	400
Canaan	\$ 353,682	1,179,830	16,632,623	125	0	0	1,737	38,268	\$ 189,301	\$ 2,680,903	688
Canterbury	\$ 77,596	210,224	2,754,903	17	0	0	1,227	26,495	\$ 35,947	\$ 492,773	123
Canton	\$ 253,785	435,484	5,599,228	65	2,311	44,840	6,199	135,078	\$ 85,008	\$ 1,233,837	259
Chaplin	\$ 54,315	94,605	1,158,184	22	0	0	1,663	32,683	\$ 18,862	\$ 259,249	56
Cheshire	\$ 1,912,390	4,911,037	59,040,873	830	76,271	1,391,527	18,023	394,621	\$ 870,293	\$ 11,257,038	2,916
Chester	\$ 50,364	78,701	1,072,718	11	0	0	1,627	35,001	\$ 16,279	\$ 251,553	47
Clinton	\$ 305,737	481,042	6,372,126	81	7,898	134,318	7,163	148,996	\$ 98,605	\$ 1,459,464	289
Colchester	\$ 312,207	697,552	8,325,341	124	62	1,240	13,144	295,713	\$ 141,247	\$ 2,011,475	414
Colebrook	\$ 5,019	5,518	74,454	0	0	0	260	5,115	\$ 1,494	\$ 23,951	3
Columbia	\$ 100,251	288,142	4,161,043	14	0	0	4,999	111,026	\$ 57,288	\$ 915,950	171
Cornwall	\$ 28,463	68,706	952,537	3	0	0	1,233	28,893	\$ 13,759	\$ 218,083	41
Coventry	\$ 159,233	256,488	3,128,784	28	0	0	9,523	203,603	\$ 63,254	\$ 979,112	155
Cromwell	\$ 406,470	1,696,595	20,255,249	217	6,026	120,664	5,286	113,897	\$ 283,396	\$ 3,524,180	995
Danbury	\$ 4,265,704	12,899,445	157,692,799	1,512	189,144	1,871,512	19,581	403,622	\$ 2,210,599	\$ 27,015,748	7,637
Darien	\$ 527,408	1,477,928	17,941,769	195	10,469	240,250	14,389	315,933	\$ 274,365	\$ 3,748,397	876
Deep River	\$ 224,141	466,326	5,515,154	65	295	5,896	2,313	45,686	\$ 78,970	\$ 973,445	273
Derby	\$ 314,663	1,021,367	13,047,452	135	10,327	211,106	3,239	69,514	\$ 175,685	\$ 2,367,669	603
Durham	\$ 112,730	189,548	2,434,224	43	0	0	4,351	94,351	\$ 40,252	\$ 606,909	113
East Granby	\$ 308,222	679,232	8,661,516	117	2,494	35,156	3,456	68,366	\$ 116,756	\$ 1,541,361	399
East Haddam	\$ 154,329	323,333	4,549,886	54	0	0	5,012	89,834	\$ 62,840	\$ 925,232	191
East Hampton	\$ 269,320	403,294	5,483,535	53	11,037	187,689	6,249	131,871	\$ 86,513	\$ 1,322,547	245
East Hartford	\$ 3,327,553	5,980,394	76,473,507	861	142,016	2,376,337	27,157	594,878	\$ 1,108,623	\$ 15,243,173	3,583
East Haven	\$ 708,405	2,061,709	25,027,084	232	15,533	323,327	11,159	246,232	\$ 361,883	\$ 4,749,091	1,217
East Lyme	\$ 439,415	993,803	11,798,328	160	119	2,380	18,606	430,776	\$ 200,968	\$ 2,879,372	590
East Windsor	\$ 564,107	1,481,027	17,398,113	225	22,531	404,643	4,325	75,623	\$ 259,426	\$ 3,214,575	879
Eastford	\$ 36,407	60,266	1,012,188	6	0	0	878	18,268	\$ 11,578	\$ 201,681	36
Easton	\$ 300,641	505,550	6,139,661	85	13,759	202,241	10,773	236,935	\$ 115,498	\$ 1,690,306	309
Ellington	\$ 1,277,726	1,925,506	23,873,750	353	28,505	698,539	9,299	191,327	\$ 345,586	\$ 4,737,534	1,144
Enfield	\$ 2,452,659	8,436,184	99,631,750	1,247	96,099	1,438,640	19,699	421,464	\$ 1,442,027	\$ 17,676,487	4,983
Essex	\$ 109,293	302,471	4,913,665	42	497	9,920	3,190	66,076	\$ 55,529	\$ 932,358	178
Fairfield	\$ 1,776,146	4,858,354	61,378,630	775	85,556	1,600,896	16,953	374,442	\$ 866,290	\$ 11,739,827	2,890
Farmington	\$ 1,430,627	3,695,795	45,094,250	498	28,346	502,186	18,583	383,045	\$ 645,643	\$ 8,346,033	2,181
Franklin	\$ 22,936	77,960	1,055,768	6	0	0	727	14,059	\$ 13,987	\$ 198,287	46

Eversource's C&I instant discount lighting and behavior savings are not included.

