

Connecticut Energy Efficiency Board 2024 Programs and Operations Report

MARCH 1, 2025



Empowering you to make
smart energy choices



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CASE STUDIES

The House of Bread | Hartford, Connecticut

The House of Bread in Hartford, Connecticut has been serving its local community by providing basic food services since 1980, when it first opened its doors for 17 guests. Now, after 40 years in operation and serving over 1,000 people daily, current Co-Directors Tom Porell and Beth Boyle felt that the House of Bread building needed some updates in order to remain a comfortable and functional space for the community. In February 2024, they embarked on a partnership with Eversource through the Small Business Energy Advantage program to upgrade their HVAC system and refrigeration units, and replace outdated lighting with highly efficient LED fixtures.

They received over \$24,000 in incentives to help cover the cost of the measures which will help the organization save over 37,000 kWh annually and 122,000 kWh over the lifetime of the measures, saving the nonprofit \$7,500 in annual energy costs. Thanks to these cost-saving measures, the House of Bread headquarters is operating more efficiently than ever before, and the organization can reinvest the funds they are saving to further their mission of providing food, housing, and education for their community's most vulnerable residents.



Mt. Carmel Congregate Housing | Hamden, Connecticut

Originally opened in 1979, Mt. Carmel Congregate Housing is a 30-unit community for low-income seniors in Hamden, Connecticut. The Hamden Housing Authority (HHA) manages the building, and reached out to United Illuminating, a subsidiary of Avangrid, Inc. to inquire about participating in the Multifamily Initiative to lower overall operating costs and tackle some of their energy challenges including an aging water heating system, inefficient heat and lighting, and an inefficient building envelope with little insulation.

After an energy assessment, a plan was determined to address the community's challenges. Efficiency experts upgraded the building's attic and wall insulation and installed ductless mini split units, programmable smart thermostats, common and exterior LED lighting, heat pump water heaters, ENERGY STAR® certified refrigerators, and upgraded the common areas' HVAC systems to variable refrigerant flow units. The project will save 129,793 kWh annually and 1.9 million kWh over the 16-year lifetime of the installed efficiency measures. This will save the HHA \$26,787 in annual energy costs and \$428,596 over the lifetime of the measures.



Chair Letter



On behalf of the Connecticut Energy Efficiency Board (the Board) and the Connecticut Department of Energy and Environmental Protection (DEEP), we are honored to deliver the 2024 Programs and Operations Report to the Connecticut General Assembly.

Our report reflects on this past year's achievements, which produced \$3 in lifetime benefits for every \$1 invested into the Conservation and Load Management (C&LM) programs delivered under the Energize ConnecticutSM initiative. This effort remains the most cost-effective policy tool to reduce energy bills, promote economic development, protect the environment, and provide energy security.

2024 marked the successful conclusion of the 2022-2024 three-year portfolio, delivering savings across the residential, commercial, and industrial (C&I) customer classes. The portfolio focused on efforts related to affordability, equity, and decarbonization. The C&LM programs are managed by the Companies: Eversource (electric



272,148
instances of participation

and gas) and Avangrid, Inc. subsidiaries United Illuminating, Connecticut Natural Gas, and Southern Connecticut Gas. The Companies implemented energy-reduction strategies through the weatherization of 29,058 residences, installation of 12,959 residential and C&I heat pumps and heat pump water heaters, and implementation of 1,065 Small Business Energy Advantage projects.

We specifically want to recognize and celebrate the significant contributions that the highly skilled

workforce of 34,477 energy efficiency professionals have made to the Connecticut energy efficiency landscape and look forward to continuing our partnership in decreasing energy bills throughout the state.¹

The C&LM surcharge, which has a statutory ceiling, supports programs that deliver cost savings to both participants and nonparticipants. For example, a residential customer who participates in the Home Energy SolutionsSM program experiences an average bill savings of \$170 annually. Other benefits, which include avoided transmission and distribution costs, positively impact all ratepayers and equate to \$39.4 million saved annually across the state. The Board will continue to work with the various parties to ensure that all ratepayers are experiencing the maximum benefit, whether they participate or not.

Over the past year, the Board has been coordinating with DEEP on several initiatives to leverage state and federal funding to increase overall benefits for Connecticut. For example, in 2024, DEEP was able to secure American Rescue Plan Act (ARPA) and additional Regional Greenhouse Gas Initiative (RGGI) funds to support high program demand. DEEP plans to combine at least 95% of federal Inflation Reduction Act (IRA) rebate funds with the C&LM programs, which will alleviate market confusion on rebate offerings, facilitate eligibility and access for customers, maximize participant benefits, and provide administrative cost efficiency. Coordination between DEEP and other state agencies like the Department of Social Services plays a critical role in streamlining data sharing for the Home Energy

Solutions—Income Eligible program eligibility, as well as providing funding for health and safety remediation through DEEP's Residential Energy Preparation Services (REPS), a program enabling Connecticut's most vulnerable, low-income households to unlock, on average, over \$825 in annual energy savings. Despite leveraging funds, the demand for energy efficiency programs continues to exceed the available C&LM funding.

Equitable access to energy efficiency and decarbonization efforts continue to be a central focus for the Board. While all customers contribute to C&LM program funding through their energy bills, barriers to access have prevented equitable distribution of program benefits in the past. In 2024, the Board worked with its diversity, equity, and inclusion (DEI) consultant to develop an equity framework to track progress and identify areas of improvement for enhancing C&LM program access and participation in environmental justice communities. Over the last year, the Board has encouraged more diverse public participation through additional public input sessions and has hosted meetings at varying times to accommodate schedules, and encourage written comments. In 2025, the Board plans to establish a working group focused on improving equity and expanding stakeholder access to contribute toward the success of the programs.

In 2024, we welcomed one new Board member, who brought fresh perspectives to our decision-making process. Our purpose and Board member information are detailed on the back cover. We appreciated the insightful public input at Board meetings and technical sessions and look forward to continued discourse in 2025 as we implement the new 2025-2027 three-year plan which focuses on the similar goals of affordability, equitable access, and decarbonization while promoting market transformation.

As you read this report, the Board has already started to work on carrying our momentum forward into 2025.



Energy-saving programs generated **\$408.2** million in lifetime savings



These savings eliminated the need for a **58 MW** power plant

Anthony Kosior, Chairperson
Yale University, 2 Whitney Avenue
New Haven, CT 06510

John Vigione, Vice Chairperson
State of Connecticut, Ten Franklin
Square, New Britain, CT 06051

¹ The 2023 CT Clean Energy Industry Report reflects 2022 data.

Executive Summary

Connecticut's C&LM programs are nationally recognized for cost effectively advancing energy efficiency. In 2024, the C&LM programs invested \$238.9 million, which delivered \$39.4 million in annual bill savings and \$408.2 million in lifetime bill savings to participating Connecticut residents, municipalities, and businesses. In addition to reducing costs, energy efficiency is and remains the most cost-effective tool for policymakers to ensure buildings are more resilient, comfortable, and healthier, while supporting a robust local clean energy workforce. Compared to recent supply costs averaging \$23/MMBtu (based on a blended portfolio of electricity, natural gas, fuel oil, and propane), energy efficiency savings have been delivered at \$15/MMBtu.

Energy affordability

Rising energy costs and inflation continued to be major economic concerns for the state in 2024. Connecticut's C&LM programs are essential for helping Connecticut residents, municipalities, and businesses manage their energy costs.



1,750

energy-efficient new construction homes and units across Connecticut

Energy burden is a measure of the percentage of household income spent on energy costs. In general, a household spending 6% or more of total household income on energy costs is considered to have a high energy burden. In Connecticut, high energy burdens disproportionately impact households earning below 60% of the State Median Income (SMI), where the average cost burden is 8 to 19% of annual income. The C&LM programs help residential customers lower their energy bills. For low-income households, these programs can often provide insulation, air sealing, pipe insulation, and other efficiency upgrades at

little to no-cost to the participating household.

Active demand response programs offer incentives for customers to shift their energy use to hours when grid demand is lower. This helps to reduce the strain on the electric grid which lowers system maintenance costs for everyone. The Companies saw their residential smart thermostat and air conditioning load programs fully subscribed, as well as growing C&I customer interest in demand-side management. In 2024, these programs reduced peak demand by 115.5 MW, thereby improving grid reliability.

Financing and loan products help customers afford the upfront payment needed to invest in energy-saving improvements. The Companies, who manage the C&LM programs, work closely with the Connecticut Green Bank and other financial institutions to offer loan products that support the financing of energy efficiency upgrades. The Companies are also working closely with financing institutions to ensure there are sufficient loan options to replace the Energize CT Heat Loan which was discontinued on December 31, 2024.

In July 2024, the US Environmental Protection Agency (EPA) awarded a \$450 million grant through the Climate Pollution Grant program to the New England Heat Pump Accelerator Coalition—which includes Connecticut, Maine, Massachusetts, New Hampshire, and Rhode Island.² DEEP is leading this coalition to accelerate the adoption of cold-climate air source heat pumps, ground source heat pumps, and heat pump water heaters throughout the region. DEEP has also been awarded approximately \$100 million in IRA grants to support weatherization and electrification in Connecticut. Collaboration between C&LM and these federal funding streams overseen by DEEP, will be critical to maximizing the energy-saving benefits of federal funding and providing streamlined services to Connecticut residents.

