

Electronic Handbook of Industrial Resources
CONNECTICUT



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November 2010

Introduction

This resource provides a comprehensive listing of incentives, tools, and resources for industrial manufacturing energy efficiency in the state of Connecticut. It is organized according to industrial system and features information on rebates, waived fees, tax credits, loans and other resources such as analysis tools, education and training programs, and energy assessments. It is based on data available in the *States Incentives and Resources Database*, maintained by the U.S. Department of Energy's (DOE) Industrial Technologies Program (ITP).

The *States Incentives and Resources Database* is a comprehensive searchable online database of approximately 3,100 energy efficiency incentives organized by state. The database is updated regularly and is accessible via the *Save Energy Now* State and Regional Partnerships' Web site:

http://www1.eere.energy.gov/industry/states/state_activities/incentive_search.aspx



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State Industrial Overview

Connecticut has a total of 3.5 million residents and ranks 24th in the nation in terms of GDP, which is \$216.2 billion. The state is home to 11 Fortune 500 companies. In 2008, Connecticut ranked 46th in the nation's industrial energy consumption at 89.7 trillion Btu, and 41st in the nation's industrial natural gas consumption at 23.0 trillion Btu. Connecticut's leading industries include transportation equipment manufacturing, chemical manufacturing, and fabricated metal product manufacturing.¹

The State of Connecticut has realized the importance of addressing its level of energy consumption and has authorized the Connecticut Energy Advisory Board (CEAB) to represent the state in regional energy planning, the state's annual load forecast proceeding, and the procurement plan submitted by electric distribution companies. CEAB's goal is to provide a blueprint for Connecticut's state policymakers of the key long-term visionary goals and strategies that will assist in the creation of a successful state energy policy. The 2007 State Energy Plan details ways to reduce electric costs for the commercial and industry sectors, such as providing energy efficiency financial incentives and load-management programs.²

Exhibit 1 below compares the industrial energy consumption in Connecticut in relation to the national average. The chart in Exhibit 2 is a visual representation of the same data.

Exhibit 1: Total Industrial Energy Consumption Statistics in Connecticut

Year	Connecticut Energy Consumption (Trillion Btu)	National Average (Trillion Btu)
2000	143.9	680.2
2001	118.8	642.8
2002	113.9	642.0
2003	125.5	639.6
2004	123.5	658.7
2005	125.5	696.7
2006	118.7	636.6
2007	114.8	637.0
2008	89.7	614.8

Source: http://www.eia.doe.gov/emeu/states/sep_use/ind/use_ind_ct.html

Connecticut at a Glance

State Information

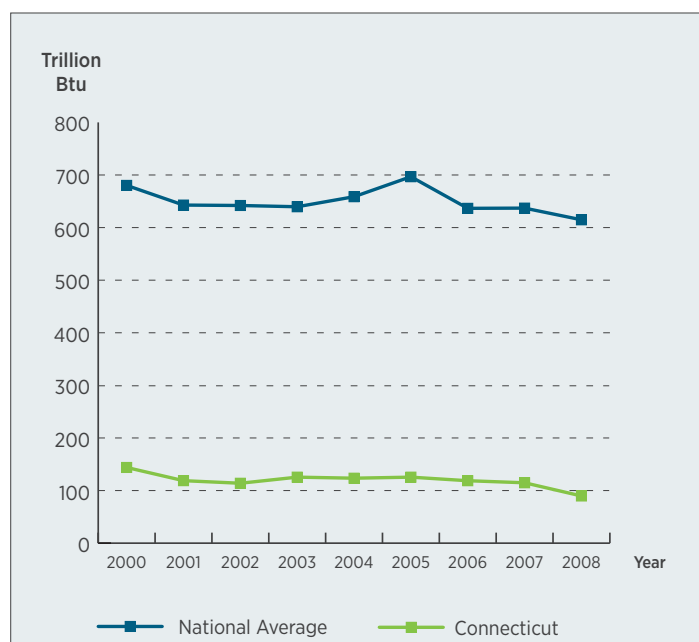
2009 Population (Million)	3.5
2008 GDP (Billion)	\$216.2
Rank by GDP	24

Energy Statistics

Total Energy Consumption 2008 (Trillion Btu)	809.9
Total Industrial Energy Consumption 2008 (Trillion Btu)	89.7
Total Industrial Energy Consumption Rank	46
Total Industrial Electricity Use 2008 (Trillion Btu)	14.9
Total Industrial Electricity Use Rank	41
Total Industrial Natural Gas Use 2008 (Trillion Btu)	23.0
Total Industrial Natural Gas Use Rank	41

Source: http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=CT

Exhibit 2: Total Industrial Energy Use



Federal and National Industrial Energy Efficiency Programs

In addition to the state level programs outlined in more detail in section III there are many government and non-government organizations that have resources to assist industry in the western region to utilize energy more effectively. Financial and technical resources are available from federal agencies, national laboratories, utilities, utility associations, industrial organizations, energy efficiency organizations, state energy offices, energy services companies, non-profits or non-governmental organizations, foundations, and private companies.

