

Save Money & Energy

**EVERSOURCE**

# Energy Efficiency Opportunities for Municipalities

# Eversource at a Glance

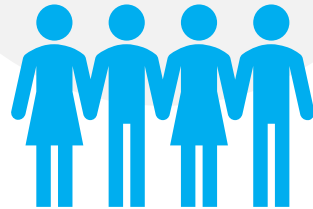


3 STATES

Largest energy  
company in  
New England

Servicing electric,  
natural gas, &  
water

4M CUSTOMERS

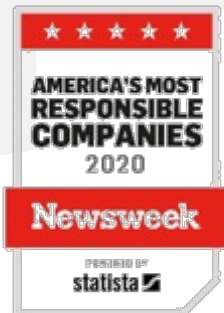


8,300  
EMPLOYEES

Across all three  
states

\$700m+ annual  
energy efficiency  
investment

#1 ENERGY  
EFFICIENCY  
PROVIDER IN THE  
NATION





# Empowering Connecticut to Make Smart Energy Choices



Eversource, CNG, SCG and UI, the Energy Efficiency Board, Connecticut Green Bank, and the State have united on a shared mission - to provide Connecticut residents and businesses the resources they need to **save money and use clean energy**.

The Energize Connecticut initiative empowers our communities to make smart energy choices, now and in the future.



# Agenda

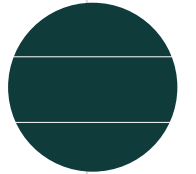
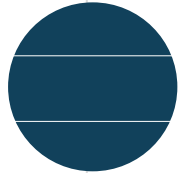
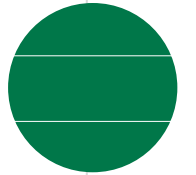
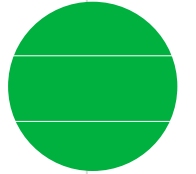
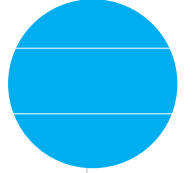
MUNICIPAL CUSTOMER RETROFIT PROGRAMS

MUNICIPAL CUSTOMER INCENTIVES

CASE STUDY

ADDITIONAL RESOURCES FOR MUNICIPALITIES

QUESTIONS



A background image of an office with several people working at desks with computers. The image is overlaid with a solid blue color.

# Municipal Customer Retrofit Programs

# Retrofit Measures for Municipal Customers

Energy-  
Efficient  
Lighting

Lighting  
Controls

Energy  
Management  
Systems  
(EMS)

Process  
Equipment

Variable  
Frequency  
Drives (VFD)

HVAC

Refrigeration  
Controls

Gas/Delivered Fuels  
Measures

# Lighting Incentives



**STANDARD  
LIGHTING**

LED

25%-\$0.25/kWh /\$1,000/kW



**ENHANCED  
PERFORMANCE**

LED w/ Lighting Controls

45%-\$0.45/kWh /\$1,000/kW



**HIGH  
PERFORMANCE**

Networked Lighting Controls System

65%-\$0.65/kWh /\$1,000/kW

# Energy Efficiency Gas Measures



## NEW EQUIPMENT

Boilers  
Rooftop units  
(RTU's)  
Hot Water Heaters



## CONTROLS

EMS Upgrades



## HEAT RECOVERY

Steam Trap  
Repairs  
Pipe Insulation



## BUILDING ENVELOPE

Windows  
Insulation



The background is a blue-tinted image of a person's hands. One hand holds a pen, pointing it at a document. The document features a candlestick chart with volume bars. The chart has a vertical axis on the left ranging from 400 to 600 and a vertical axis on the right ranging from 1250 to 1750. The horizontal axis shows dates from 1st Nov to 1st Dec. A legend on the right side of the chart identifies the elements: Volume (blue bars), Opening price (white box), High price (top of box), Low price (bottom of box), and Closing price (black box).

# Municipal Customer Incentives & Financing

# Incentive Structure

More measures = more savings = greater incentives

<b>Total Comprehensive Incentive</b>	65% of project cost up to \$6.00/CCF, \$8.00/Gal Oil, \$6.00/Gal Propane PLUS (greater of) \$0.65 / kWh OR \$1,000 / summer peak kW
<b>Multi End Use</b>	50% of project cost up to \$5.00/CCF, \$7.00/Gal Oil, \$5.00/Gal Propane PLUS (greater of) \$0.50 / kWh OR \$1,000 / summer peak kW
<b>Non-Lighting Single End Use</b>	40% of project cost up to \$4.00/CCF, \$6.00/Gal Oil, \$4.00/Gal Propane PLUS (greater of) \$0.4 / kWh OR \$1,000 / summer peak kW

# Express & Midstream Incentives



## Midstream

- Instant discount at the counter/point-of-sale.
- Products must be installed within 60 days of purchase, and purchases must meet the Minimum Customer Contribution (MCC) amount to qualify.
- Changes to the incentive amounts may occur mid-year.