Creating equitable access to efficiency

Energy efficiency benefits must be delivered in an equitable and inclusive manner. Energy equity is recognizing that priority populations and communities have been historically marginalized and affected disproportionately by the negative impacts of climate change and air pollution, underinvestment in clean energy infrastructure, and limited access to efficient, healthy homes and businesses.

The Community Partnership Initiative deployed strategic outreach across Connecticut to engage residents and businesses in energy efficiency and promote C&LM program participation in 2024. The Partnership supported 16 approved outreach projects in environmental justice communities across the state including Branford, Bridgeport, Bristol, East Haddam, East Haven, Essex, Fairfield, Farmington, Hartford, Manchester, Mansfield, New Haven, Plainville, Plymouth, Waterbury, and Windham. As a result of the Partnership efforts, there were 2,133 Home Energy Solutions—Income Eligible assessments, 26 Multifamily Initiative projects, and 271 Small Business Energy Advantage assessments or projects either completed or scheduled in the participating communities.

In 2024, the Board hosted contractor meetings and held additional public input sessions in March, April, May, July, and September regarding the development of the 2025-2027 C&LM Plan and posted more information and draft documents on [EnergizeCT.com](https://energizect.com). These actions helped stakeholders contribute their knowledge and experience for both program decision-making and the C&LM planning process.



34,477

energy efficiency workers supported by clean energy investment¹



29,058

residences weatherized

¹ The 2023 Clean Energy Industry Report reflects 2022 data.

² Information regarding the Heat Pump Accelerator Coalition is available at <https://portal.ct.gov/deep/energy/new-england-heat-pump-accelerator>



4,047

projects funded through Energize CT loans and financing programs¹

A trusted workforce is key to meeting these energy efficiency and decarbonization goals. The programs support qualified installer networks for advanced duct sealing, heat pumps, and insulation. Through these networks, the Companies facilitate contractor education and training including the Insulation Boot Camp and specialized heat pump courses for the Energize CT Heat Pump Installer Network contractors. In response to increased demand for heat pumps, likely driven by increasing market awareness of the technology and higher demand for air conditioning, the Companies implemented an

additional rebate registration step to help customers and contractors secure incentives to support their heat pump projects while maintaining their focus on weatherization.

Protecting the environment

More than 30% of Connecticut's economy-wide carbon emissions come from fossil fuel combustion in residential and commercial buildings.² Connecticut's C&LM programs help the state meet the Global Warming Solutions Act's target emission reduction goals, requiring Connecticut to reduce the level of economy-wide greenhouse gas emissions 80% below 2001 levels by 2050. Building decarbonization means designing new or retrofitting existing buildings

to significantly improve efficiency and reduce carbon emissions in their operations. Within the C&LM programs, decarbonization efforts simultaneously increase energy affordability for customers.

Decarbonization strategies include efficiency improvements in buildings, appliances, and equipment, including demand response, use of clean electricity supply resources, and phasing out fossil fuel combustion systems. In 2024, the Companies enhanced weatherization efforts for commercial and municipal buildings, implemented the first full year for the all-electric Residential New Construction program, one of the first in the nation, and introduced a Grid-Interactive Efficient Building offer to navigate the operational challenges to electrification and opportunities for commercial buildings to address the pressing question of grid impacts.

National recognition

In 2024, Connecticut's C&LM programs delivered an impactful programmatic framework to support energy affordability, equity, building resilience, and decarbonization. For the ninth time, the EPA and US Department of Energy (DOE) recognized the Companies' continued leadership, ingenuity, and commitment to leveraging ENERGY STAR criteria and tools across the C&LM program portfolio by awarding them a 2024 ENERGY STAR Partner of the Year Sustained Excellence Award. The award recognized the increase in commercial food service equipment, HVAC, and ENERGY STAR certified equipment rebates issued across the state.

¹ This total reflects the number of energy efficiency projects funded through the following loans/financing programs: Home Energy Solutions Micro Loan, Heating Loan, Small Business and Municipal Loan, C&I Third-Party Financing, Smart-E Loan, and C-PACE.

² DEEP, 1990-2021 Connecticut Greenhouse Gas Emissions Report.



More than **50**

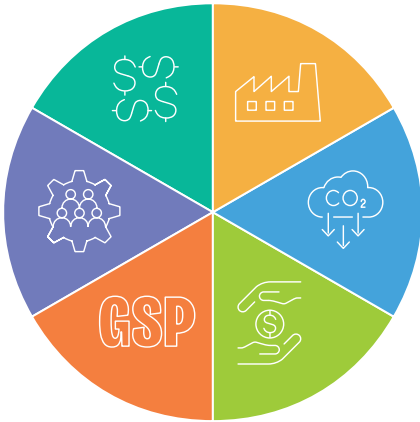
C&LM vendors who are certified minority-owned, women-owned, and veteran-owned businesses

The Congregational Church of Salisbury, United Church of Christ in Salisbury, Connecticut. Case study on page 17.

2024 Clean Energy Key Benefits*

At an average of \$15/MMBtu, it is less expensive to save energy through Connecticut's existing, award winning efficiency programs than it is to generate it through any other means. Together, the Board, DEEP, the

Companies, and the Green Bank make Connecticut a better place to live and work. As a result, all customers will benefit in the long term from lower total energy costs.



Every \$1.00 collected results in an additional \$5.20 of clean energy investment

Every dollar contributed from energy efficiency, demand management, and clean energy programs, results in customers and industry participants contributing more than five times the initial clean energy investment.

44,270 jobs

Clean energy investment supports 44,270 Connecticut jobs in HVAC, electrical, manufacturing, insulation, weatherization, and solar industries (Includes 34,477 efficiency jobs).¹

\$8.1 billion increase to the gross state product

Generated by the Conservation and Load Management Plan (Eversource, UI, CNG, and SCG) and the Comprehensive Plan (Green Bank).²

Annual electric energy savings equivalent to a 58 MW power plant

This is enough energy to power approximately 31,528 homes for a year.

140,555 tons of CO₂ emissions avoided, plus \$1.6 million in public health costs saved

Supporting our state's drive toward carbon neutrality.³

\$88 million in Connecticut tax revenues

Generated from energy efficiency, renewable, and financing measures supported by the Conservation and Load Management Plan (Eversource, UI, CNG, and SCG) and the Comprehensive Plan (Green Bank).⁴

* The numbers presented are from the implementation of the 2022-2024 C&LM Plan managed by the Companies (Eversource, UI, CNG, and SCG) and the 2024 Comprehensive Plan administered by the Green Bank. These numbers reflect 2024 annual savings and benefits calculated from C&LM and Green Bank reporting.

¹ The 2023 Clean Industry Energy Report reflects 2022 data.

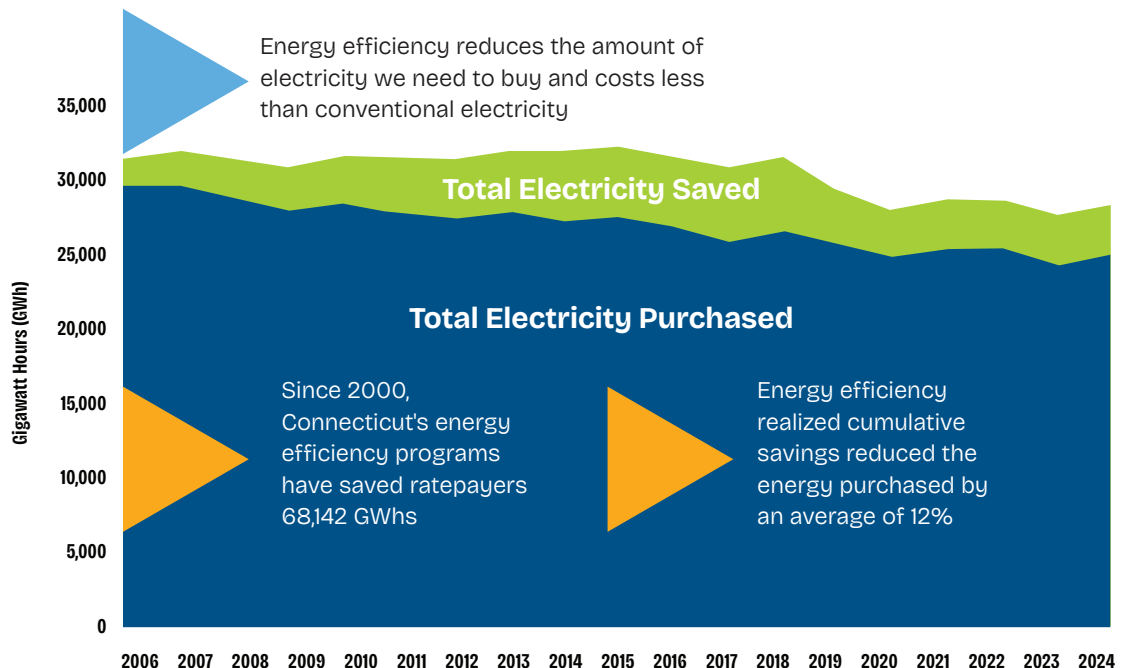
² The 2020 Environment Northeast (ENE) (based on updated formula data).

³ EPA Avoided Emissions and Generation Tool (AVERT) and EPA Co-Benefits Risk Assessment Model.

⁴ Based on the Navigant Tax Calculator Report.