ITP is one such program that provides industrial manufacturers across the country with a variety of energy efficiency tools, resources, and incentives. ITP is a prime example of DOE's commitment to improving the energy efficiency of industrial operations in the United States. ITP is a multi-faceted outreach and deployment initiative designed specifically for industrial manufacturers. ITP supports research and development of energy efficient technologies, provides industry with energy management and assessment tools, resources, and information. It also provides no-cost energy assessments to industrial plants of all size.

Several other federal agencies offer energy efficiency incentives in addition to the multitude of DOE resources. Internal Revenue Service, for instance, provides tax incentives to industrial manufacturers that implement energy efficiency projects. In addition, the U.S. Environmental Protection Agency provides loans on new energy efficient construction and incentives on the implementation of combined heat and power systems. Finally, the U.S. Department of Agriculture is another federal agency that provides incentives to rural and small industrial operations seeking to become more energy efficient.

State Incentives by Industrial System

Lighting

Commercial Lighting Audits and Rebates

Free lighting audits and upgrade cost estimates are available for commercial customers. East Norwalk Electric Third Taxing District will pay 33% of the cost of upgrading to high efficiency lighting.

For More Information:
http://www.ttd.gov/index.php?option=com_content&task=view&id=71&Itemid=132

Sponsor: East Norwalk Electric – Third Taxing District
Sponsor Type: Utility

Commercial Lighting Program

Groton Utilities' lighting-efficiency program provides cash incentives for new fixture installation and rebates for the installation of lighting-occupancy controls and daylight harvesting and

dimming controls for new construction, major renovation, or existing lighting retrofits.

For More Information:
http://www.grotonutilities.com/electconserv_comm_light.asp

Sponsor: Groton Utilities
Sponsor Type: Utility

Energy Conscious Blueprint Program

Connecticut Light and Power's Energy Conscious Blueprint Program is designed to maximize energy efficiency for commercial and industrial customers with new construction, major renovations, and tenant fit-out projects. The program also provides for new equipment and the replacement of existing equipment at the end of its useful lifetime.

For More Information:
<http://www.cl-p.com/business/saveenergy/newconstruction/energyconsciousblueprint.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Opportunities Efficiency Program

Connecticut Light and Power's Energy Opportunities Program helps its business and industrial customers improve the energy efficiency of their existing facilities by offering rebates on various retrofit options.

For More Information:
<http://www.cl-p.com/Business/SaveEnergy/Services/EnergyOpportunities.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Opportunities Program

The Energy Opportunities Program is offered by United Illuminating Company (UI) to any of its commercial, industrial, or governmental customers that are interested in retrofitting their existing buildings in an energy efficient manner. UI offers rebates for a wide range of technologies ranging from lighting to refrigeration to envelope measures.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Express Rebate Programs

Connecticut Light and Power offers a number of prescriptive rebates for nonresidential customers. The Lighting Rebate Program offers rebates to commercial and industrial customers for installing more energy efficient lighting fixtures into existing facilities. Additionally, commercial, industrial, agricultural, and institutional Connecticut Light and Power customers are eligible for the MotorUp Rebate and the Cool Choice Programs if they install applicable new or replacement motors, or A/C units or heat pumps, respectively. Finally, Connecticut Light and Power sponsors a \$75 rebate for each vending machine occupancy sensor a commercial business installs in its facility.

For More Information:

<http://www.cl-p.com/Business/SaveEnergy/BusinessRebates.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Light the Night Program

UI will perform a no-obligation check of your business and outdoor lighting to ensure effective lighting design that incorporates careful consideration of visibility, safety, security, energy efficiency, and environmental concerns.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Lighting Express Rebate Program

In conjunction with Connecticut Power and Light, UI offers the Express Lighting Rebate Program to its commercial and industrial customers for rebates for installing energy efficient lighting fixtures in existing facilities.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Lighting Rebate

A number of lighting rebates are available to Connecticut Light and Power business customers. The rebate is offered per unit, and the amount varies by type of lighting equipment.

For More Information:

<http://www.cl-p.com/Business/SaveEnergy/BusinessRebates.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Lighting Retrofit Program

Upgrading a facility's lighting is the first step towards making a building more energy efficient. Norwich Public Utilities (NPU) has various incentives available for its commercial customers.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-comm.html>

Sponsor: Norwich Public Utilities
Sponsor Type: Utility

Operation and Maintenance Program

All Connecticut Light and Power commercial and industrial customers are eligible for the Operation and Maintenance Program, which helps improve the maintenance and operation of electric equipment.

For More Information:

<http://www.cl-p.com/business/saveenergy/services/omservices.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Retro-Commissioning (RCx)

RCx is primarily concerned with low-cost energy savings. This process focuses on the operation of mechanical equipment, lighting, and related controls. The process is intended to optimize how equipment and systems operate, in addition to optimizing how the systems function together.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Small Business Energy Advantage Program

This combined rebate and loan program is offered to some of Connecticut Light and Power's business and industrial customers to make energy efficiency improvements at their facilities.