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	\$ 1,369,581	4,964,255	58,926,974	663	35,725	663,984	14,494	312,493	\$ 840,214	\$ 10,457,788	2,922
Goshen	\$ 216,543	488,752	5,887,506	72	0	0	1,268	26,406	\$ 79,745	\$ 980,058	285
Granby	\$ 195,952	607,908	7,013,396	72	1,111	21,604	6,021	125,738	\$ 110,743	\$ 1,412,714	358
Greenwich	\$ 2,241,785	4,701,984	58,723,199	662	117,410	2,199,913	10,036	203,661	\$ 848,534	\$ 11,393,717	2,814
Griswold	\$ 93,906	249,420	3,149,080	35	0	0	4,679	97,610	\$ 50,439	\$ 726,035	148
Groton	\$ 360,098	1,065,332	12,631,073	114	7,576	95,271	663	12,701	\$ 174,329	\$ 2,072,710	625
Guilford	\$ 645,840	1,137,462	15,194,312	156	24,833	443,919	11,760	249,694	\$ 225,189	\$ 3,323,902	684
Haddam	\$ 97,247	154,913	1,937,953	29	0	0	5,752	125,025	\$ 38,204	\$ 603,834	94
Hamden	\$ 1,649,930	6,095,134	75,781,717	645	39,495	736,262	17,362	379,417	\$ 1,027,348	\$ 13,300,449	3,584
Hampton	\$ 16,430	18,915	223,299	2	0	0	1,055	21,769	\$ 5,516	\$ 87,377	12
Hartford	\$ 9,434,320	14,281,334	174,538,878	1,861	518,707	7,887,457	40,294	884,307	\$ 2,720,502	\$ 35,619,986	8,646
Hartland	\$ 12,515	22,518	246,262	2	0	0	385	8,385	\$ 4,464	\$ 58,594	13
Harwinton	\$ 168,675	166,058	1,843,676	31	184	3,685	6,812	147,346	\$ 42,650	\$ 646,075	101
Hebron	\$ 373,647	736,511	8,605,377	102	232	4,392	8,616	178,042	\$ 136,542	\$ 1,773,113	434
Kent	\$ 384,334	912,757	11,530,699	154	0	0	1,681	36,269	\$ 147,265	\$ 1,882,101	533
Killingly	\$ 1,205,929	2,976,417	35,435,627	290	49,540	342,745	7,746	163,479	\$ 522,222	\$ 6,184,388	1,768
Killingworth	\$ 206,434	507,578	7,479,189	83	0	0	4,431	91,626	\$ 90,342	\$ 1,385,425	298
Lebanon	\$ 29,002	61,377	947,906	4	108	2,160	772	15,368	\$ 11,575	\$ 186,398	36
Ledyard	\$ 2,615,686	9,009,605	84,720,878	579	119,618	635,401	3,093	62,620	\$ 1,509,204	\$ 13,844,903	5,321
Lisbon	\$ 294,883	1,771,791	19,324,048	241	113	2,252	1,331	27,879	\$ 281,276	\$ 3,076,434	1,033
Litchfield	\$ 493,845	1,202,368	12,737,603	231	252	5,043	7,924	171,347	\$ 207,974	\$ 2,400,511	705
Lyme	\$ 30,873	69,945	1,133,486	9	0	0	679	14,732	\$ 12,615	\$ 212,009	41
Madison	\$ 313,238	519,399	6,992,006	92	10,632	212,500	10,563	236,507	\$ 114,856	\$ 1,830,134	315
Manchester	\$ 3,249,223	8,860,609	99,348,583	1,324	103,068	1,709,068	23,432	505,018	\$ 1,522,775	\$ 18,051,103	5,236
Mansfield	\$ 1,536,656	2,914,632	38,540,321	339	79,836	1,155,504	12,581	292,760	\$ 546,557	\$ 7,631,342	1,752
Marlborough	\$ 151,608	265,155	3,357,874	49	0	0	6,009	126,412	\$ 56,122	\$ 828,157	158
Meriden	\$ 4,058,236	5,220,494	66,931,258	935	216,712	3,325,032	22,782	509,462	\$ 1,033,917	\$ 14,311,895	3,181
Middlebury	\$ 289,059	512,815	6,388,361	64	4,825	79,341	9,654	213,473	\$ 107,345	\$ 1,573,809	307
Middlefield	\$ 172,357	459,141	6,494,514	76	1,055	16,391	2,452	52,251	\$ 78,738	\$ 1,150,134	270
Middletown	\$ 2,519,334	5,547,173	68,605,261	717	141,670	1,831,271	18,676	387,352	\$ 1,019,906	\$ 13,080,256	3,325