⁵ This analysis factors in the lifetime of measures.

Impact of energy efficiency on Connecticut electricity use⁵



K-12 Education & Community Outreach



35,269
K-12 students
reached¹

K-12 education

As Connecticut transitions to a sustainable energy future, K-12 education plays a critical role in equipping students and educators with the skills and knowledge needed to become smart energy consumers and future members of the clean energy workforce. In 2024, the Companies engaged K-12 students and educators with curriculum, presentations, and professional development workshops.

The Energy in Action Mobile Exhibit saw high demand, traveling to over 100 schools and community events, 70 of which were located in environmental justice communities. The mobile exhibit highlights energy-efficient technologies, decarbonization, weatherization, and clean energy careers.

In May, 30 K-12 winners were honored at the **eesmarts**[™] Student Contest ceremony held at the Connecticut Science Center in Hartford. The annual contest received 632 submissions from students answering grade-level prompts about how they would promote energy efficiency, renewable energy, and reducing their carbon footprints to their families, fellow students, and communities.



112
mobile exhibit
tours in
49 communities²

The Green Sustainable Technical Education Program (STEP) offered 713 technical and non-technical high school students the opportunity to gain industry certification and hands-on technical training through in-school, summer, and after-school trainings, a 28% increase in student participation from 2023. During the school year, 589 industry certificates were earned with an 87% pass rate.

In July, the Companies held their second Green STEP Summer Energy Training, a two-week program that prepares students for green and energy efficiency careers. Over 50 students representing 19 schools earned 82 industry certifications and participated in an awards ceremony and job expo to network with local businesses to discuss internship and career opportunities. Green STEP honored 11 trade shops at seven schools



8
workshops
for **167** K-12
educators

for their participation in four or more of the program's courses, such as Introduction to Energy & Sustainability and Weatherization & Blower Door Training.³

In September, the Companies launched Energy Smart Adventures, a highly interactive, 30-minute story time experience for grades K-2, to encourage positive energy behaviors.

Community outreach

The Community Partnership Initiative leverages the trusted relationships and knowledge of local groups, municipalities, and nonprofits to educate residents and businesses on and further the adoption of energy efficiency programs. In 2024, 16 Partnership coalitions implemented outreach projects in environmental justice communities throughout the state. As a result, the Partnership coalition communities successfully completed or scheduled 2,133 Home Energy Solutions—Income Eligible assessments, 27 Multifamily Initiative projects, along with the installation of 105 heat pumps in low-income households. Additionally, the Partnership coalition communities exceeded their total goal of 154 Small Business Energy Advantage assessments with 271 assessments or projects either completed or scheduled.

On October 5, Energize CT sponsors, UI and SCG, hosted Energy Conservation Day at the Beardsley Zoo, attracting more than 4,700 Bridgeport area attendees and 1,330 customer inquiries regarding programs and services. Attendees participated in energy conservation activities, explored the zoo's exhibits, and met with C&LM program contractors as part of an educational scavenger hunt. The event resulted in 109 home energy assessments (including 74 in low-income households), 41 high efficiency HVAC and water heating system installations, and five insulation projects.

- 1 Includes mobile exhibit tours, in-school presentations, Green STEP, and student contests.
- 2 Reaching 7,703 students and 258 adults at school events and 3,168 students and 1,829 adults at community events.
- 3 Green STEP information and all course offerings can be found at: <https://energizect.com/resources-for/education/green-step>



257
presentations
conducted for
7,253 students



5,000+
residents and
businesses
reached in
communities
participating in
the Community
Partnership
Initiative



eesmarts Student Contest ceremony, Connecticut Science Center, Hartford, Connecticut



Energy Conservation Day at the Beardsley Zoo, Bridgeport, Connecticut

Residential Programs

C&LM programs offer innovative, accessible services, incentives, and tools to help the state's households make their energy bills more affordable, make their homes more resilient, and reduce greenhouse gas emissions. The C&LM programs meet customers where they are—in the store, online, and at home. A top priority is ensuring customers have equitable access to program information, services, and benefits. In 2024, the Companies engaged more customers in efficiency by marketing to customers behind on their bills (in arrears) and conducting community based-outreach to environmental justice communities.

The core residential programs, Home Energy Solutions and Home Energy Solutions—Income Eligible, offer energy assessments and in-home weatherization services for single-family (1-4 units) and multifamily (5+ units) properties, through the Multifamily Initiative, to improve the efficiency of a home's building envelope and systems including air sealing, insulation, and duct sealing. Other programs incentivize customers to replace their existing heating, cooling, and water heating systems with high efficiency technologies, upgrade electrical appliances with ENERGY STAR certified models, build sustainable all-electric new construction, install smart thermostats, and participate in demand management programs that reduce peak demand on the grid.

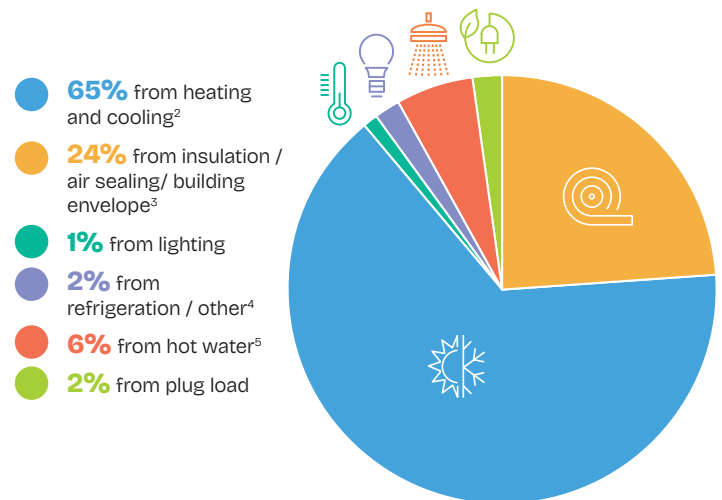
2024 Residential highlights

Weatherization

Weatherization refers to the installation of energy-efficient measures focused on improving a building's thermal envelope to minimize energy use. In 2024, the C&LM programs supported the weatherization of 29,058 homes. Participating customers typically receive \$950 of value in core services (includes weatherization) and save an average of \$170 annually on their home energy bills.

There was notable progress in the integration of DEEP's REPS program with Home Energy Solutions—Income Eligible and the federal Weatherization Assistance Program.⁶ The program addresses low-income households with health and safety barriers, such as the removal of mold and vermiculite, which prevent weatherization. In 2024, REPS began accepting the Home Energy Solutions—Income Eligible application for program income verification. This speeds up the delivery of program services—improving the customer experience.

Here is how energy was saved in residential' homes:



In 2024, REPS completed barrier remediation of 203 dwelling units across the state. The REPS program has an additional 191 projects in the pipeline to remediate. With over 20% of low-income households deferred from weatherization services for health and safety barriers each year, REPS plays a critical role in increasing efficiency across Connecticut. Ongoing financial support for REPS will be crucial for continued improvement in equitable efficiency access.

Clean heating and cooling technologies

In 2024, the C&LM programs provided 11,300 heat pump heating, cooling and water heating rebates for residential single-family and multifamily buildings. Clean heating and cooling technologies, like heat pumps, are highly efficient systems that help customers save money and enhance air conditioning access. As demand for heat pumps grows, it is critical that C&LM programs incentivize efficient, well-designed systems in conjunction with weatherization, to minimize grid impacts and to maximize bill savings.

The Companies enhanced EnergizeCT.com to provide easy to understand information on heat pumps, incentives, tools, like the Clean Heating & Cooling Calculator, and services, like Heat Pump Consultations, to inform customers' purchasing decisions. DEEP is working with other New England states to determine best practices in this regard through the New England Heat Pump Accelerator Coalition.

¹ Includes 30,808 single and multifamily homes served (includes residential new construction).

² Includes 12,239 heating and cooling systems installed (including 9,136 heat pumps).

³ Includes 5,570 insulation rebates.

⁴ Includes 50,281 refrigerator and freezer rebates.

⁵ Includes 2,893 water heating units installed.

⁶ Information regarding the REPS program is available at <https://energizect.com/explore-solutions/residential-energy-preparation-services-reps>

Qualified installer networks

C&LM programs support qualified installer networks for heat pumps, insulation, and advanced duct sealing, requiring installers to meet program requirements for certifications, quality installations, and customer service. The Energize CT Heat Pump Installer Network maintains and uses a Qualified Products List to standardize efficiency and qualifying criteria for heat pump technologies in the Northeast. The Insulation Installers Network transitioned to a closed network, requiring customers to use trained and qualified contractors for insulation rebate eligibility. The newly introduced Advanced Duct Sealing Network requires customers to hire qualified contractors to perform these valuable weatherization services.

Building all-electric

This was the first full year that Connecticut implemented an all-electric Residential New Construction program. This nationwide leading effort will help to reduce energy bills for building occupants far into the future and prioritizes building resilience. All-electric homes couple high-performance thermal envelopes with heat pumps for space conditioning



and domestic hot water, as well as provide readiness capabilities for battery storage, demand response, electric vehicle charging, and solar photovoltaics. In August, the program was featured at the American Council for an Energy-Efficient Economy's 2024 Summer Study on Energy Efficiency in Buildings.



