

# Connecticut's Commercial and Industrial Energy Efficiency Programs

Resources for

**CT GBC Members**

Presented By:  
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**Connecticut  
Light & Power**

The Northeast Utilities System



[www.CTEnergyInfo.com](http://www.CTEnergyInfo.com)



*The United Illuminating Company*



Service First!



The Northeast Utilities System

Connecticut's Energy Efficiency Programs are funded by a Charge on Customer energy bills.  
The Programs are designed to help customers manage their energy usage and cost.



# Agenda

- Objective – Energy Efficiency In Connecticut
- Conservation & Load Management Programs
  - Commercial & Industrial
  - Residential & Multifamily
- Benefits for You and Your Clients
- How Do You Get Involved?
- Tools and Resources
- Questions?



# Conservation & Load Management Program Objectives

- Advance the efficient use of energy
- Reduce air pollution, carbon emissions and negative environmental impacts
- Promote economic development and energy security





# Commercial & Industrial (C&I) Programs

- New Construction / Major Renovation
  - Energy Conscious Blueprint
- Existing Buildings/Retrofit
  - Energy Opportunities
- Small Business Retrofit
  - Small Business Energy Advantage
- Operations and Maintenance



# New Construction/Major Renovation Program



- Integrated Design Process
- Energy Conscious Blueprint Program
  - Prescriptive Rebates/Incentives
    - Rebates: CoolChoice, MotorUp, Gas food service equipment
    - General lighting\*, Occupancy Sensors
    - Caps apply to VFD's, pool covers, window glazing, cool roofs, air compressors
  - Custom incentives
    - 95% of incremental cost

\*Lighting projects use watts/sq.ft. calculations relative to ASHRAE 90.1-2004 baselines



# Retrofit Program

- Focused studies to identify system opportunities
- Energy Opportunities Program
  - Prescriptive Rebates/Incentives
    - Lighting Incentives\*
      - “Cool Choice, MotorUp, Express Lighting Rebates
  - Custom Incentives
    - Covers up to 40% of the installed cost
    - LED or induction lighting - up to 50% of installed cost

\*Lighting projects use watts/sq.ft. calculations relative to ASHRAE 90.1-2004 baselines



# Comprehensive Initiative

- Must have energy savings from at least 2 electric end uses and 2 measures
- Lesser of:
  - 50% installed cost (electric portion only)
  - Buy-down of project to 2–year payback based on customer electric metered savings
  - Energy savings caps of up to \$0.50/annual kWh + \$700.00/summer peak kW combined (see example)
- Additional Comprehensive incentives for firm gas customers:
  - 10% added to all qualifying gas measures (unless capped at Utility energy savings caps)



# Small Business Energy Advantage (SBEA)

- Business customers with a demand less than **150 kW** per month (UI) or **200 kW** per month (CL&P)
- Turnkey service
- Incentives
  - Up to 40% of installed cost
  - LED or induction lighting - up to 50% of installed cost
  - Interest-free financing options



# Operations & Maintenance (O&M) Program

- Improve efficiency through operational changes/repairs
- NOT for normal preventive maintenance, repetitive procedures or major equipment purchases
- Philosophy
  - Operations manuals, maintenance manuals and forms
  - Training
  - Continuous improvement
- Incentives available
  - Up to 40% of the cost



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# O&M Retro-Commissioning (RCx)

- Improve the operation of ***existing*** facilities without installing capital equipment through technical, engineering and implementation support
- Requires minimum facility size of 100,000 sq.ft.
- Requires fully functioning Direct Digital Control (DDC) Energy Management System (EMS) that can conduct trending & reporting



# PRIME

- Targets manufacturing/industrial customers
- Increased productivity reduces per-unit energy usage through Lean manufacturing techniques and Kaizen process
- Events facilitated by approved lean consultant
- Benefits include:
  - Increased productivity
  - Reduced waste (material, time, transportation)
  - Reduced inventory requirements
- Incentives:
  - Events 1 and 2 =100%
  - Events 3 and 4 =50%



# Business Sustainability Challenge

- Pilot program
- Provide resources, training, guidance and structure to help integrate energy management, carbon management and sustainability into a business strategy and plan
- Focus on continuous improvement, behavior and culture change
- Incorporates allied programs into action plan: CEEF, CCEF, ENERGY STAR®, LEED, etc.



# Residential Programs

- Products and Programs:
  - Retail Products
    - Discounted ENERGY STAR CFLs
    - CT-ARP Rebate
  - Residential New Construction
    - Zero Energy Challenge
  - Home Energy Solutions Program (HES)
  - Limited Income
    - UI: Helps
    - CL&P: WRAP
  - Residential HVAC Incentive Programs
    - Geothermal
    - Ductless
    - CT-ARP Rebate





# Multi-family



- Existing multifamily projects including mixed use, apartments, high rise, etc.
- Residential and/or Commercial Measures
- Electric and/or natural gas measures
- Similar to the C&I Energy Opportunities Program
- Single utility point of contact



# Benefits for You and Your Clients

- Benefits for You: **ADDING VALUE**
- Benefits for Your Clients
  - Reduced operating costs
  - Greater building value
  - Increase tenant occupancy/retention rates
  - Increased productivity / Improved occupancy Health
  - Financial incentives reduce first costs
  - Earn LEED points





# How Do You Get Involved?

- Pre-design / Design Phase
- Become aware of utility incentive programs
- Engage with a utility representative throughout project
- Sign a Standard Agreement ***prior*** to proceeding with the project





# Tools and Resources

- Representatives available to meet with design team
- Technical support
- Training sessions
- Website resources:
  - [www.uinet.com](http://www.uinet.com)
  - [www.cl-p.com](http://www.cl-p.com)
  - [www.ctenergyinfo.com](http://www.ctenergyinfo.com)
  - [www.energystar.gov](http://www.energystar.gov)
  - 877-WISE USE (947-3873)
- **What else will help you?**





# UI Contact Information

- **New Construction (ECB):** Roy W. Haller (203) 499-2025
- **Cool Choice:** Michelle LeMoine (203) 499-5828
- **MotorUp:** Michelle LeMoine (203) 499-5828
- **Retrofit (EO):** Roy W. Haller (203) 499-2025
- **Express Lighting:** Roy W. Haller (203) 499-5828
- **Small Business:** Dennis O'Connor (203) 499-3715
- **Financing:** Roy W. Haller (203) 499-2025
- **O&M Services:** Marissa Westbrook (203) 499-3314
- **Load Response:** Rick Rosa (203) 499-2632
- **Residential Programs:** Chris Ehlert (203) 499-2965
- **Natural Gas Programs:** Roy W. Haller (203) 499-2025



# CL&P Contact Information

- **New Construction (ECB):** Lomont White (860) 665-3790
- **Retrofit (EO):** John Matchett (860) 665-3054
- **O&M/RCx:** Dave McIntosh (203) 352-5457
- **Cool Choice/MotorUp Rebates:** Dave Hayward (860) 665-3386
- **Express Lighting Rebates:** Dave Hayward (860) 665-3386
- **Small Business:** Randy Vagnini (860) 832-4753
- **Financing:** Randy Vagnini (860) 832-4753
- **PRIME:** Rich Asselin (860) 665-3292
- **Residential Programs:** Joe Swift (860) 832-4936
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**Questions?**

**Recommendations/Ideas?**

**THANK YOU!!!**