For More Information:

<http://www.cl-p.com/business/saveenergy/services/energyadvantage.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Small Business Energy Advantage Program

The Small Business Energy Advantage Program is a combined rebate and loan program offered to UI's small business customers for energy efficiency improvements.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Small Commercial and Industrial Energy Efficiency Loan Program

Connecticut Light and Power offers the Small Commercial and Industrial Loan Program to industrial and commercial customers for the installation of electric energy-saving measures. The loan is interest-free and has a maximum six-year payback period. The maximum loan amount is \$100,000 and the minimum is \$5,000.

For More Information:

<http://www.cl-p.com/business/saveenergy/financing/smallciloans.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

HVAC

Air Conditioning Rebate Program

The Air Conditioning Rebate Program promotes significant energy savings, lower cooling costs, and a positive impact on the environment. It pays cash rebates to NPU's commercial, industrial, institutional, agricultural, and residential electric-service customers to help defray the cost of buying high-efficiency HVAC systems purchased on or after January 1, 2009.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-comm.html>

Sponsor: Norwich Public Utilities
Sponsor Type: Utility

Commercial Air Conditioning/Heat Pump Program

Groton Utilities provides all its commercial and industrial customers with cash incentives for new or replacement roof-top split systems, terminal A/C units, and heat pumps that meet or exceed program efficiency standards.

For More Information:

http://www.grotonutilities.com/electconserv_comm_heat.asp

Sponsor: Groton Utilities
Sponsor Type: Utility

Cool Choice Rebate Program

The Cool Choice Rebate Program provides a progressive rebate for the installation of new, qualifying HVAC units, including rebates for economizer controls.

For More Information:

[http://nuwnotes1.nu.com/apps/clp/clp-webcontent.nsf/AR/CoolChoice/\\$File/coolchoice.pdf](http://nuwnotes1.nu.com/apps/clp/clp-webcontent.nsf/AR/CoolChoice/$File/coolchoice.pdf)

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Conscious Blueprint Program

Connecticut Light and Power's Energy Conscious Blueprint Program is designed to maximize energy efficiency for commercial and industrial customers with new construction, major renovations, and tenant fit-out projects. The program also provides for new equipment and the replacement of existing equipment at the end of its useful lifetime.

For More Information:

<http://www.cl-p.com/business/saveenergy/newconstruction/energyconscious-blueprint.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Opportunities Efficiency Program

Connecticut Light and Power's Energy Opportunities Program helps its business and industrial customers improve the energy efficiency of their existing facilities by offering rebates on various retrofit options.

For More Information:

<http://www.cl-p.com/Business/SaveEnergy/Services/EnergyOpportunities.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Opportunities Program

The Energy Opportunities Program is offered by UI to any of its commercial, industrial, or governmental customers that are interested in retrofitting their existing buildings in an energy efficient manner. UI offers rebates for a wide range of technologies ranging from lighting to refrigeration to envelope measures.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Express Rebate Programs

Connecticut Light and Power offers a number of prescriptive rebates for nonresidential customers. The Lighting Rebate Program offers rebates to commercial and industrial customers for installing more energy efficient lighting fixtures into existing facilities. Additionally, commercial, industrial, agricultural, and institutional Connecticut Light and Power customers are eligible for the MotorUp Rebate and the Cool Choice Programs if they install applicable new or replacement motors, or A/C units or heat pumps, respectively. Finally, Connecticut Light and Power sponsors a \$75 rebate for each vending machine occupancy sensor a commercial business installs in its facility.

For More Information:

<http://www.cl-p.com/Business/SaveEnergy/BusinessRebates.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

HVAC Service & Installation

Santa Energy offers a range of HVAC services from assessing your existing system to recommending new upgrades or switching fuels entirely. They also provide HVAC maintenance and repair.

For More Information:

<http://www.santaenergy.com/Commercial/hvac.html>

Sponsor: Santa Energy
Sponsor Type: Other

Natural Gas High-Efficiency Incentives

NPU is now offering incentives for high-efficiency natural gas boilers, furnaces, instantaneous water heaters, and programmable thermostats.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-natgas.html>

Sponsor: Norwich Public Utilities
Sponsor Type: Utility

Operation and Maintenance Program

All Connecticut Light and Power commercial and industrial customers are eligible for the Operation and Maintenance Program, which helps improve the maintenance and operation of electric equipment.

For More Information:

<http://www.cl-p.com/business/saveenergy/services/omservices.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Property Tax Exemption for Renewable Energy Systems

Connecticut provides a property-tax exemption for any passive or active solar-water or space-heating system, or geothermal-energy resource that is exempt from property taxes, regardless of the type of facility the system serves.