Milford	\$ 3,226,351	11,101,413	137,889,882	1,285	100,721	2,042,818	8,936	184,271	\$ 1,837,572	\$ 23,540,982	6,532
Monroe	\$ 291,118	797,971	9,422,519	99	5,665	110,192	6,717	142,159	\$ 145,604	\$ 1,898,309	472
Montville	\$ 414,603	2,138,873	26,146,800	238	12,519	187,474	3,733	82,279	\$ 353,821	\$ 4,418,131	1,256
Morris	\$ 81,212	110,507	1,597,200	14	0	0	2,824	66,233	\$ 24,163	\$ 408,675	66
Naugatuck	\$ 1,193,851	2,998,680	38,316,834	467	42,696	666,730	18,114	373,545	\$ 545,724	\$ 7,400,206	1,783
New Britain	\$ 3,138,884	8,561,449	101,871,444	1,149	186,797	2,855,302	10,730	232,901	\$ 1,506,893	\$ 18,704,353	5,103
New Canaan	\$ 251,497	419,329	5,518,816	85	1,603	32,491	10,419	222,063	\$ 92,149	\$ 1,421,715	251
New Fairfield	\$ 220,884	783,507	9,381,045	89	0	0	5,346	113,758	\$ 135,843	\$ 1,734,898	460
New Hartford	\$ 308,250	1,908,850	22,767,748	237	210	4,195	2,840	58,438	\$ 306,497	\$ 3,687,782	1,114
New Haven	\$ 4,882,707	16,475,897	199,824,585	2,103	587,855	7,217,558	21,986	475,109	\$ 3,071,558	\$ 38,028,960	9,955
New London	\$ 864,166	912,193	11,621,372	108	82,746	1,174,163	5,545	120,305	\$ 217,537	\$ 3,040,224	583
New Milford	\$ 994,072	3,707,045	47,990,593	549	20,544	207,271	13,100	278,418	\$ 628,405	\$ 8,307,517	2,179
Newington	\$ 1,516,064	4,111,861	48,826,639	607	66,735	1,113,636	10,048	218,883	\$ 718,605	\$ 9,019,967	2,440
Newtown	\$ 554,698	1,402,071	19,017,806	215	13,426	225,973	15,056	308,906	\$ 266,257	\$ 3,887,423	833
Norfolk	\$ 24,064	60,759	881,635	9	0	0	1,523	34,067	\$ 13,212	\$ 219,559	36
North Branford	\$ 1,013,214	1,077,097	15,953,480	112	246,272	4,924,814	2,700	56,227	\$ 357,128	\$ 6,564,885	773
North Canaan	\$ 210,408	602,489	7,293,483	90	0	0	149	2,965	\$ 94,885	\$ 1,142,189	351
North Haven	\$ 3,036,093	8,661,648	106,974,486	1,000	144,887	1,686,208	18,232	390,524	\$ 1,509,833	\$ 18,942,751	5,142
North Stonington	\$ 63,051	120,453	1,579,533	19	1,609	16,091	2,109	44,357	\$ 25,180	\$ 365,934	72
Norwalk	\$ 4,021,183	17,337,014	213,461,401	2,157	135,148	1,948,934	22,017	480,480	\$ 2,872,876	\$ 35,942,372	10,193
Norwich	\$ 955,372	2,935,312	35,212,426	307	205	4,104	-	-	\$ 460,672	\$ 5,483,092	1,710
Old Lyme	\$ 105,229	176,567	2,564,615	15	110	2,208	4,442	92,273	\$ 38,517	\$ 623,946	106
Old Saybrook	\$ 336,664	1,244,024	14,032,779	157	1,763	35,739	10,515	229,698	\$ 221,887	\$ 2,767,727	732
Orange	\$ 1,347,753	4,940,299	61,516,870	600	27,777	320,249	14,407	304,725	\$ 830,383	\$ 10,566,618	2,903
Oxford	\$ 405,957	1,094,136	15,315,052	175	9,239	146,232	6,394	124,903	\$ 193,923	\$ 2,802,476	647
Plainfield	\$ 248,407	527,003	6,885,370	65	1,686	34,313	6,544	129,448	\$ 99,740	\$ 1,411,943	312
Plainville	\$ 832,844	1,993,289	24,061,853	218	32,249	495,847	5,431	117,461	\$ 349,633	\$ 4,425,819	1,183
Plymouth	\$ 198,515	339,126	4,595,510	53	2,128	43,260	4,448	92,237	\$ 65,523	\$ 972,804	201