CASE STUDIES

Nick and Erin Sinatra | Middletown, Connecticut

Nick and Erin Sinatra's single-family home was originally heated with an inefficient, oil-fueled boiler system and their home faced rising energy costs. Seeking a more cost-effective and fossil fuel-free solution, they enrolled in Home Energy Solutions. They improved the building's efficiency with air sealing, advanced duct sealing, and new insulation in the attic, basement, and floors. The Sinatras also installed an air source heat pump, which will be two to three times more efficient than their old boiler system. The couple received C&LM incentives totaling \$6,000, making the upgrades a practical, affordable option that is estimated to reduce their overall energy bills by \$2,700 annually and \$53,000 over the lifetime of the installed measures.



William Shontell | New Haven, Connecticut

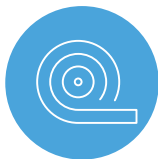
In April 2024, William Shontell learned about the potential for making his home more efficient through the New Haven Community Partnership, which was awarded a Community Partnership Initiative grant to increase heat pump adoption and participation in Home Energy Solutions—Income Eligible. Mr. Shontell was interested and reached out to sign up. After conducting an energy assessment in June 2024, an approved contractor determined the home could benefit from air sealing, advanced duct sealing, fuel optimization, a high efficiency heat pump and heat pump water heater, and new insulation in the walls, ceilings, and floors. The efficiency measures will reduce Mr. Shontell's energy bill by an estimated \$2,858 annually.



This is how we saved* energy in 2024



\$9.4
million in equivalent energy savings through residential programs



29,058
homes weatherized (market-rate and low-income single- and multifamily)



10,838
low-income households served (included in homes weatherized number)



1,750
energy-efficient homes, units, and buildings built (includes single-family and multifamily units)



12,239
heating and cooling systems installed



2,893
hot water systems installed



50,281
refrigerator and freezer rebates



60,545
non-lighting products sold (retail & online marketplace)

*Based on annual savings in Connecticut

Commercial & Industrial Programs

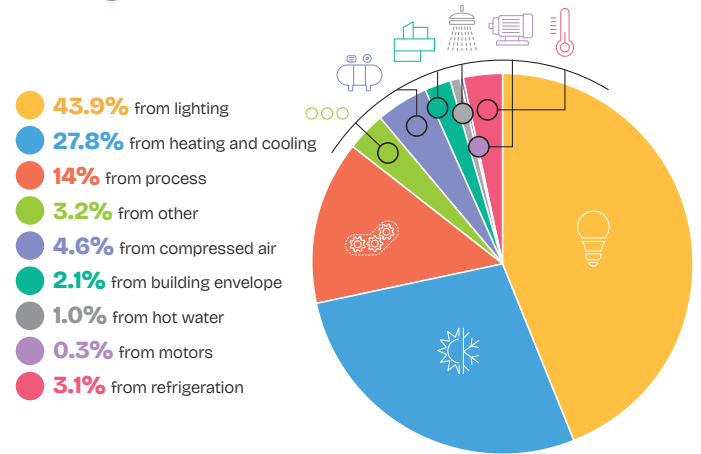
Connecticut's C&LM programs provide energy solutions to serve each C&I market segment, including retrofit and renovation, new construction and equipment, demand response, operations and maintenance, and strategic energy management. Businesses of all sizes, colleges and universities, hospitals, nonprofits, municipal and state offices, houses of worship, office settings, and industrial facilities benefit from energy efficiency. In 2024, the C&LM programs provided equitable access to program information, services, and benefits to help C&I customers meet their corporate and sustainability goals, reduce peak demand, and lower their energy bills.

Serving our local communities

The Small Business Energy Advantage program helps small and microbusinesses reduce their environmental impact and lower their energy bills and operating costs. A contractor performs a no-cost energy audit of the small business and provides an installation cost proposal to install efficiency measures. This turnkey program, combined with zero-interest financing and C&LM incentives, minimizes the effort needed to invest in efficiency.

In 2024, the Companies launched community-wide business canvassing and educational outreach to communities across the state for the Main Streets Initiative. The initiative brings efficiency expertise to small businesses through direct customer engagement. The C&LM programs partnered with local chambers, community based organizations, and other business groups to support small business activity through the Community Partnership Initiative, Main Street events, and direct outreach campaigns to microbusiness customers in environmental justice communities.

Here is how energy was saved* in C&I and municipal buildings:



Family Roots, a Bristol, Connecticut family-run market

specializing in locally grown food and products, participated in the Small Business program after learning about the potential for energy savings through the Central Connecticut Chambers of Commerce's (Chamber) outreach. The Chamber received a \$50,000 Energize CT Community Partnership Initiative grant in March 2024 to encourage participation in the Small Business program. Family Roots replaced their evaporator fan motors to their open-air display cases and added fan controls for their walk-in cooler, which will help them save over \$300 annually in energy costs. The market will save 1,578 kWh annually and 15,179 kWh over the lifetime of the installed efficiency measures.

Manufacturers

Several C&I programs help manufacturers optimize their industrial processes to help them reduce their energy bills and decrease operational inefficiencies.

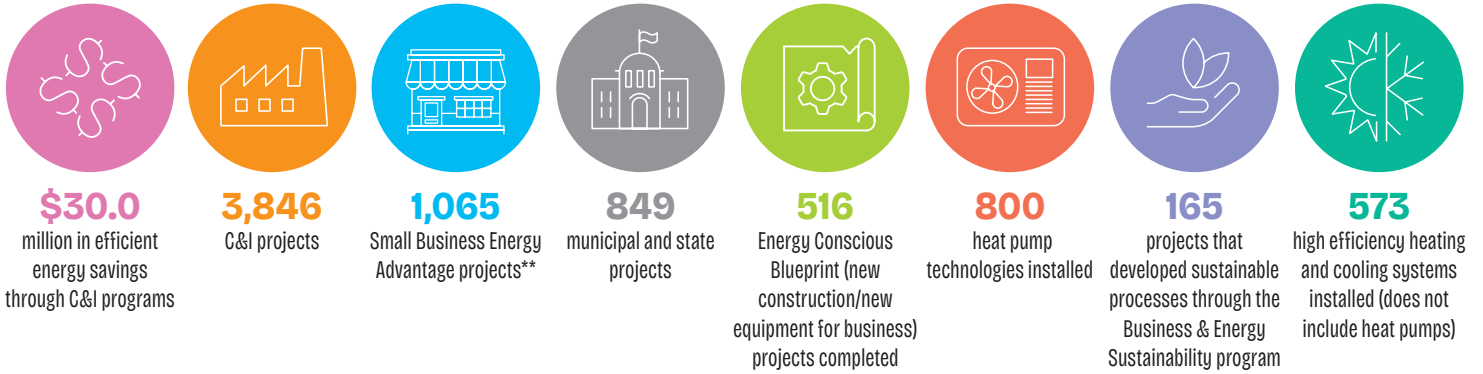
Founded in 2008, **Aleia's Gluten Free Foods, LLC** (Aleia's), is a women-owned and operated bakery that makes certified gluten-free baked goods for the retail, commercial, and food service markets. In October 2024, Aleia's opened its new facility in North Branford, Connecticut, converting a former industrial space into a state-of-the-art bakery. The new facility allows the bakery to produce four times the capacity of their old building. Aleia's turned to CNG and UI to create a recipe for energy-saving opportunities. Contractors installed a new variable speed drive air compressor, heat recovery system, and a high efficiency fluid bed dryer system to provide faster and more uniform drying of baked goods. The project is estimated to save Aleia's \$105,925 a year and \$1.5 million over



Aleia's Gluten Free Foods, LLC in Branford, Connecticut

* Based on annual MMBtu savings (all fuels).

Here is how we saved* energy in 2024



the lifetime of the measures and reduce the bakery's energy consumption by about 63,000 ccf and 32,000 kWh annually.

In 2024, **Rowley Spring & Stamping**, a manufacturer of spring and stamping products in Bristol, Connecticut, wanted to better understand their facility's compressed air needs and save money on their energy bills. Eversource experts helped the business conduct a compressed air leak survey and make subsequent repairs, as well as identify more areas for efficiency improvements, embarking on a comprehensive project that included heating and cooling upgrades, new condensing boilers, new rooftop units, and a full LED lighting retrofit with lighting controls. In addition to improved operations, the business is estimated to reduce its energy consumption by 336,949 kWh annually and save over \$77,498 annually in energy costs.

Benchmarking efficiency

In 2024, through their Benchmarking Initiative, the Companies used the EPA's Portfolio Manager software to gather commercial, industrial, and municipal customers' building performance data to help customers make informed decisions about engaging in energy efficiency. In 2024, the Benchmarking Initiative engaged 13 commercial and 21 industrial entities. Future efforts will build upon the lessons learned, particularly when helping manufacturers reduce their energy bills, optimize energy use, identify inefficiencies in their processes, improve business operations, and develop multi-measure energy-saving projects.

Helping farms grow successfully

Connecticut is home to more than 5,000 farms with a total value of agricultural products of over \$700 million including nurseries, greenhouses, and sod. Aside

from their positive economic impact, these enterprises help the state build a more efficient and resilient local food system by decreasing the energy consumed in growing, processing, and transporting agricultural products from farm to table. Farms have high-intensity operations, and the C&I programs can help farms and supporting industries save energy and money.