For More Information:

[http://www.dpuc.state.ct.us/DPUCIN-FO.nsf/\\$All?OpenView&Start=1&Count=30&Expand=10#10](http://www.dpuc.state.ct.us/DPUCIN-FO.nsf/$All?OpenView&Start=1&Count=30&Expand=10#10)

Sponsor: Connecticut Department of Public Utility Control
Sponsor Type: State

Sales and Use Tax Exemption for Solar and Geothermal Systems

Solar and geothermal heat pumps are sales and use tax exempt.

For More Information:

<http://www.cga.ct.gov/2007/AMD/H/2007HB-07432-R00HA-AMD.htm>

Sponsor: Connecticut Department of Revenue Services
Sponsor Type: State

Small Business Energy Advantage Program

This combined rebate and loan program is offered to some of Connecticut Light and Power's business and industrial customers to make energy efficiency improvements at their facilities.

For More Information:

<http://www.cl-p.com/business/saveenergy/services/energyadvantage.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Small Business Energy Advantage Program

The Small Business Energy Advantage Program is a combined rebate and loan program offered to UI's small business customers for energy efficiency improvements.

For More Information:

<http://www.uinet.com/wps/portal/uinet/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Small Commercial and Industrial Energy Efficiency Loan Program

Connecticut Light and Power offers the Small Commercial and Industrial Loan Program to industrial and commercial customers for the installation of electric energy-saving measures. The loan is interest-free and has a maximum six-year payback period. The maximum loan amount is \$100,000 and the minimum is \$5,000.

For More Information:

<http://www.cl-p.com/business/saveenergy/financing/smallciloans.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Solar Thermal Incentive Program

The Connecticut Clean Energy Fund has received \$4 million from the American Recovery and Reinvestment Act State Energy Program funding to support solar hot water heating in the state.

For More Information:

<http://www.ctcleanenergy.com/Your-BusinessorInstitution/SolarThermalIncentiveProgramCommercial/tabid/519/Default.aspx>

Sponsor: Connecticut Clean Energy Fund

Sponsor Type: State

Other Building Systems

Building Operator Certification (BOC)

Building Operator Certification (BOC) is a nationally recognized training and certification program for building operators offering improved job skills and more comfortable, energy efficient facilities.

For More Information:

<http://www.theboc.info/ne/ne-schedule.html>

Sponsor: Northeast Energy Efficiency Council

Sponsor Type: Other

Commercial and Industrial Program

The program offers incentives for retrofit projects including, but not limited to, lighting and HVAC.

For More Information:

http://www.town.wallingford.ct.us/Content/Energy_Consevation_Commercial_and_Industrial.asp

Sponsor: Wallingford Public Utility

Sponsor Type: Utility

Commercial Energy Audit

The utility offers a free energy analysis of a customer's facility.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-comm.html>

Sponsor: Norwich Public Utilities

Sponsor Type: Utility

Commercial Vending and Door Heater Control Program

This program provides cash incentives for refrigeration door heater controls and vending machine occupancy controls.

For More Information:

http://www.grotonutilities.com/elecconserv_comm_vend.asp

Sponsor: Groton Utilities

Sponsor Type: Utility

Energy Conscious Blueprint

The Energy Conscious Blueprint program pays cash incentives to commercial and industrial customers who build energy efficient technology into their facilities. The program is for new construction and renovations.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company

Sponsor Type: Utility

Energy Opportunities Program

Make energy efficiency a determining factor in your decision to upgrade equipment. Now, with Connecticut Energy Efficiency Fund support and its partnership with Connecticut's regulated natural gas utilities, you have the financial assistance that will enable you to determine your energy future and make decisions based on advanced technology and what will benefit your organization in the long term.

For More Information:

<http://www.soconngas.com/YourBusiness/EnergyConservation/opportunitiesprogram.html>

Sponsor: Connecticut Natural Gas

Sponsor Type: Utility

Free Technical Seminars

Throughout the year, Connecticut Light Power and United Illuminating jointly offer free seminars for their commercial, industrial, and municipal customers.

For More Information:

<http://www.cl-p.com/business/saveenergy/technicalseminars.aspx>

Sponsor: Connecticut Light and Power

Sponsor Type: Utility

Industrial Sites Reinvestment Tax Credit Program

Under this program, the state may provide up to \$100 million in tax credits over a 10-year period to support projects that create significant jobs and capital investment in these underserved areas.

For More Information:

<http://www.ct.gov/ecd/cwp/view.asp?A=1101&Q=249842>

Sponsor: Connecticut Department of Revenue Services

Sponsor Type: State

Low-Interest Loans for Customer-Side Distributed Resources

Long-term financing is available to retail end-use customers for the installation of customer-side distributed resources.

For More Information:

<http://www.ct.gov/dpuc/cwp/view.asp?a=3356&q=419794>

Sponsor: Connecticut Department of Public Utility Control

Sponsor Type: State

Manufacturing Alliance of Connecticut (MAC) Energy Services

MAC members are offered energy-related services designed to save their company money, including energy audits, natural gas aggregation, seminars, and more.