Eversource's C&I instant discount lighting and behavior savings are not included.

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	\$ 40,585	51,308	469,349	5	110	2,208	2,437	53,625	\$ 14,021	\$ 204,447	31
Portland	\$ 276,458	646,419	7,943,078	78	1,803	33,158	5,256	107,899	\$ 115,448	\$ 1,523,527	381
Preston	\$ 198,986	697,509	7,950,087	75	0	0	3,081	67,280	\$ 116,877	\$ 1,399,850	408
Prospect	\$ 217,772	285,874	3,747,942	44	1,048	20,638	7,568	163,312	\$ 63,913	\$ 994,600	172
Putnam	\$ 1,344,772	1,722,973	19,353,038	242	156,911	1,466,564	1,664	35,144	\$ 390,056	\$ 4,271,862	1,096
Redding	\$ 147,565	233,069	3,046,136	86	42	845	5,605	118,644	\$ 50,141	\$ 761,541	139
Ridgefield	\$ 778,937	1,639,990	19,272,352	224	132,296	1,335,905	11,164	245,670	\$ 381,841	\$ 4,663,552	1,039
Rocky Hill	\$ 1,722,635	4,178,164	53,844,968	712	67,080	1,118,996	5,548	127,043	\$ 718,389	\$ 9,583,199	2,477
Roxbury	\$ 31,881	32,797	421,545	5	0	0	1,255	26,760	\$ 8,178	\$ 130,294	20
Salem	\$ 29,442	53,533	876,682	7	0	0	709	13,612	\$ 10,111	\$ 169,336	32
Salisbury	\$ 191,393	497,526	6,397,060	43	0	0	2,123	45,584	\$ 83,187	\$ 1,105,718	291
Scotland	\$ 16,569	39,760	498,121	6	0	0	290	6,338	\$ 6,940	\$ 92,840	23
Seymour	\$ 256,840	411,210	5,645,195	64	2,077	41,063	9,715	216,469	\$ 89,523	\$ 1,434,727	246
Sharon	\$ 26,832	47,091	668,397	5	0	0	1,092	22,054	\$ 10,026	\$ 157,332	28
Shelton	\$ 1,606,746	5,523,799	70,855,756	745	106,677	1,234,641	19,760	428,317	\$ 993,050	\$ 13,051,432	3,292
Sherman	\$ 43,038	52,627	670,024	14	0	0	2,406	54,990	\$ 14,070	\$ 237,208	32
Simsbury	\$ 1,366,347	1,655,349	19,822,725	269	45,996	1,065,561	17,090	351,310	\$ 334,928	\$ 4,787,959	1,001
Somers	\$ 96,867	126,759	1,521,719	19	99	1,987	5,333	113,581	\$ 32,848	\$ 512,984	77
South Windsor	\$ 1,036,442	2,731,250	34,671,891	491	40,881	532,574	12,351	251,700	\$ 488,501	\$ 6,430,917	1,622
Southbury	\$ 555,079	1,199,885	15,610,969	147	5,480	89,278	12,421	262,883	\$ 222,309	\$ 3,136,454	710
Southington	\$ 2,223,390	6,794,332	79,393,434	813	40,972	804,855	17,919	380,797	\$ 1,139,481	\$ 13,920,811	3,993
Sprague	\$ 18,716	49,164	650,526	5	0	0	934	18,738	\$ 9,970	\$ 146,534	29
Stafford	\$ 162,432	296,306	3,617,448	40	0	0	7,070	135,526	\$ 63,574	\$ 890,585	177
Stamford	\$ 5,535,432	12,934,303	172,319,873	1,413	148,447	2,678,221	25,028	497,074	\$ 2,199,218	\$ 30,164,369	7,637
Sterling	\$ 19,432	19,581	248,179	1	0	0	1,373	20,588	\$ 6,389	\$ 88,394	12
Stonington	\$ 542,668	1,344,051	18,142,835	219	9,929	166,692	10,223	219,168	\$ 242,894	\$ 3,486,816	795
Stratford	\$ 1,609,283	4,646,847	58,060,764	637	66,860	1,273,332	22,074	505,378	\$ 831,696	\$ 11,277,555	2,759
Suffield	\$ 516,123	730,647	9,757,602	134	40,165	386,404	7,241	144,937	\$ 161,749	\$ 2,178,501	453
Thomaston	\$ 335,263	705,773	8,519,365	95	4,431	76,809	5,635	124,939	\$ 127,613	\$ 1,689,380	417