Enko Chem Inc., a Mystic, Connecticut-based AI-informed crop protection company, designs safe, sustainable solutions to farmers' biggest crop threats—from pest resistance to new diseases. Enko wanted to reduce its energy consumption, costs, and carbon footprint so they worked with Eversource to conduct an LED lighting retrofit and install lighting controls in their greenhouses, labs, and offices, resulting in significant savings. This was followed by a large scale comprehensive retrofit and upgrades to their HVAC system, insulation, and building management control system. Altogether, these upgrades will save Enko over 1.6 million kWh and over 1,700 gallons of heating oil annually. They received over \$1 million in C&LM incentives which helped them complete these upgrades and lay the groundwork for future improvements.



* Based on annual savings expected in Connecticut.

**Small businesses can participate in other C&LM programs.

Economic & Environmental Benefits

For more than two decades, Connecticut has been a leader in advancing energy efficiency, providing energy security and reliability, and protecting the environment. Energy efficiency benefits all ratepayers and decreases demand on power plants and the grid resulting in lower costs to deliver and supply energy. This reduces greenhouse gas emissions and other air pollutants, improving public health, mitigating climate change, and protecting vulnerable communities.

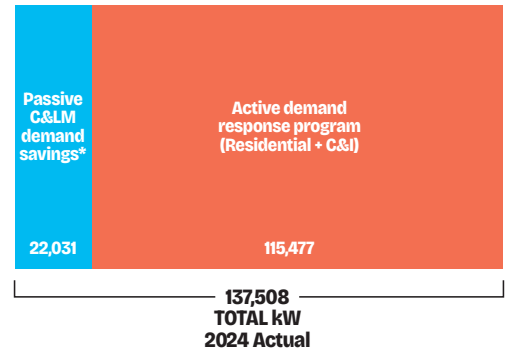
Active demand management

The need for integrated demand management has grown as clean energy deployments continue to increase across the state. Energy efficiency (passive demand) and demand management programs (active demand) reduce peak demand on the grid, resulting in lower electricity prices and reduced federally mandated congestion charges on electric bills. These programs also reduce the need for infrastructure and improve resiliency. In 2024, 49,800 devices were enrolled in the residential and C&I active demand response programs,

achieving 115.5 MW demand savings for Connecticut ratepayers.

Customers who participate in active demand management

programs take discrete actions that they would not have otherwise taken to reduce their energy use for a specified period, such as allowing their smart thermostats to be remotely adjusted by a few degrees on a hot summer afternoon. Connecticut's C&LM programs incentivize those brief reductions in customer load during targeted periods of peak energy demand. In 2024, the smart thermostat programs were fully subscribed, indicating a continued trend of increasing customer interest and participation.



Protecting the environment in 2024

	Annual Savings (Millions)	Lifetime Savings (Millions)	Number of Projects & Rebates	Annual CO ₂ emissions reduced (Tons)	Annual MMBtus Reduced (Thousands)
Home Energy Solutions (including insulation and windows)	\$ 2.38	\$ 47.28	26,926	7,248	104,342
Home Energy Solutions – Income Eligible	\$ 1.86	\$ 36.10	17,703	5,215	73,406
Retail Products	\$ 1.72	\$ 18.89	60,562	2,267	21,266
HVAC and Water Heating Equipment	\$ 1.69	\$ 24.80	48,504	14,679	230,840
Residential New Construction	\$ 1.24	\$ 30.98	2,152	2,054	24,190
Residential Behavior	\$ 0.47	\$ 0.94	63,127	987	13,732
Small Business	\$ 4.71	\$ 37.99	1,065	11,900	157,803
Business & Energy Sustainability	\$ 1.77	\$ 9.89	165	5,464	74,778
Energy Opportunities (existing buildings mid- and large-sized businesses)	\$ 19.85	\$ 148.34	1,628	35,833	348,843
Energy Conscious Blueprint (new construction/new equipment for business)	\$ 3.68	\$ 53.01	516	12,840	184,505
Total	\$ 39.37	\$ 408.22	272,148*	98,488**	1,233,704

*Additionally, there are 30,466 customers who participated in active demand response programs by enrolling 49,800 units.

Totals may vary due to rounding.

**Annual CO₂ emissions are in short tons.

Workforce development

Connecticut supports a robust workforce of 34,477 energy efficiency professionals and workers from across the state and local region. The workforce reinvests their earnings in their local communities, making it an economic win for Connecticut residents, municipalities, and businesses. In 2024, the Companies worked collaboratively with contractors and partners to offer industry training, develop course offerings, and foster partnerships with state and local agencies to increase capacity for the current and future efficiency workforce. Through the Energize CT eLearning Center, virtual, no-cost training courses were offered that were designed to provide Connecticut HVAC and weatherization contractors program guidance and technical best practices.

Approximately 57 individual insulation installers participated in the successful Energize CT Insulation Boot Camp, a four-day course, focused on training installer field staff on the proper installation of high efficiency insulation in single-family homes. The Residential New Construction program conducted Passive House and All-Electric Home initiative training to support workforce development and the initiative's shift to an all-electric offering.

In June 2024, a Selling Energy™ training in Berlin, Connecticut allowed more than 50 participants to network with peers and gain valuable insight on the latest energy efficiency strategies, tips for navigating the customer journey, and actionable tools, resources, and industry knowledge tailored for contractors.

Protect the environment

In addition to cost savings, efficiency provides substantial environmental and health benefits. When fossil fuels are burned at traditional power plants or on-site at a home or business, they release carbon dioxide and other harmful air pollutants. Connecticut's C&LM programs reduce these harmful emissions and air pollutants, such as carbon dioxide, nitrous oxides, sulfur oxides, and chlorofluorocarbons (from refrigerants).

Approximately 30% of Connecticut's economy-wide carbon emissions are a result of fossil fuel combustion in residential and commercial buildings, with delivered fuels such as propane and heating oil accounting for 61% of residential sector emissions. While Connecticut has made progress in reducing emissions and meeting its 2020 emission reduction goal set by the Global Warming Solutions Act—reducing statewide greenhouse gas emissions by 10% from 1990 levels—decarbonization, weatherization, and increased investment in energy efficiency are needed to help the state meet its 2030 goal of reducing greenhouse gas emissions by 45% from 2001 levels.

Connecticut's C&LM programs are instrumental in protecting the environment and public health, as people living and working in marginalized communities are more likely to have health conditions exacerbated by air pollution. The C&LM programs help achieve cost-effective decarbonization and make residences and commercial buildings better prepared for a clean energy transition.



Sulfur oxides (SO_x)

Nitrous oxides (NO_x)

Carbon dioxide (CO₂)

Air emissions

Estimated Annual Savings 2024 (Tons)¹

Electric	0.6	6	41,075
Natural Gas	0.2	25	31,848
Fuel Oil and Propane	0.3	21	25,565

Estimated Lifetime Savings 2024 (Tons)¹

Electric	4	38	271,617
Natural Gas	2	333	424,702
Fuel Oil and Propane	6	412	494,907

¹ CO₂ emissions are in short tons.

2024 Savings

The Board acknowledges the delicate balancing act needed to deliver an impactful programmatic framework to support energy affordability, equity, building resilience, and decarbonization. In an effort to meet our statutory energy savings and climate change goals, we prioritize greenhouse gas emission reductions and all fuel energy savings

(MMBtus). Throughout 2024, the Companies continued to make enhancements to their energy savings dashboard, ctenergydashboard.com, that improved reporting and increased visibility regarding C&LM program performance. In 2025, these dashboards will be redesigned to provide increased functionality and an enhanced user experience.



2024 RESIDENTIAL PROGRAM SAVINGS

Savings	Customers Served	CO ₂ Emissions Reduced ¹	ENERGY SAVINGS ²			
			MMBtus	kWh = Electricity ²	ccf = Natural Gas ³	Gallons = Fuel Oil & Propane
Annual: \$9.4 Million	268,302	Annual: 32,450 Tons	Annual: 467,776	Annual: -5.3 Million	Annual: 1,838 Thousand	Annual: 2,281 Thousand
Lifetime: \$159.0 Million		Lifetime: 601,084 Tons	Lifetime: 8,785,819	Lifetime: -179 Million	Lifetime: 34,239 Thousand	Lifetime: 45,104 Thousand

2024 COMMERCIAL & INDUSTRIAL PROGRAM SAVINGS

Annual: \$30.0 Million	3,846	Annual: 66,038 Tons	Annual: 765,929	Annual: 111.9 Million	Annual: 3,471 Thousand	Annual: 226 Thousand
Lifetime: \$249.2 Million		Lifetime: 590,142 Tons	Lifetime: 7,168,752	Lifetime: 883 Million	Lifetime: 36,555 Thousand	Lifetime: 3,282 Thousand

2024 COMBINED RESIDENTIAL AND COMMERCIAL & INDUSTRIAL SAVINGS

Annual: \$39.4 Million	272,148	Annual: 98,488 Tons	Annual: 1,233,705	Annual: 106.5 Million	Annual: 5,309 Thousand	Annual: 2,508 Thousand
Lifetime: \$408.2 Million		Lifetime: 1,191,226 Tons	Lifetime: 15,954,571	Lifetime: 704 Million	Lifetime: 70,795 Thousand	Lifetime: 48,386 Thousand

1 Calculated in short tons.

2 Instances of a negative value are due to increased adoption of heat pumps in Connecticut.

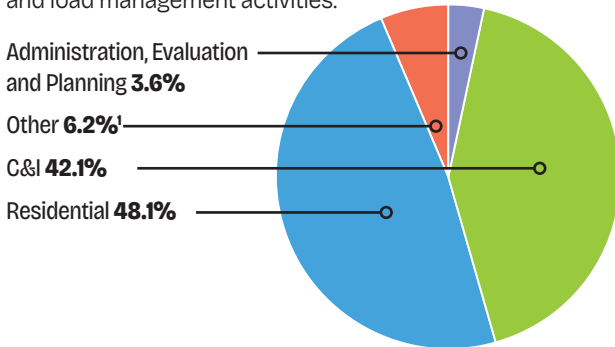
3 Includes electrification initiative savings in addition to natural gas (ccf) savings.