For More Information:

<http://www.mact.org/services.php>

Sponsor: Manufacturing Alliance of Connecticut

Sponsor Type: Nonprofit

Remote monitoring and control services

Santa's remote monitoring and control services can help you ensure the comfort of the people who live and work in your buildings, while maintaining maximum energy efficiency.

For More Information:

<http://www.santaenergy.com/Commercial/remotem&c.html>

Sponsor: Santa Energy

Sponsor Type: Other

Retro Commissioning Program

The Retro Commissioning Program identifies energy savings in existing commercial and industrial buildings by improving the operation of a building's management system.

For More Information:

<http://www.yankeegas.com/Business-Customer/EnergySavingPrograms.asp>

Sponsor: Yankee Gas Services Co.

Sponsor Type: Utility

Retro-Commissioning (RCx)

RCx is primarily concerned with low-cost energy savings. This process focuses on the operation of mechanical equipment, lighting, and related controls. The process is intended to optimize how equipment and systems operate, in addition to optimizing how the systems function together.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company

Sponsor Type: Utility

Total Energy Management

Certified energy professionals will conduct an in-depth analysis of a facility and its energy use, then develop a plan to reduce its energy consumption and to lower its operating costs.

For More Information:

<http://www.santaenergy.com/Commercial/totalenergymgt.html>

Sponsor: Santa Energy

Sponsor Type: Other

Industrial Systems / Process Specific

Commercial and Industrial Program

The program offers incentives for retrofit projects including, but not limited to, lighting, and HVAC.

For More Information:

http://www.town.wallingford.ct.us/Content/Energy_Conservation_Commercial_and_Industrial.asp

Sponsor: Wallingford Public Utility

Sponsor Type: Utility

Commercial Energy Audit

The utility offers a free energy analysis of a customer's facility.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-comm.html>

Sponsor: Norwich Public Utilities

Sponsor Type: Utility

Commercial High Efficiency Motor Replacement Program

Groton Utilities' Motor Replacement Program provides cash incentives for new or replacement three-phase, premium-efficiency motors.

For More Information:

http://www.grotonutilities.com/elec_conserv_comm_motor.asp

Sponsor: Groton Utilities

Sponsor Type: Utility

Commercial Motor Upgrade

A program to replace old motors with high-efficiency motors is available for commercial and industrial customers.

For More Information:

http://www.ttd.gov/index.php?option=com_content&task=view&id=71&Itemid=132

Sponsor: East Norwalk Electric – Third Taxing District

Sponsor Type: Utility

Commercial Vending and Door Heater Control Program

This program provides cash incentives for refrigeration door heater controls and vending machine occupancy controls.

For More Information:

http://www.grotonutilities.com/elec_conserv_comm_vend.asp

Sponsor: Groton Utilities

Sponsor Type: Utility

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For More Information:

<http://www.cl-p.com/business/saveenergy/newconstruction/energyconsciousblueprint.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Opportunities Efficiency Program

Connecticut Light and Power's Energy Opportunities Program helps its business and industrial customers improve the energy efficiency of their existing facilities by offering rebates on various retrofit options.

For More Information:

<http://www.cl-p.com/business/saveenergy/services/energyopportunities.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Energy Opportunities Program

Make energy efficiency a determining factor in your decision to upgrade equipment. Now, with Connecticut Energy Efficiency Fund support and its partnership with Connecticut's regulated natural gas utilities, you have the financial assistance that will enable you to determine your energy future and make decisions based on advanced technology and what will benefit your organization in the long term.

For More Information:

<http://www.soconngas.com/YourBusiness/EnergyConservation/opportunitiesprogram.html>

Sponsor: Connecticut Natural Gas
Sponsor Type: Utility

Energy Opportunities Program

The Energy Opportunities Program is offered by UI to any of its commercial, industrial, or governmental customers that are interested in retrofitting their existing buildings in an energy efficient manner. UI offers rebates for a wide range of technologies ranging from lighting to refrigeration to envelope measures.

For More Information:

<http://www.uinet.com/wps/portal/uinet/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Express Rebate Programs

Connecticut Light and Power offers a number of prescriptive rebates for nonresidential customers. The Lighting Rebate Program offers rebates to commercial and industrial customers for installing more energy efficient lighting fixtures into existing facilities. Additionally, commercial, industrial, agricultural, and institutional Connecticut Light and Power customers are eligible for the MotorUp Rebate and the Cool Choice Programs if they install applicable new or replacement motors, or A/C units or heat pumps, respectively. Finally, Connecticut Light and Power sponsors a \$75 rebate for each vending machine occupancy sensor a commercial business installs in its facility.

For More Information:

<http://www.cl-p.com/Business/SaveEnergy/BusinessRebates.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Free Technical Seminars

Throughout the year, Connecticut Light Power and UI jointly offer free seminars for their commercial, industrial, and municipal customers.

For More Information:

<http://www.cl-p.com/business/saveenergy/technicalseminars.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Industrial Sites Reinvestment Tax Credit Program

Under this program, the state may provide up to \$100 million in tax credits over a 10-year period to support projects that create significant jobs and capital investment in these underserved areas.