## Downstream (Express)

- Rebate turnaround time about 45 days from completed application.
- Failure to obtain pre-approval will result in the applicant not qualifying or receiving a lower rebate amount.
- Rebates may be capped depending on material cost.
- Changes to the incentive amounts may occur mid-year.

# C&I New Construction/Major Renovation Program Pathways



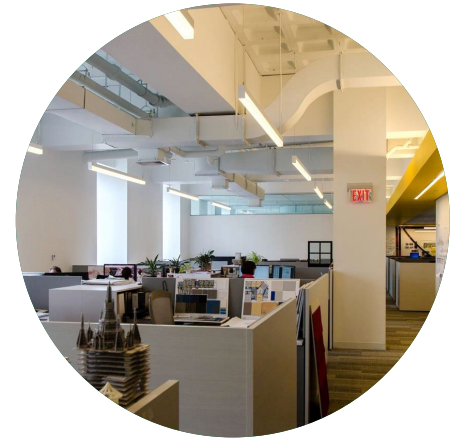
Path 1: Net Zero & Low EUI Buildings



Path 2: Whole Building EUI Reduction Approach



Path 3: High Performance Buildings



Path 4: Systems – Prescriptive and Limited Custom

Low EUI\* Pathways

Prescriptive Pathways

\*EUI = Energy Use Intensity or annual energy use in kBtu divided by square footage

# Path 1: Net Zero/Deep Energy Savings

(Best Option for Project Teams Interested in Lowest Energy and Carbon)

## INTENT:

Low Energy Use Intensity and low carbon buildings

Net Zero Ready buildings (solar not required to participate)

*Early engagement with Program Sponsors is critical* – feasibility/conceptual design

## KEY PROGRAM DRIVERS

Project team sets a target very early in design/feasibility (25 EUI is default)

Design, build and operate to achieve the target. Final incentives based on operating EUI

## NET ZERO TECHNICAL SUPPORT

We bring in an expert to help the team succeed. Services include load reduction analysis, HVAC system selection support and more.



## ACTON-BOXBOROUGH DOUGLAS-GATES ELEMENTARY SCHOOL

Opening Fall 2022 | All electric | 23.1 EUI predicted

# Municipal Customer Financing: \$5,000,000 rolling fund

(0%) Maximum 48 Months On-Bill



**SBEA:** \$500 to \$100,000 (0%) Max 48 Months on-bill



**BEA:** \$100,000 (0% by reducing incentive) Max 48 Months on-bill, 60 months off-bill



**BOA PURA Loan:** \$1M and over. Max 120 months, 1% below customer prime rate



**C-Pace:** Financing is repaid through an assessment that is placed on a building owner's property that stays with the property



A photograph of an office interior with several people working at desks with computers. The image is covered with a semi-transparent blue overlay. The text 'Case Study' is centered in white.

# Case Study

# Case Study – Municipal Customer Project

## 6 Buildings (Comprehensive Approach)

- Enhanced Lighting
- Transformers
- Faucet Aerators
- VFD Hot Water Pumps

Annual kWh Savings: 2,131,600

Annual ccf Savings: 5,685

## Incentives

- Individual Incentives: \$881,106
- Comprehensive Incentive: \$504,433
- Total Incentive: \$1,385,540





# Additional Resources for Municipalities

# Benchmarking Resources for Municipal Customer Buildings

Benchmarking is understanding the entire scale of your energy usage. This is especially useful when looking at multiple sites.

Eversource partners with UCONN to bring the EPA Portfolio Manager tool to our municipal customers.

This partnership entitles participating municipalities with energy tracking, a benchmark score, strategic energy management support, recognition for your efforts, and more.





# Technical Assistance Studies

Do you have an energy efficiency or electrification project in mind, but unsure where to start?

Eversource offers multiple types of technical Assistance to help customers make an energy efficiency road map including:

- Co-share costs
- Approved engineering firms
- Neutral recommendations



# Retro Commissioning

Retro Commissioning (RCx) is the systematic approach for investigating, analyzing and optimizing the performance of building systems through operational and maintenance improvement measures and ensuring their continued performance over time.

