

Connecticut Industrial Resource Fact Sheet

Introduction

Connecticut's economy is ranked 23rd in the nation in terms of 2008 gross domestic product (GDP), generating \$216.1 billion annually. Industrial manufacturing is an important sector of Connecticut's economy, providing the state with 79,054 jobs and supplying \$26,269 million worth of goods. Based on the total value of shipments, Connecticut's leading industries include transportation equipment, chemical, and fabricated metal product manufacturing. In 2007, local industry used 115.2 trillion British thermal units (Btu), which was the 44th highest in the nation (or approximately 13.2 percent of all energy consumed in the state). The state's industrial natural gas consumption totaled 23.5 trillion Btu, ranking 40th in the nation. Moreover, the industrial sector accounted for approximately 3.0 million metric tons of carbon dioxide emissions, according to 2005 data.

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 bring down electric cost for the commercial and industry sectors, such as providing energy-efficiency-financial incentives and load-management programs.

Additionally, multiple resources are made available throughout the state for plant managers that provide information



on energy efficiency and renewable energy, as well as assistance in financing energy-efficiency improvements and renewable-energy projects. Both the state government and utility companies offer local industry incentives and resources for reducing its energy consumption.

State Programs

State Government: The Connecticut Department of Public Utility Control (PUC) offers state loans and grants for the installation of customer-side distributed resources. The state PUC also developed a Web site called CTEnergyInfo to help local consumers navigate the ever increasing number of energy-related resources. The PUC also has information on programs, such as the Connecticut Energy Efficiency Fund, which supports programs that provide financial incentives to help Connecticut consumers reduce the amount of energy used in their businesses or at home. Another state agency, the Connecticut Clean Energy Fund, offers financial incentives for industry to invest in renewable-energy systems. Additionally, the Connecticut Department of Revenue Services offers sales tax exemptions on solar and geothermal heat pumps, and the Connecticut Office of Policy and Management offers grants to develop innovative energy-efficient technologies and renewable technologies.

Utility Resources

Investor-Owned Utilities: The United Illuminating Company provides technical energy services, financial incentives, and energy audits for industrial customers. In addition, Connecticut Light and Power offers industrial customers loans and rebates for energy-efficient equipment, along with free industry-specific energy-efficient technology seminars, load-management programs, and an energy-audit tool. Glacial Energy, a retail electricity supplier, offers energy services to help industrial customers reduce their energy consumption. Finally, Hess Energy, a leading energy supplier to industrial markets along the East Coast, offers a load-management program and green-energy certificates.

Public Power Utilities: The East Norwalk Electric Department, one of six municipally owned electric utilities in Connecticut, offers energy-efficiency rebates and an energy-audit program. Groton Utilities offers financial incentives for energy-efficiency measures. Additionally, Norwich Public Utilities offers a free energy audit for facilities, financial incentives such as zero percent interest loans, and rebates for energy-efficiency improvements.

Regional Resources

Nonprofit Organizations: The Massachusetts Energy Consumers Alliance, a nonprofit organization in Boston that is also referred to as Mass Energy, provides a list of energy-saving tips on its Web site. Mass Energy also purchases renewable-energy certificates (also known as green tags) from PV systems in Massachusetts and Connecticut. Manufacturing Alliance of Connecticut and Connecticut's Manufacturing Resource, whose mission is to provide strategic assistance to Connecticut manufacturers to help them become successful innovators in the global marketplace, offers energy-related services to its members. Another organization, Northeast Energy Efficiency Partnerships, provides funding opportunities, energy-efficiency training, and outreach. Additionally, the organization promotes energy-efficiency initiatives, such as the Commercial Buildings and Technologies Initiative.

Energy Service Companies: Santa Energy—the leading provider of energy products, motor fuels, and services for business and industry throughout the New England region—offers energy-management services. In addition, Ameresco offers industry customers analytical and technical energy services, along with the Connecticut Energy Efficiency Incentive Program to encourage customers to upgrade their facilities. Finally, EnerNOC offers a load-management program and analytical and technical energy services.

Industrial Assessment Center: Connecticut does not have an Industrial Assessment Center (IAC) within the state, but does share close proximity to the University of Massachusetts, which hosts an IAC. Connecticut's small and midsize manufacturers can receive no-cost energy assessments from the University of Massachusetts IAC.

Clean Energy Application Center: The Northeast CHP Application Center's mission is to provide Combined Heat and Power (CHP) application assistance, technology information, and educational support to the seven Northeast states, including Connecticut.

Local Resources

Manufacturing Extension Partnership: The Connecticut State Technology Extension Program provides consulting and training solutions to Connecticut's manufacturing industry, such as Lean Solutions, Environmental/Clean Manufacturing, and Business Assessments.

For More Information

DOE Industrial Technologies Program (<http://www1.eere.energy.gov/industry/index.html>)

ITP Save Energy Now (<http://www1.eere.energy.gov/industry/saveenergynow/>)

ITP State Activities Web site – Connecticut

(http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=CT)

ITP State Incentives and Resources Database (http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp)

Connecticut Clean Energy Fund (<http://www.ctcleanenergy.com/Home/tabid/36/Default.aspx>)

Connecticut Department of Public Utility Control (<http://www.ct.gov/dpuc/site/default.asp>)

Connecticut Energy Advisory Board (<http://www.ctenergy.org/index.html>)

Connecticut Office of Policy and Management (<http://www.ct.gov/opm/site/default.asp>)

CT Energy Info (<http://www.ct-energyinfo.com>)

Ameresco (<http://www.ameresco.com>)

Connecticut Light and Power (<http://www.cl-p.com>)

Manufacturing Alliance of Connecticut (<http://www.mact.org/index.php>)

Connecticut's Manufacturing Resource (<http://www.connstep.org/>)

East Norwalk Electric Department (<http://www.ttd.gov>)

EnerNOC (<http://www.enernoc.com>)

Glacial Energy (<http://www.glacialenergy.com>)

Groton Utilities (http://www.grotonutilities.com/home_welcome.asp)

Hess Energy (<http://www.hessenergy.com/home.aspx>)

Mass Energy (<http://www.massenergy.com/index.html>)

Northeast Energy Efficiency Partnerships (<http://www.neep.org>)

Norwich Public Utilities (<http://www.norwichpublicutilities.com>)

Santa Energy (<http://www.santaenergy.com>)

United Illuminating Company (<http://www.uinet.com>)

Contacts

Industrial Assessment Centers for Region

University of Massachusetts

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Manufacturing Extension Partnership in Connecticut

Connecticut State Technology Extension Program (CONNSTEP, Inc.)

Director: Bonnie del Conte

Phone: (860) 529-5120

Fax: (860) 529-5120

E-mail: bdelconte@connstep.org

Web site: <http://www.connstep.org/>

Source: <http://blue.nist.gov/centers/CT>

Clean Energy Application Center for Region

Northeast CHP Application Center

Director: Larry Ambs

Phone: (413) 545-2539

E-mail: ambs@ceere.org

Web site: <http://www.northeastchp.org/nac/index.htm>

Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

Manufacturing Alliance of Connecticut

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DOE Regional Contacts

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Source: <http://www.eere.energy.gov/industry/about/contacts.html>

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EERE Information Center

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www.eere.energy.gov/informationcenter