For More Information:

<http://www.ct.gov/ecd/cwp/view.asp?A=1101&Q=249842>

Sponsor: Connecticut Department of Revenue Services
Sponsor Type: State

Low-Interest Loans for Customer-Side Distributed Resources

Long-term financing is available to retail end-use customers for the installation of customer-side distributed resources.

For More Information:

<http://www.ct.gov/dpuc/cwp/view.asp?a=3356&q=419794>

Sponsor: Connecticut Department of Public Utility Control
Sponsor Type: State

MAC Energy Services

MAC members are offered energy-related services designed to save their company money, including energy audits, natural gas aggregation, seminars, and more.

For More Information:

<http://www.mact.org/services.php>

Sponsor: Manufacturing Alliance of Connecticut
Sponsor Type: Nonprofit

MotorUp Incentive Program

This is a rebate program for UI's commercial customers to provide a fast, easy way to bridge the gap between the cost of motors that meet EPACT standards and the slightly higher cost of premium-efficiency motors.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

MotorUp Program

The MotorUp initiative is a program that offers NPU's commercial, institutional, and agricultural electric-services customers attractive incentives to upgrade to premium-efficiency electric motors. The MotorUp Program covers products purchased and installed, or placed in stock on or after January 1, 2009.

For More Information:

<http://www.norwichpublicutilities.com/pdfs/app-MotorUp.pdf>

Sponsor: Norwich Public Utilities
Sponsor Type: Utility

MotorUp Rebate Program

The MotorUp program provides a progressive rebate for the installation of new premium-efficiency, three-phase 1-200 hp open drip proof or totally enclosed fan cooled 1200, 1800, or 3600 RPM motors. Motors must operate at a minimum of 2000 hours annually.

For More Information:

[http://nuwnotes1.nu.com/apps/clp/clpwebcontent.nsf/AR/MotorUp/\\$File/motorup.pdf](http://nuwnotes1.nu.com/apps/clp/clpwebcontent.nsf/AR/MotorUp/$File/motorup.pdf)

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Natural Gas High-Efficiency Incentives

NPU is now offering incentives for high-efficiency natural gas boilers, furnaces, instantaneous water heaters, and programmable thermostats.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-natgas.html>

Sponsor: Norwich Public Utilities
Sponsor Type: Utility

Operation and Maintenance Program

All Connecticut Light and Power commercial and industrial customers are eligible for the Operation and Maintenance Program, which helps improve the maintenance and operation of electric equipment.

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<http://www.cl-p.com/business/saveenergy/services/omservices.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Retro-Commissioning (RCx)

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Sponsor: United Illuminating Company
Sponsor Type: Utility

Sales and Use Tax Exemption for Solar and Geothermal Systems

Solar and geothermal heat pumps are sales and use tax exempt.

For More Information:

<http://www.cga.ct.gov/2007/AMD/H/2007HB-07432-R00HA-AMD.htm>

Sponsor: Connecticut Department of Revenue Services
Sponsor Type: State

Small Business Energy Advantage Program

This combined rebate and loan program is offered to some of Connecticut Light and Power's business and industrial customers to make energy efficiency improvements at their facilities.

For More Information:

<http://www.cl-p.com/business/saveenergy/services/energyadvantage.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Small Business Energy Advantage Program

The Small Business Energy Advantage Program is a combined rebate and loan program offered to UI's small business customers for energy efficiency improvements.

For More Information:

<http://www.uinet.com/wps/portal/ui-net/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Small Commercial and Industrial Energy Efficiency Loan Program

Connecticut Light and Power offers the Small Commercial and Industrial Loan Program to industrial and commercial customers for the installation of electric energy-saving measures. The loan is interest-free and has a maximum six-year payback period. The maximum loan amount is \$100,000 and the minimum is \$5,000.

For More Information:

<http://www.cl-p.com/business/saveenergy/financing/smallloans.aspx>

Sponsor: Connecticut Light and Power

Sponsor Type: Utility

Total Energy Management

Certified energy professionals will conduct an in-depth analysis of a facility and its energy use, then develop a plan to reduce its energy consumption and to lower its operating costs.

For More Information:

<http://www.santaenergy.com/Commercial/totalenergymgt.html>

Sponsor: Santa Energy

Sponsor Type: Other

Vending Machine Occupancy Sensor Rebate Program

This program provides a \$75 rebate per installed unit of occupancy sensors on commercial and industrial vending machines.

For More Information:

[http://nuwnotes1.nu.com/apps/clp/clpwebcontent.nsf/AR/VendingMachine/\\$File/vending_machine.pdf](http://nuwnotes1.nu.com/apps/clp/clpwebcontent.nsf/AR/VendingMachine/$File/vending_machine.pdf)

Sponsor: Connecticut Light and Power

Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Energy Sources

Commercial Distributed Generation and On-site Solutions

Groton Utilities currently offers expertise and advice for customers considering the design and installation of on-site distributed energy solutions, including expert advice on regulatory processes (such as permitting and available State and Federal incentives), and design and engineering of a distributed energy plant (such as cogeneration systems, boiler plants, and waste heat to energy systems).