Totals may vary due to rounding.

Spending vs Budget

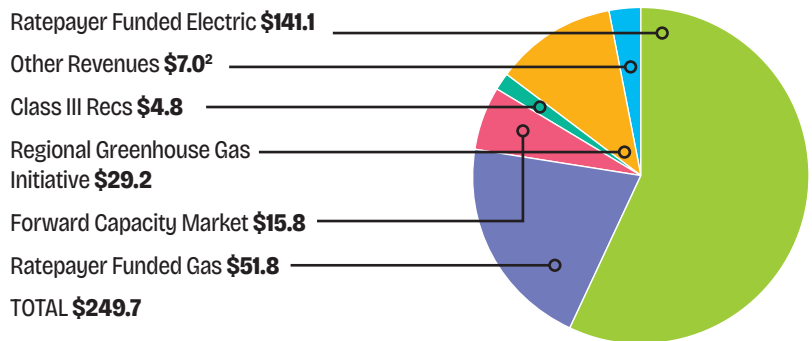
2024 EFFICIENCY PROGRAM SPENDING

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



2024 EFFICIENCY PROGRAM FUNDING

Funding for energy efficiency programs comes from many sources. Funding reflects 2024 revenues received in millions.



2024 Energy Efficiency Programs	2024 Actuals Electric	2025 Plan Electric	2024 Actuals Natural Gas	2025 Plan Natural Gas
RESIDENTIAL				
Residential Retail Products	\$ 3,049,319	\$ 2,403,261	\$ —	\$ —
Residential New Construction	5,956,430	5,310,249	1,691,959	772,425
Home Energy Solutions – Core Services	25,390,982	26,571,005	9,321,028	11,353,904
Home Energy Solutions – HVAC, Water Heaters	24,331,011	19,423,328	2,663,671	2,490,514
Home Energy Solutions – Income Eligible	18,973,853	22,535,153	13,257,446	12,963,912
Residential Behavior	232,483	500,000	314,658	819,954
Subtotal Residential	\$ 77,934,078	\$ 76,742,995	\$ 27,248,763	\$ 28,400,710
COMMERCIAL & INDUSTRIAL				
Energy Conscious Blueprint	\$ 21,227,962	\$ 18,817,496	\$ 7,552,289	\$ 8,031,434
Energy Opportunities	35,688,951	34,524,225	6,743,194	5,660,766
Business & Energy Sustainability (O&M, RCx, and PRIME)	3,158,047	3,349,971	1,606,497	1,825,311
Small Business	15,170,741	12,846,317	1,065,283	1,056,367
Subtotal C&I	\$ 75,245,701	\$ 69,538,009	\$ 16,967,262	\$ 16,573,878
EDUCATION, ENGAGEMENT & FINANCING				
Energy Education	\$ 1,333,224	\$ 1,702,730	\$ 325,209	\$ 431,998
Workforce Development	891,019	692,970	137,726	147,157
Community Outreach	1,007,489	1,286,864	202,096	300,030
Customer Engagement Initiative	425,407	493,220	90,474	170,000
Residential Loan Program (Includes ECLF and OBR)	1,135,548	984,994	119,942	151,095
C&I Financing Support	1,596,241	1,532,984	89,572	139,572
Research, Development & Demonstration	\$19,365	213,477	2,145	92,847
Subtotal Education, Engagement & Financing	\$ 6,408,293	\$ 6,907,239	\$ 967,164	\$ 1,432,698
LOAD MANAGEMENT				
Residential Demand Response	\$ 5,013,879	\$ 4,987,631	\$ 116,831	\$ 989,187
C&I Demand Response	4,545,560	3,840,998	197,800	328,518
Subtotal Load Management	\$ 9,559,440	\$ 8,828,630	\$ 314,631	\$ 1,317,705
ADMINISTRATIVE & PLANNING				
Administration	\$ 1,363,400	\$ 1,087,010	\$ 580,922	\$ 594,799
Marketing Plan	551,785	550,101	125,955	112,111
Planning	1,108,199	1,108,182	341,442	326,767
Evaluation Measurement and Verification	3,740,000	4,000,000	935,000	1,000,001
Evaluation Administrator	460,911	424,925	111,812	106,230
Information Technology	2,201,767	2,472,078	541,571	681,400
Energy Efficiency Board Consultants	749,261	746,360	179,539	186,589
Audits – Financial and Operational	70,000	84,000	18,528	30,000
Performance Management Incentive (PMI)	9,076,285	8,562,064	2,059,651	2,522,297
Admin/Planning Expenditures	\$ 19,321,607	\$ 19,034,719	\$ 4,894,419	\$ 5,560,194
TOTAL ENERGY EFFICIENCY BUDGET	\$ 188,469,118	\$ 181,051,592	\$ 50,392,239	\$ 53,285,185

1 Information technology, performance management incentive, Energy Efficiency Board consultants and audits.

Totals may vary due to rounding.

2 This includes ARPA funding.

Demonstrating Economic Benefits Throughout Connecticut

Town	Energy Incentives	Annual MMBtu	Lifetime MMBtu	Peak Demand kW	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Andover	\$ 69,137	321	4,932	7	\$ 11,737	\$ 152,075	28
Ansonia	\$ 495,933	2,999	44,927	31	\$ 80,737	\$ 885,882	226
Ashford	\$ 149,935	710	14,167	2	\$ 24,492	\$ 506,084	59
Avon	\$ 554,752	3,481	61,478	31	\$ 76,365	\$ 1,012,070	255
Barkhamsted	\$ 113,383	666	8,576	14	\$ 27,447	\$ 269,396	60
Beacon Falls	\$ 148,551	1,123	21,123	14	\$ 31,854	\$ 488,110	88
Berlin	\$ 1,248,429	9,369	80,707	521	\$ 536,449	\$ 3,502,063	959
Bethany	\$ 640,579	4,126	53,284	105	\$ 198,247	\$ 1,973,562	393
Bethel	\$ 750,905	5,319	81,365	90	\$ 158,240	\$ 2,013,107	398
Bethlehem	\$ 86,223	747	15,376	—	\$ 19,405	\$ 400,139	50
Bloomfield	\$ 1,953,742	7,899	80,822	211	\$ 164,484	\$ —	550
Bolton	\$ 149,806	1,040	19,255	12	\$ 30,354	\$ 435,687	84
Branford	\$ 1,267,832	4,742	68,725	145	\$ 175,037	\$ 1,803,477	409
Bridgeport	\$ 3,514,887	30,382	342,671	472	\$ 1,505,122	\$ 12,937,976	2,881
Bridgewater	\$ 56,925	329	6,685	—	\$ 7,465	\$ 150,772	23
Bristol	\$ 3,497,649	33,364	341,126	1,097	\$ 1,573,415	\$ 13,630,479	3,128
Brookfield	\$ 581,785	5,036	64,944	142	\$ 257,155	\$ 2,844,055	486
Brooklyn	\$ 190,189	782	14,185	5	\$ 24,481	\$ 413,980	64
Burlington	\$ 207,568	1,613	28,837	15	\$ 47,685	\$ 754,807	121
Canaan	\$ 41,769	227	4,895	—	\$ 3,730	\$ 75,557	16
Canterbury	\$ 146,462	1,111	11,194	32	\$ 64,742	\$ 539,346	114
Canton	\$ 397,798	3,044	51,219	30	\$ 81,205	\$ 1,007,662	241
Chaplin	\$ 119,784	692	11,727	3	\$ 17,561	\$ 281,910	42
Cheshire	\$ 2,652,747	21,250	336,606	298	\$ 815,800	\$ 10,415,770	1,834
Chester	\$ 206,781	1,784	26,825	25	\$ 75,483	\$ 944,510	165
Clinton	\$ 658,478	4,212	57,786	84	\$ 169,587	\$ 1,772,636	365
Colchester	\$ 310,616	1,632	29,983	5	\$ 41,511	\$ 678,304	125
Colebrook	\$ 25,061	296	3,631	6	\$ 12,793	\$ 113,523	27
Columbia	\$ 162,922	919	16,503	10	\$ 33,757	\$ 566,384	80
Cornwall	\$ 79,998	572	11,026	—	\$ 10,540	\$ 201,889	39
Coventry	\$ 266,710	1,563	27,577	13	\$ 45,238	\$ 650,022	123
Cromwell	\$ 338,957	2,720	48,248	38	\$ 76,095	\$ 1,171,959	197
Danbury	\$ 2,016,143	15,881	180,335	322	\$ 516,971	\$ 4,983,887	1,282
Darien	\$ 642,674	4,988	85,819	12	\$ 122,415	\$ 1,437,932	379
Deep River	\$ 133,692	1,108	17,889	25	\$ 46,078	\$ 650,347	97
Derby	\$ 1,173,041	4,295	51,295	35	\$ 176,213	\$ 1,814,394	377
Durham	\$ 342,046	2,680	42,295	70	\$ 101,673	\$ 1,407,953	231
East Granby	\$ 244,552	2,214	28,912	58	\$ 79,519	\$ 717,000	187
East Haddam	\$ 283,326	1,595	24,775	59	\$ 63,264	\$ 793,077	139
East Hampton	\$ 598,065	2,680	44,898	55	\$ 99,272	\$ 1,390,748	225



CASE STUDY

Nuovo Pasta Productions, Ltd. | Stratford, Connecticut

For over 30 years, Nuovo Pasta Productions, Ltd. (Nuovo) has been a leading national producer of premium refrigerated pasta and sauce. Nuovo strives to create a contemporary culinary experience by following a traditional age-old method of making fresh pasta and pesto sauces made famous in the regions surrounding Genoa, Italy. Between 2023-2024, Nuovo partnered with United

Illuminating and SCG to install process chiller plants at its two Stratford, Connecticut facilities which they use in their pasta manufacturing process. Chillers provide mechanical cooling for commercial, institutional, and industrial facilities for HVAC systems and process cooling loads.