Thompson	\$ 391,865	1,317,105	13,513,305	233	66	1,326	5,591	120,481	\$ 220,201	\$ 2,395,282	771
Tolland	\$ 298,447	628,680	7,934,643	106	967	19,880	11,637	249,313	\$ 127,468	\$ 1,853,441	374
Torrington	\$ 1,695,902	4,323,780	54,574,688	640	60,582	965,817	15,813	323,512	\$ 761,248	\$ 10,048,979	2,564
Trumbull	\$ 1,598,317	4,884,820	62,459,552	576	85,965	1,150,575	17,347	388,946	\$ 871,697	\$ 11,582,264	2,906
Union	\$ 4,676	9,546	139,350	1	0	0	227	4,355	\$ 2,046	\$ 32,213	6
Vernon	\$ 1,670,489	2,932,848	37,664,000	490	44,092	931,608	16,109	336,226	\$ 531,580	\$ 7,420,639	1,744
Voluntown	\$ 13,134	22,714	277,012	3	0	0	726	15,962	\$ 5,319	\$ 81,697	14
Wallingford	\$ 2,237,033	7,054,108	80,526,309	985	56,412	823,285	817	19,542	\$ 1,150,295	\$ 13,238,548	4,143
Warren	\$ 18,391	24,535	347,802	5	0	0	740	14,615	\$ 5,637	\$ 89,457	15
Washington	\$ 122,652	203,268	2,687,869	44	0	0	3,496	78,897	\$ 40,340	\$ 609,022	120
Waterbury	\$ 6,262,843	14,042,673	169,711,633	1,582	334,348	4,618,624	54,406	1,187,239	\$ 2,581,201	\$ 32,981,780	8,408
Waterford	\$ 928,725	4,891,396	56,103,829	592	1,698	27,707	6,729	142,372	\$ 784,924	\$ 9,097,333	2,855
Watertown	\$ 1,691,980	4,060,265	48,226,671	706	30,665	546,099	13,274	287,358	\$ 691,707	\$ 8,637,369	2,391
West Hartford	\$ 3,420,974	7,465,566	88,609,759	940	131,191	2,568,707	25,324	560,365	\$ 1,329,218	\$ 17,202,543	4,441
West Haven	\$ 1,345,081	4,535,503	57,251,305	536	74,441	1,012,644	17,119	369,678	\$ 807,843	\$ 10,614,645	2,696
Westbrook	\$ 200,431	309,531	4,263,224	54	7,535	78,827	3,471	71,254	\$ 62,507	\$ 898,867	187
Weston	\$ 271,836	516,782	6,726,436	65	1,396	27,769	7,363	155,001	\$ 99,901	\$ 1,443,741	306
Westport	\$ 670,703	1,256,946	16,819,768	180	12,870	254,702	13,666	296,322	\$ 239,719	\$ 3,537,961	748
Wethersfield	\$ 1,051,608	804,124	9,882,663	116	71,486	1,419,203	10,513	236,401	\$ 204,285	\$ 3,246,657	516
Willington	\$ 465,441	133,535	1,679,917	16	118	2,354	29,637	663,203	\$ 92,658	\$ 1,866,601	95
Wilton	\$ 1,175,088	2,054,992	24,591,616	414	55,373	747,684	15,667	339,776	\$ 401,105	\$ 5,247,502	1,239
Winchester	\$ 334,717	725,640	8,663,642	76	14,274	237,003	1,684	35,539	\$ 128,441	\$ 1,624,074	432
Windham	\$ 1,488,483	3,694,838	43,596,673	455	99,462	1,177,486	8,590	171,722	\$ 673,792	\$ 8,143,226	2,216
Windsor	\$ 3,147,834	5,553,645	67,037,768	593	70,503	1,333,954	57,099	1,276,879	\$ 1,061,289	\$ 14,588,237	3,310
Windsor Locks	\$ 1,785,562	6,808,065	87,073,335	695	63,926	685,869	5,049	107,090	\$ 1,127,462	\$ 14,358,940	4,007
Wolcott	\$ 346,718	428,461	5,274,404	46	505	10,091	15,031	320,800	\$ 103,916	\$ 1,604,425	259
Woodbridge	\$ 414,280	701,218	8,766,749	132	57,848	871,901	14,256	318,029	\$ 187,126	\$ 2,831,778	451
Woodbury	\$ 153,346	319,992	4,023,046	49	82	1,643	4,442	96,710	\$ 60,998	\$ 861,182	189
Woodstock	\$ 213,781	786,962	9,402,339	117	0	0	4,252	93,260	\$ 133,742	\$ 1,688,659	461