For More Information:

http://www.grotonutilities.com/electconserv_comm_distribute.asp

Sponsor: Groton Utilities

Sponsor Type: Utility

Community Solar Lending Program

The Community Lending Program (CLP) was created in May 2009 by New Generation Energy (NGE) to strengthen low- and middle- income communities through green energy projects that have a high level of environmental, economic, health, and neighborhood-enhancement benefits. All enterprises, nonprofit and for-profit, may apply for a Solar Loan from NGE's CLP.

For More Information:

<http://www.newgenerationenergy.org/?q=community-lending/community-lending-program>

Sponsor: New Generation Energy

Sponsor Type: Nonprofit

Community Solar Lending Program

New Generation Energy (NGE) believes that community scale solar plays an important part in moving America toward a green energy path. With the current incentives and rebates available through state and local government, solar is more attractive than ever. All enterprises, non-profit and for-profit, may apply for a loan from NGE's Community Lending Program.

For More Information:

<http://www.newgenerationenergy.org/?q=community-lending/community-lending-program>

Sponsor: New Generation Energy

Sponsor Type: Nonprofit

Hess C-Neutral

This program helps businesses become leaders in environmental stewardship and consumer advocates. Businesses have the option to bundle natural gas, electricity, and/or fuel oil with carbon offset credits, making their total energy purchase 100% carbon neutral.

For More Information:

<http://www.hessenergy.com/green/carbon.htm>

Sponsor: Hess Energy

Sponsor Type: Other

HVAC Service & Installation

Santa Energy offers a range of HVAC services from assessing your existing system to recommending new upgrades or switching fuels entirely. They also provide HVAC maintenance and repair.

For More Information:

<http://www.santaenergy.com/Commercial/hvac.html>

Sponsor: Santa Energy

Sponsor Type: Other

Low-Interest Loans for Customer-Side Distributed Resources

Long-term financing is available to retail end-use customers for the installation of customer-side distributed resources.

For More Information:

<http://www.ct.gov/dpuc/cwp/view.asp?a=3356&q=419794>

Sponsor: Connecticut Department of Public Utility Control

Sponsor Type: State

On-Site Renewable Distributed Generation Program

Connecticut's On-Site Renewable Distributed Generation Program provides grants to support the installation of systems that generate electricity at commercial, industrial, and institutional buildings.

For More Information:

<http://www.ctcleanenergy.com/Your-BusinessorInstitution/OnSiteRenewableDG/tabid/95/Default.aspx>

Sponsor: Connecticut Clean Energy Fund

Sponsor Type: State

Renewable Energy Certificates

An organization can play an important role in supporting renewable energy by purchasing Renewable Energy Certificates from Hess. An organization's green power purchase can range from 1% to 100% of its electricity usage.

For More Information:

<http://www.hessenergy.com/products/green/Renewable.aspx>

Sponsor: Hess Energy

Sponsor Type: Other

Renewable Energy Credits (RECs)

State law requires that a portion of Connecticut's electricity be supplied from Class I, Class II, or Class III fuel sources. Generators that use these fuel sources are awarded renewable-energy credits (RECs) that can be sold in the wholesale electric market. You can learn more about Connecticut's renewable-portfolio standards by using the following link.

For More Information:

<http://www.ct.gov/dpuc/cwp/view.asp?a=3356&q=419794>

Sponsor: Connecticut Department of Public Utility Control

Sponsor Type: State

Sales and Use Tax Exemption for Solar and Geothermal Systems

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Sponsor: Connecticut Department of Revenue Services

Sponsor Type: State

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Load Management

Backup Rates - Interconnection Standards - ISO-NE Demand Response Programs

Under the capital grant program, the electric cost associated with power used when base load customer-side generation is out of service can be reduced. This is done by eliminating backup rates and demand ratchets for customers who install these projects. In addition, generation that will be interconnected to the distribution system must comply with certain standards. Furthermore, some projects are required to participate in the ISO-NE's Demand Response Programs. Contact one of the following utility representatives for information on these subjects.

For More Information:

<http://www.ct.gov/dpuc/cwp/view.asp?a=3356&q=419794>

Sponsor: Connecticut Department of Public Utility Control

Sponsor Type: State

Commercial Demand Response Programs

Groton Utilities provides cash incentives for commercial, industrial, and residential electricity users who voluntarily reduce electricity consumption during peak times of the year when the electric system is severely constrained and the price of electricity is very high.

For More Information:

http://www.grotonutilities.com/elec_conserv_comm_demand.asp

Sponsor: Groton Utilities

Sponsor Type: Utility

Demand Reduction Program

Connecticut Light and Power's Demand Reduction Program helps customers understand how much demand (kilowatts) they use at different times of the day. The program provides insight on potential load reduction opportunities and helps to develop a facility-specific strategy to reduce kilowatt demand. The program is available to commercial and industrial customers of any size.