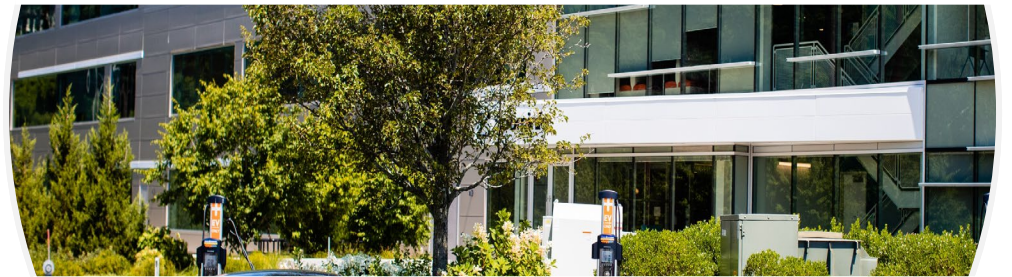
Translation- “Get the most out of your BMS/HVAC system every day”



# Electric Vehicle Charging

Bringing EV Charging to your town can open economic opportunities, increase equity and help the environment.

EV charging rebates became available on January 1, 2022 for projects large and small, with rebate amounts up to \$250,000 for some projects.





# Energize Connecticut Community Partnership Initiative

The Partnership seeks to leverage the local knowledge, trusted relationships and experience of local community groups, nonprofit organizations, and municipalities who are committed to raise awareness and measurable participation in the Sponsors' energy efficiency offerings within their own communities.

Round 1 is currently underway in the following Connecticut communities:

- Bethel
- Branford
- Hamden
- Middletown
- New London
- Waterbury
- West Hartford
- Wilton

Details on Round 2 coming soon.



# Waterbury's Home Energy Action Campaign

- Round 1 Community Partnership Initiative participants
- Led by Clean Water Action, Neighborhood Housing Services of Waterbury with support from the City of Waterbury
- Goal of increasing participation in Home Energy Solutions and Home Energy Solutions-Income Eligible across Waterbury





# Home Energy Solutions

- Assessment and service that treats the home as a system to:
  - Increase efficiency
  - Optimize comfort
- Available to all qualifying homeowner & rental customers for a \$50 copay
- No copay for income eligible
- Find out more at [EnergizeCT.com](https://www.energizeCT.com) or call 1-877-WISE USE (877-947-3873) to sign up





# Small Business Energy Advantage

- **Financial Incentives** to reduce upfront investments
- **0% on-bill financing** for balance of the selected measures\*
- **Ease of Use** with a turnkey approach and utility-qualified contractors
- Find out more at [EnergizeCT.com](https://energizect.com)
- Email [SBEACT@Eversource.com](mailto:SBEACT@Eversource.com) or call 1-877-WISE USE (877-947-3873) to sign up

\*Restrictions do apply to accounts carrying balances, late payments, or new accounts



EMPOWERING

A CLEAN

EVERSOURCE

Questions

FUTURE

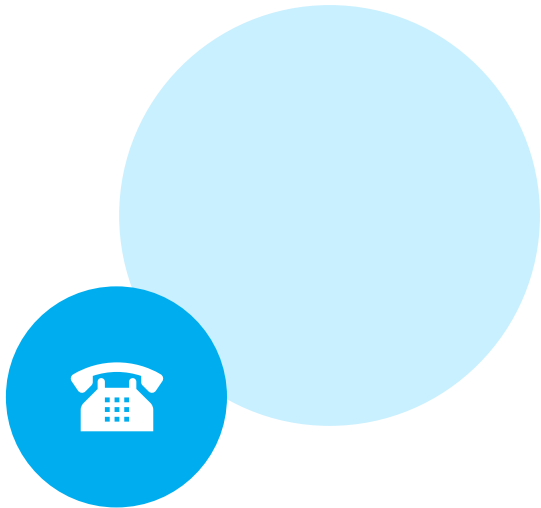


## Devan Willemsen

Marketing Specialist –

Community Engagement, Energy Efficiency

[Devan.Willemsen@eversource.com](mailto:Devan.Willemsen@eversource.com)

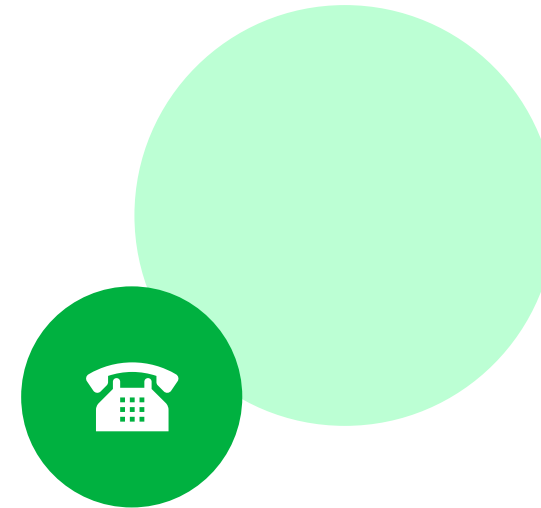


## Justin Bevis

Energy Efficiency Sales Executive

Western Municipalities

[Justin.Bevis@eversource.com](mailto:Justin.Bevis@eversource.com)





**EVERSOURCE**

**Thanks**  
**for listening.**