Together, the two new process chiller plants are estimated to save Nuovo over \$89,433 annually and \$1.3 million over the lifetime of the measures.



Town	Energy Incentives	Annual MMBtu	Lifetime MMBtu	Peak Demand kW	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
East Hartford	\$ 2,618,250	20,946	272,604	756	\$ 940,716	\$ 8,356,796	1,910
East Haven	\$ 617,749	4,249	72,586	26	\$ 120,129	\$ 1,652,257	329
East Lyme	\$ 1,039,593	4,898	88,969	65	\$ 162,385	\$ 2,942,889	400
East Windsor	\$ 673,532	4,834	55,742	131	\$ 253,628	\$ 2,349,957	474
Eastford	\$ 67,271	351	6,936	7	\$ 15,268	\$ 291,825	30
Easton	\$ 89,838	990	19,605	—	\$ 24,424	\$ 511,815	74
Ellington	\$ 356,419	2,410	38,030	35	\$ 66,818	\$ 844,124	186
Enfield	\$ 1,212,164	7,353	102,279	182	\$ 269,223	\$ 2,637,876	626
Essex	\$ 444,159	2,530	41,480	34	\$ 76,851	\$ 1,025,816	206
Fairfield	\$ 2,211,648	62,181	442,926	84	\$ 796,599	\$ 5,844,351	3,827
Farmington	\$ 2,314,302	21,462	271,401	503	\$ 850,908	\$ 8,627,239	1,877
Franklin	\$ 41,773	369	5,072	8	\$ 18,192	\$ 211,631	36
Glastonbury	\$ 740,250	4,795	79,230	57	\$ 123,311	\$ 1,432,443	362
Goshen	\$ 140,656	1,041	20,869	—	\$ 22,581	\$ 442,486	72
Granby	\$ 329,145	2,062	35,825	6	\$ 54,958	\$ 816,788	158
Greenwich	\$ 1,272,612	5,575	82,784	93	\$ 127,382	\$ 754,282	389
Griswold	\$ 159,924	843	16,382	6	\$ 26,592	\$ 498,060	70
Groton	\$ 2,072,516	23,305	213,777	137	\$ 397,297	\$ 3,204,027	1,524
Guilford	\$ 1,189,932	6,498	110,903	180	\$ 208,917	\$ 3,112,121	536
Haddam	\$ 502,003	2,032	38,365	14	\$ 62,376	\$ 1,142,928	155
Hamden	\$ 1,776,550	11,814	141,060	122	\$ 557,927	\$ 5,235,861	1,107
Hampton	\$ 37,032	162	2,993	1	\$ 3,777	\$ 65,357	12
Hartford	\$ 3,681,654	30,487	302,248	722	\$ 1,162,391	\$ 10,129,958	2,586
Hartland	\$ 39,107	275	5,908	1	\$ 5,490	\$ 109,467	20
Harwinton	\$ 131,738	2,321	37,219	7	\$ 34,984	\$ 528,157	152
Hebron	\$ 238,095	1,487	25,920	15	\$ 45,599	\$ 721,333	124
Kent	\$ 106,687	665	12,754	3	\$ 16,636	\$ 299,380	51
Killingly	\$ 1,561,162	23,403	348,065	85	\$ 313,928	\$ 4,486,645	1,455
Killingworth	\$ 167,460	1,077	20,629	1	\$ 18,213	\$ 343,044	77
Lebanon	\$ 108,151	681	11,078	2	\$ 21,461	\$ 285,407	56
Ledyard	\$ 636,051	8,447	73,299	47	\$ 157,796	\$ 1,555,668	573
Lisbon	\$ 70,631	237	4,380	2	\$ 8,129	\$ 141,441	20
Litchfield	\$ 480,606	2,886	41,302	73	\$ 108,044	\$ 1,143,661	250
Lyme	\$ 80,684	429	8,941	1	\$ 11,828	\$ 255,105	34
Madison	\$ 1,009,409	3,287	61,008	21	\$ 57,979	\$ 1,037,872	234
Manchester	\$ 2,336,252	3,405	18,869	271	\$ 63,670	\$ 2,012,838	238
Mansfield	\$ 1,103,109	9,738	91,325	181	\$ 491,950	\$ 4,199,015	941
Marlborough	\$ 239,137	1,925	31,718	15	\$ 48,082	\$ 686,864	132
Meriden	\$ 2,010,118	12,563	185,787	255	\$ 444,586	\$ 5,267,354	1,048
Middlebury	\$ 218,096	1,665	34,500	9	\$ 45,200	\$ 916,812	122
Middlefield	\$ 160,349	1,236	22,432	7	\$ 35,950	\$ 556,097	94
Middletown	\$ 2,612,567	23,144	287,941	560	\$ 850,855	\$ 9,290,950	1,946
Milford	\$ 2,147,442	12,989	153,790	249	\$ 557,015	\$ 4,575,379	1,168
Monroe	\$ 496,995	3,675	61,284	55	\$ 123,852	\$ 1,761,142	301
Montville	\$ 596,878	8,938	81,098	84	\$ 198,127	\$ 2,046,938	635



CASE STUDY

The Congregational Church of Salisbury, United Church of Christ | Salisbury, Connecticut

The Congregational Church has a deep commitment to sustainability and its Board of Christian Action has been long engaged in “greening” the products used by the congregation and transitioning to more eco-friendly materials. Recently, the church leadership decided to form a dedicated Green Task Force to further explore efficiency upgrades to improve the church’s carbon footprint. An approved contractor installed LEDs, replaced two boilers with air source heat pumps, and

installed a heat pump water heater. These retrofits eliminated the church’s dependence on fossil fuels, reducing its annual oil usage by 3,661 gallons and lifetime oil usage by 54,925 gallons. The church worked with the town’s Historic District Commission to install efficient technology that does not infringe on the building’s original design or appearance. The Task Force’s efforts ensure that the church will be a comfortable gathering space for generations to come.



Demonstrating Economic Benefits Throughout Connecticut

Town	Energy Incentives	Annual MMBtu	Lifetime MMBtu	Peak Demand kW	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Morris	\$ 91,038	558	9,785	2	\$ 13,789	\$ 230,969	35
Naugatuck	\$ 1,379,691	5,705	89,320	78	\$ 139,890	\$ 2,002,991	418
New Britain	\$ 2,283,306	16,382	193,575	657	\$ 900,421	\$ 9,765,797	1,645
New Canaan	\$ 700,309	5,136	98,307	25	\$ 98,371	\$ 1,738,648	374
New Fairfield	\$ 294,180	1,772	33,226	2	\$ 38,175	\$ 677,949	128
New Hartford	\$ 211,964	1,778	27,178	43	\$ 68,741	\$ 808,854	155
New Haven	\$ 8,168,015	57,491	825,512	285	\$ 1,413,189	\$ 14,077,808	4,160
New London	\$ 2,609,945	20,812	191,505	565	\$ 1,143,445	\$ 8,938,712	2,083
New Milford	\$ 674,163	4,323	73,180	76	\$ 132,552	\$ 1,802,363	353
Newington	\$ 2,033,340	12,237	166,206	408	\$ 689,890	\$ 8,586,742	1,250
Newtown	\$ 1,088,884	7,611	134,251	158	\$ 213,083	\$ 2,846,189	597
Norfolk	\$ 143,614	978	15,505	12	\$ 23,656	\$ 276,908	75
North Branford	\$ 567,955	4,799	70,172	19	\$ 90,989	\$ 1,120,000	323
North Canaan	\$ 69,875	423	7,853	3	\$ 11,615	\$ 191,162	30
North Haven	\$ 966,924	9,107	93,461	194	\$ 382,457	\$ 3,265,441	807
North Stonington	\$ 88,831	548	10,187	1	\$ 14,280	\$ 261,669	43
Norwalk	\$ 1,869,312	13,596	161,626	187	\$ 525,103	\$ 4,798,785	1,180
Old Lyme	\$ 467,245	2,699	50,368	7	\$ 69,362	\$ 1,212,029	199
Old Saybrook	\$ 807,964	4,487	68,385	64	\$ 132,006	\$ 1,465,977	360
Orange	\$ 598,453	4,224	51,806	98	\$ 207,476	\$ 2,037,254	404
Oxford	\$ 874,294	4,332	70,577	35	\$ 164,731	\$ 2,465,252	366
Plainfield	\$ 436,564	2,361	31,259	119	\$ 121,135	\$ 1,314,620	232
Plainville	\$ 723,432	9,281	139,780	119	\$ 209,691	\$ 2,357,115	654
Plymouth	\$ 435,046	2,488	39,749	24	\$ 50,091	\$ 635,550	178
Pomfret	\$ 124,114	676	10,167	18	\$ 26,555	\$ 329,013	58
Portland	\$ 349,095	1,605	28,619	20	\$ 47,204	\$ 709,771	127
Preston	\$ 170,101	689	12,702	7	\$ 23,901	\$ 390,897	57
Prospect	\$ 239,425	2,341	27,206	78	\$ 119,536	\$ 1,074,828	229
Putnam	\$ 440,249	3,719	48,238	108	\$ 201,070	\$ 2,257,138	372
Redding	\$ 285,871	2,263	38,193	8	\$ 58,255	\$ 771,185	177
Ridgefield	\$ 1,276,937	8,952	139,908	107	\$ 236,402	\$ 3,600,800	692
Rocky Hill	\$ 503,838	3,948	43,038	134	\$ 190,085	\$ 1,528,247	373
Roxbury	\$ 65,211	501	9,853	—	\$ 12,532	\$ 248,271	32
Salem	\$ 215,774	1,646	18,160	40	\$ 86,067	\$ 743,968	163
Salisbury	\$ 277,764	3,035	42,933	3	\$ 77,879	\$ 1,106,356	240
Scotland	\$ 49,943	201	4,005	2	\$ 8,153	\$ 153,278	18
Seymour	\$ 442,512	2,605	40,879	52	\$ 91,621	\$ 1,103,642	219