For More Information:

<http://www.cl-p.com/Business/SaveEnergy/LoadManagement/DemandReduction.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Demand Response

The utility offers businesses a load-management program that enables them to earn money by reducing energy use during emergencies and other critical periods.

For More Information:

<http://www.enernoc.com/solutions/demand-response.php>

Sponsor: EnerNOC
Sponsor Type: Other

Demand Response

Hess Demand Response offers customers an opportunity to generate recurring revenue. Customers earn money by committing to reduce electricity usage the few times a year when their local power grid is at its peak, or when there is a significant spike in energy prices. For this commitment to reduce usage, Hess will pay customers every month. When they fulfill their commitment during a demand response event, Hess will pay them even more.

For More Information:

<http://www.hessenergy.com/products/electricity/DR.aspx>

Sponsor: Hess Energy
Sponsor Type: Other

Demand Response

Demand Response programs compensate large electricity users for reducing consumption when market prices are high or demand is high and system reliability is at risk. Users may choose from among different options designed to fit their needs.

For More Information:

http://www.iso-ne.com/genrtion_resrcs/dr/index.html

Sponsor: ISO New England Inc.
Sponsor Type: Other

Discounts for Natural Gas

Distributed-resource projects that use natural gas can qualify for reduced rates and/or loans from Connecticut Natural Gas, Southern Connecticut Gas, or Yankee Gas Services Company.

For More Information:

<http://www.ct.gov/dpuc/cwp/view.asp?a=3356&q=419794>

Sponsor: Connecticut Department of Public Utility Control
Sponsor Type: State

Energy Efficiency: Demand Response

The NPU team has created Power Alert Days, which correspond to ISO New England's degree days. By lowering peak-period energy demand everyone can lower their bills.

For More Information:

<http://www.norwichpublicutilities.com/energyefficiency/efficiency-demand.html>

Sponsor: Norwich Public Utilities
Sponsor Type: Utility

Energy Independence Load Response Program

The Energy Independence Load Response Program is designed to reduce load on the electric system through curtailment and emergency response by electric customers. This program provides incentives to customers who agree to reduce load when needed.

For More Information:

<http://www.uinet.com/wps/portal/uinet/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

Load Management Program

Connecticut Light and Power's Load Management Program helps business customers understand the new energy market and provides them with the tools needed to implement profitable, market-based load-management strategies. Connecticut Light and Power offers seminars, technical assessments, and financial aid to help businesses understand their energy-usage patterns and capitalize on today's load-management technologies to modify their electric demand and lower their electric costs.

For More Information:

<http://www.cl-p.com/business/saveenergy/loadmanagement.aspx>

Sponsor: Connecticut Light and Power
Sponsor Type: Utility

Remote monitoring and control services

Santa's remote monitoring and control services can help you ensure the comfort of the people who live and work in your buildings while maintaining maximum energy efficiency.

For More Information:

<http://www.santaenergy.com/Commercial/remotem&c.html>

Sponsor: Santa Energy
Sponsor Type: Other

Retro-Commissioning (RCx)

RCx is primarily concerned with low-cost energy savings. This process focuses on the operation of mechanical equipment, lighting, and related controls. The process is intended to optimize how equipment and systems operate, in addition to optimizing how the systems function together.

For More Information:

<http://www.uinet.com/wps/portal/uinet/business/>

Sponsor: United Illuminating Company
Sponsor Type: Utility

U.S. Department of Energy IAC: University of Massachusetts

The University of Massachusetts IAC operates within the Center for Energy Efficiency and Renewable Energy. Assessments are offered to small- and medium-sized manufacturing plants (Standard Industrial Codes 20-39) in the New England area with gross annual sales of less than \$100 million, not more than 500 employees, no in-house energy expert, and energy costs totaling \$100,000 to \$2.5 million per year.

For More Information:

<http://www.ceere.org/iac/index.html>

Sponsor: U.S. Department of Energy
Sponsor Type: Federal

Constellation NewEnergy Online

This is an energy-management tool that is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve their company's energy efficiencies, track changes in their company's usage, and compare usage across multiple facilities.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.987b194dd5e782ce18a805e4da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Load Response for your Business

Commercial customers can receive financial rewards, either in the form of dollars or energy bill credits, for using less energy on days when regional power grids are under stress.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.c2d5c4a31e3b3661571c5010747176a0?title=lr>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

End Notes

¹ Energy Information Administration, State Energy Profiles: Connecticut, http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=CT. Accessed October 4, 2010.

² Connecticut Energy Advisory Board, 2007 Energy Plan for Connecticut, http://www.ctenergy.org/pdf/2007_Energy_Plan.pdf Accessed on October 4, 2010.

EERE Information Center

1-877-EERE-INFO (1-877-337-3463)

www.eere.energy.gov/informationcenter

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