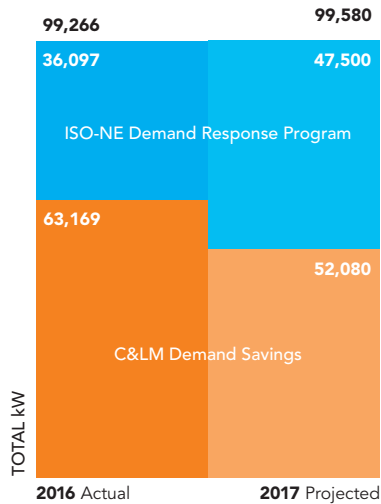
Eversource's C&I instant discount lighting and behavior savings are not included.

2016 ACTUAL SPENDING / 2017 BUDGET

	2016 Actuals Electric	2017 Plan Electric	2016 Actuals Natural Gas	2017 Plan Natural Gas
Energy Efficiency Programs (Does not include municipal power companies)				
RESIDENTIAL				
Residential Retail Products	\$ 19,294,564	\$ 17,037,507	\$ —	\$ —
Residential New Construction	2,729,803	3,004,044	2,026,113	2,505,423
Home Energy Solutions - Core Services	19,246,072	22,552,416	6,868,770	8,012,733
Home Energy Solutions - HVAC, Water Heaters	4,613,436	4,062,519	5,213,402	4,809,376
HES Income Eligible	25,279,017	21,084,845	11,912,906	11,379,926
Residential Behavior	3,398,427	3,249,043	355,173	655,371
Subtotal Residential	\$ 74,561,319	\$ 70,990,373	\$26,376,364	\$27,362,829
COMMERCIAL & INDUSTRIAL				
Energy Conscious Blueprint	\$ 15,378,570	\$ 18,473,327	\$ 5,446,854	\$ 7,149,580
Energy Opportunities	51,157,278	44,976,812	5,900,172	4,468,790
Business & Energy Sustainability (O&M, RetroCx, BSC, PRIME)	3,005,112	7,228,938	1,059,000	1,425,208
Small Business	20,964,185	20,629,633	817,570	740,641
Subtotal C&I	\$ 90,505,145	\$ 91,308,710	\$ 13,223,596	\$ 13,784,218
OTHER—EDUCATION, ENGAGEMENT & FINANCING				
Educate the Public	\$ 2,490,119	\$ 2,247,751	\$ 632,675.00	\$ 563,321
Customer Engagement	1,740,516	2,443,000	389,400	582,000
Educate the Students	518,815	619,892	118,455	158,250
Educate the Workforce	344,661	375,538	86,041	89,221
Residential Loan Program (Includes ECLF and OBR)	2,179,074	593,723	311,052	252,667
C&I Financing Support	7,081,833	4,074,234	5,595	276,084
Research, Development & Demonstration	282,674	474,692	35,487	125,000
Subtotal Education, Engagement & Financing	\$ 14,637,692	\$ 10,828,830	\$ 1,578,705	\$ 2,046,543
OTHER—LOAD MANAGEMENT				
ISO Load Response Program	\$ 2,414,427	\$ 3,357,000	\$ —	\$ —
Residential Demand Response	1,198,405	2,087,880	—	—
C&I Demand Response	45,345	639,630	—	—
Subtotal Load Management	\$ 3,658,177	\$ 6,084,510	\$ —	\$ —
OTHER—ADMINISTRATIVE & PLANNING				
Administration	\$ 1,030,288	\$ 1,482,094	\$ 296,392	\$ 399,472
Marketing Plan	999,221	972,692	312,842	243,174
Planning	947,343	991,083	376,392	322,440
Evaluation Measurement and Verification	2,000,744	2,400,000	520,011	600,000
Evaluation Administrator	247,282	240,000	79,278	60,000
Information Technology	1,981,359	2,300,050	410,739	411,915
Energy Efficiency Board Consultants	574,781	520,001	156,994	129,999
Audits - Financial and Operational	-	220,000	-	40,000
Performance Management Incentive (PMI)	11,052,896	7,962,730	1,944,509	1,919,750
Subtotal Admin/Planning	\$ 18,833,914	\$ 17,088,650	\$ 4,097,156	\$ 4,126,750
TOTAL EE BUDGET	\$ 202,196,247	\$ 196,301,073	\$ 45,275,821	\$ 47,320,341

LOAD MANAGEMENT & PEAK DEMAND

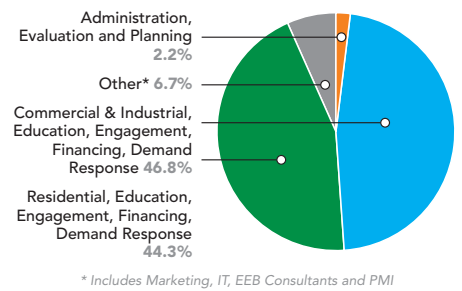
Load management programs reduce peak demand and have direct impact on consumers, as reductions in needed capacity can result in lower electricity prices and also reduce the federally mandated congestion charges on electric bills.



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

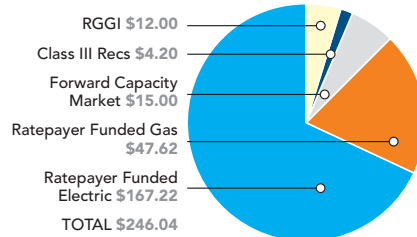
2016 EFFICIENCY PROGRAM SPENDING

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



2016 EFFICIENCY PROGRAM FUNDING

Funding for energy efficiency programs comes from many sources. Funding reflects 2016 revenues received. (In Millions)



CONNECTICUT MUNICIPAL ELECTRIC ENERGY COOPERATIVE



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 2016, 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 2016, MEUs realized annual savings of 4,484,000 kilowatt-hours. These savings were achieved through the delivery of a full array of energy efficiency programs. In total, over 3,700 customers participated in the programs.