CASE STUDY

Joy Temple Church of Christ in Prayer, Inc. New Haven, Connecticut

Joy Temple Church is a faith-based organization serving the spiritual and community needs of New Haven, Connecticut, and the surrounding areas. As a nonprofit, the church wanted to reduce its operating costs so they could redirect those funds toward their mission of serving the community, spiritually and practically. Additionally, the church wanted to modernize its facilities and create a more comfortable, efficient environment for members and visitors.

When the New Haven Community Partnership, who received an Energize CT Community Partnership grant to promote the SBEA program, approached them, Joy Temple Church readily agreed to participate. An SBEA contractor upgraded the church's inefficient lighting to LEDs with sensors, installed faucet aerators and pipe insulation to reduce hot water consumption, and replaced non-LED exit signs with LEDs. The project is estimated to save Joy Temple Church \$580 a year and \$5,800 over the 10-year lifetime of the measures.



Town	Energy Incentives	Annual MMBtu	Lifetime MMBtu	Peak Demand kW	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Sharon	\$ 114,080	775	14,359	—	\$ 13,144	\$ 226,862	55
Shelton	\$ 1,014,925	8,174	89,735	105	\$ 288,396	\$ 3,245,965	673
Sherman	\$ 96,914	717	13,042	—	\$ 14,714	\$ 262,424	52
Simsbury	\$ 517,318	3,334	56,408	32	\$ 71,927	\$ 906,308	249
Somers	\$ 341,636	2,717	34,718	60	\$ 120,462	\$ 1,222,012	252
South Windsor	\$ 899,994	7,107	101,185	105	\$ 175,885	\$ 1,700,994	525
Southbury	\$ 760,579	3,148	56,759	34	\$ 99,797	\$ 1,745,942	256
Southington	\$ 2,187,656	16,092	221,439	351	\$ 539,581	\$ 5,763,602	1,300
Sprague	\$ 68,129	290	5,947	2	\$ 7,460	\$ 151,907	22
Stafford	\$ 374,673	1,098	20,763	15	\$ 40,870	\$ 707,485	97
Stamford	\$ 5,613,839	41,327	542,984	1,235	\$ 1,474,458	\$ 17,379,992	3,444
Sterling	\$ 118,095	732	11,291	3	\$ 14,978	\$ 200,757	55
Stonington	\$ 1,544,567	7,903	122,756	81	\$ 264,888	\$ 3,403,301	645
Stratford	\$ 2,547,443	19,233	197,500	189	\$ 1,050,238	\$ 8,671,637	1,923
Suffield	\$ 533,443	3,011	46,859	31	\$ 94,632	\$ 1,106,321	247
Thomaston	\$ 325,703	3,975	49,301	139	\$ 213,404	\$ 2,222,148	388
Thompson	\$ 368,606	2,105	29,216	38	\$ 87,677	\$ 1,174,893	194
Tolland	\$ 301,451	2,354	37,182	35	\$ 76,497	\$ 918,865	196
Torrington	\$ 1,832,750	11,464	158,990	241	\$ 401,495	\$ 4,088,665	914
Trumbull	\$ 248,864	3,101	58,144	20	\$ 88,193	\$ 1,338,176	241
Union	\$ 20,938	105	2,022	1	\$ 4,601	\$ 96,737	10
Vernon	\$ 1,015,612	7,002	105,070	137	\$ 300,200	\$ 3,826,161	631
Voluntown	\$ 56,561	304	6,040	1	\$ 8,175	\$ 150,557	22
Wallingford	\$ 157,196	2,486	22,156	1	\$ 23,518	\$ 212,121	145
Warren	\$ 70,811	592	11,020	1	\$ 10,966	\$ 157,010	44
Washington	\$ 85,974	644	10,596	1	\$ 13,681	\$ 183,720	47
Waterbury	\$ 4,800,622	34,961	423,667	1,118	\$ 1,595,430	\$ 15,082,069	3,220
Waterford	\$ 686,747	4,402	69,574	90	\$ 155,277	\$ 2,128,409	377
Watertown	\$ 1,629,351	11,684	141,033	319	\$ 600,145	\$ 6,131,129	1,144
West Hartford	\$ 1,731,122	10,962	118,222	318	\$ 385,033	\$ 1,863,209	918
West Haven	\$ 888,906	10,363	126,437	184	\$ 564,213	\$ 5,840,680	1,034
Westbrook	\$ 238,883	1,303	21,285	18	\$ 44,891	\$ 580,042	108
Weston	\$ 414,321	2,314	48,030	—	\$ 26,832	\$ 560,540	158
Westport	\$ 1,010,173	4,887	89,600	38	\$ 73,105	\$ 1,070,775	334
Wethersfield	\$ 566,833	2,899	39,660	84	\$ 109,220	\$ 879,703	250
Willington	\$ 118,735	536	9,595	7	\$ 19,271	\$ 328,600	47
Wilton	\$ 607,893	4,703	84,131	55	\$ 115,506	\$ 1,827,177	359
Winchester	\$ 621,507	6,919	66,319	333	\$ 407,538	\$ 3,128,429	722
Windham	\$ 908,271	5,241	67,694	251	\$ 231,432	\$ 2,560,880	476
Windsor	\$ 1,402,388	12,409	129,778	379	\$ 676,073	\$ 5,781,149	1,245
Windsor Locks	\$ 1,625,208	15,990	176,467	296	\$ 542,114	\$ 4,675,340	1,295
Wolcott	\$ 443,004	2,304	40,845	6	\$ 65,096	\$ 1,016,118	174
Woodbridge	\$ 119,989	1,312	23,463	16	\$ 48,984	\$ 724,101	113
Woodbury	\$ 287,840	1,610	31,859	5	\$ 36,333	\$ 722,082	118
Woodstock	\$ 213,732	1,206	22,042	6	\$ 38,104	\$ 692,705	100



CASE STUDY

Keeney Elementary School | Manchester, Connecticut

Keeney Elementary School is setting a new standard for sustainability through the Energize CT Path 1 Zero Net Energy program. This 57,300-square-foot, all-electric building operates as a net zero energy school, incorporating high efficiency upgrades such as geothermal heat pumps with energy recovery ventilation, a water-source heat pump for hot water, and above-code insulation. Optimized for maximum

efficiency, the school has demonstrated a projected Energy Use Intensity (EUI) of just 15.9 during the initial months of its opening school year—well below the 65 EUI baseline for K-12 schools. Supported by \$197,330 in net zero energy incentives, Keeney's Eversource project team will monitor energy performance over the next year to ensure it meets its ambitious energy goals.



Board Members, Designees, & Company Representatives

Anthony Kosior
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Chamber of Commerce
Yale University
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*Elected Chair in
September 2023*



ENERGY EFFICIENCY BOARD

Promoting economic development, environmental benefits, and energy security through the efficient use of energy.

Energy efficiency programs and services are marketed under the statewide brand, Energize Connecticut, and provided by Eversource, UI, CNG, and SCG. The Board's members are drawn from private and public entities and represent a cross section of energy consumers including residents, businesses, nonprofits, communities, and municipalities. The Board is assisted by consultants who are experts in their respective fields. The Board assists and advises the Companies throughout the year via participation in various committees and as a whole. The Board also collaborates and cooperates with the energy efficiency programs of the Connecticut Municipal Electric Energy Cooperative and the Wallingford Electric Division.



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At the conclusion of 2024, there were only 18 Board members.

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