Assistance to Customers

Bozrah Light and Power	\$21,095
Groton Public Utilities	\$286,272
Jewett City Department of Public Utilities	\$7,365
Norwich Public Utilities	\$933,027
South Norwalk Electric and Water	\$62,600
Third Taxing District of Norwalk Electric Utility	\$168,292
Total Assistance	\$1,478,651



MUNICIPAL ELECTRIC UTILITIES

Bozrah Light and Power

Groton Public Utilities

Jewett City Department of Public Utilities

Norwich Public Utilities

South Norwalk Electric and Water

Third Taxing District of Norwalk Electric Utility



CONSERVATION AND LOAD MANAGEMENT

In 2016, the MEUs provided a fully integrated portfolio of energy efficiency initiatives, including:

- Performing comprehensive energy audits and weatherization of 430 homes;
- Distributing nearly 25,000 compact fluorescent and LED lamps, bringing the total to over 1,350,000 since program inception in 2006;
- Promotion/purchase of 20 ENERGY STAR® appliances through the mail-in Appliance Rebate program;
- Participation in the Cool Choice HVAC Rebate program by more than 140 residential and commercial customers;
- Providing energy efficiency assessments and incentives for nearly 200 commercial and industrial customer projects (e.g., custom equipment replacement, lighting retrofits, etc.);
- Serving more than 3,700 customers in total.

C&LM efforts during 2016 resulted in a 462 kW coincident summer peak demand reduction and 4,484 MWh in annual energy savings, at a cost of about four cents per lifetime kWh. MEU commercial and industrial customers received over \$900,000 in incentives for installing energy efficiency measures in their facilities. Residential customers received over \$530,000 in incentives. These efforts will continue through 2017 and beyond.

2016 CMEEC PROGRAM HIGHLIGHTS

This chart details the incentives and rebates provided to MEU residential, commercial and industrial customers in 2016.



CO₂ Emissions Reduced:
4,101 Tons



NO_x Emissions Reduced:
1.2 Tons



SO_x Emissions Reduced:
2.2 Tons



SAVINGS:
Annual: **\$503,837**
Lifetime: **\$5,997,890**



kWh SAVINGS:
Annual: **4.5 Million**
Lifetime: **54.7 Million**



Projects:
3,788

2016 CMEEC SUMMARY

Program	Program Budget 2016	Actual Utility Costs 2016	% of Budget Spent	Proj. Annual Savings (kWh)	Annual Energy Savings (kWh)	% of Annual kWh Saved	Lifetime Savings (kWh)	2016 Proj. kW Impact	Actual kW Impact	% of kW Impact Achieved	Summer Peak kW Demand Reduction
Residential											
Home Energy Savings Program	\$ 623,600	\$ 529,425	85%	279,000	387,000	139%	2,554,200	220	305	139%	39
Efficient Products											
Lighting	311,800	115,530	37%	1,436,690	519,000	36%	2,724,750	1,354	489	36%	79
Appliances	311,800	124,696	40%	64,590	69,000	107%	1,035,000	35	37	107%	6
Subtotal — Residential	\$ 1,247,200	\$ 769,651	62%	1,780,280	975,000	55%	6,313,950	1,608	831	52%	124
Commercial											
Commercial New Construction	\$ 18,700	\$ 0	0%	0	0	—	0	0	0	—	0
Equipment Replacement	449,000	475,554	106%	1,065,810	1,306,000	123%	19,590,000	169	207	123%	61
C&I Existing Facility Retrofit	1,403,100	884,255	63%	3,216,660	2,176,000	68%	28,288,000	747	505	68%	277
Subtotal — Commercial	\$ 1,870,800	\$ 1,359,809	73%	4,282,470	3,482,000	81%	47,878,000	915	712	78%	338
Renewables	400,000	13,691	3%	367,670	27,000	7%	540,000	0	0		0
Total — All Programs	\$ 3,518,000	\$ 2,143,151	61%	6,430,420	4,484,000	70%	54,731,950	2,524	1,543	61%	462



Photos courtesy of Norwich Public Utilities

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 823 homes.
- 17 high-efficiency heat pump water heaters were installed and rebated.
- 72 residential, commercial and industrial customers participated in the Cool Choice program, with 540 tons of energy efficient HVAC equipment being installed.
- 13,003 LED and CFL bulbs were provided to customers at no cost through the HES program and home delivery through mail-in coupon program. 58,962 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.
- 67 incentives were paid to commercial and industrial customers who completed energy efficient projects, including lighting retrofits and custom equipment replacement.

Energy efficiency efforts in 2016 resulted in a reduction of 0.89 MW coincident summer peak demand and 6.1 million kWh in annual energy consumption. The WED's commercial and industrial customers received over \$880,000 in incentives.



2016 WALLINGFORD ELECTRIC DIVISION PROGRAM HIGHLIGHTS



CO₂ Emissions Reduced:
9,241 Tons



SAVINGS:
Annual: **\$727,975**
Lifetime: **\$8.1 Million**



NO_x Emissions Reduced:
5.1 Tons



kWh SAVINGS:
Annual: **6.2 Million**
Lifetime: **70.8 Million**



SO_x Emissions Reduced:
7.9 Tons



Customers Served:
10,918

2016 WALLINGFORD ELECTRIC DIVISION SUMMARY

Program	Program Budget 2016	Actual Utility Costs 2016	% of Budget Spent	Proj. Annual Savings (kWh)	Annual Energy Savings (kWh)	% of Annual kWh Saved	Lifetime Savings (kWh)	2016 Proj. kW Impact	Actual kW Impact	% of kW Impact Achieved	Summer Peak kW Demand Reduction
Residential											
Home Energy Savings Program	\$ 640,632	\$ 654,278	102%	47,000	600,123	1277%	5,171,415	37	468	1277%	74
Efficient Products											
Lighting	213,544	184,393	86%	1,892,000	1,643,679	87%	11,763,923	1,785	1,551	87%	248
Other	96,095	140,051	146%	79,000	72,541	92%	1,124,333	33	30	92%	11
Subtotal — Residential	\$ 950,271	\$ 978,721	103%	2,018,000	2,316,343	115%	18,059,671	1,855	2,049	110%	333
Commercial											
Equipment Replacement	\$ 453,781	\$ 341,189	75%	2,083,000	1,149,659	55%	17,244,886	477	263	55%	118
C&I Existing Facility Retrofit	854,176	612,517	72%	3,297,000	2,730,798	83%	35,500,374	749	620	83%	434
Subtotal — Commercial	\$ 1,307,957	\$ 953,705	73%	5,380,000	3,880,457	72%	52,745,260	1,226	884	72%	552
Renewables	106,772	0	0%	0	0	—	0	0	0	0%	0
Total — All Programs	\$ 2,365,000	\$ 1,932,426	82%	7,398,000	6,196,800	84%	70,804,931	3,081	2,933	95%	885

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CONNECTICUT ENERGY EFFICIENCY FUND

ACTIVITIES IN 2016 PRODUCED SUBSTANTIAL ECONOMIC AND ENVIRONMENTAL BENEFITS FOR RESIDENTS, BUSINESSES AND MUNICIPALITIES

ENERGY EFFICIENCY FUND 2016 RESIDENTIAL PROGRAM SAVINGS



SAVINGS:
Annual: **\$40.6 Million**
Lifetime: **\$503.9 Million**



Projects and Rebates:
1,178,981



CO₂ Emissions Reduced:
Annual: **119,547 Tons**
Lifetime: **1.6 Million Tons**



ENERGY SAVINGS

kWh = Electricity
Annual: **184 Million**
Lifetime: **2 Billion**

CCF = Natural Gas
Annual: **3 Million**
Lifetime: **59.0 Million**

Gallons = Fuel Oil and Propane
Annual: **1.6 Million**
Lifetime: **33.6 Million**

ENERGY EFFICIENCY FUND 2016 COMMERCIAL & INDUSTRIAL PROGRAM SAVINGS



SAVINGS:
Annual: **\$37.7 Million**
Lifetime: **\$457.9 Million**



Projects and Rebates:
6,528



CO₂ Emissions Reduced:
Annual: **143,064 Tons**
Lifetime: **1.7 Million Tons**



ENERGY SAVINGS

kWh = Electricity
Annual: **258 Million**
Lifetime: **3.1 Billion**

CCF = Natural Gas
Annual: **3.9 Million**
Lifetime: **46.0 Million**

COMBINED 2016 RESIDENTIAL, COMMERCIAL & INDUSTRIAL PROGRAM SAVINGS



SAVINGS:
Annual: **\$78.3 Million**
Lifetime: **\$961.8 Million**



Projects and Rebates:
1,185,509



Air Emissions Reduced:
CO₂: **3.3 Million Tons** (Lifetime)
SO_x: **2,916 Tons** (Lifetime)
NO_x: **1,556 Tons** (Lifetime)



ENERGY SAVINGS

kWh = Electricity
Annual: **442.3 Million**
Lifetime: **5.1 Billion**

CCF = Natural Gas
Annual: **6.9 Million**
Lifetime: **105.0 Million**

Gallons = Fuel Oil and Propane
Annual: **1.6 Million**
Lifetime: **33.6 Million**



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 State of Connecticut, the Connecticut Green Bank, Eversource, UI, SCG and CNG, with funding from a charge on customer energy bills. Information on energy-saving programs can be found at EnergizeCT.com or by calling 877.WISE.USE.

Energy Efficiency Board

c/o Connecticut Public Utilities Regulatory Authority

Ten Franklin Square

New Britain, CT 06051

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