

New York Industrial Resource Fact Sheet

Introduction

New York's economy is ranked 31st in the nation in terms of 2008 gross domestic product (GDP), generating \$1,144.2 billion. Industrial manufacturing is an important sector of the state's economy, providing 153,348 jobs and supplying \$69,634.1 million worth of goods. The largest manufacturing sectors in the state are non-metallic mineral manufacturing and food processing based on total value of shipments. In 2007, New York's industrial sector ranked 21st in the nation in terms of energy expended, accounting for 504.6 trillion British thermal units (Btu), or 12.4 percent of statewide energy consumption. The state's industrial natural gas consumption tallied 82.2 trillion Btu, which was 24th in the nation for that year. Moreover, the industrial sector accounted for approximately 2.7 million metric tons of carbon dioxide emissions in 2005.

Due to significant energy-related events like the 1965, 1977, and 2003 power outages, New York has realized the importance of addressing its energy consumption, as well as the need to better plan for the future in order to avoid or lessen the impact of future wide-spread power failures. State lawmakers have created legislation to encourage energy efficiency and renewable energy generation. For instance, New York was among the first states to offer tax incentives for buildings that save energy and minimize environmental impact. Additionally, Executive Order 4 established the Sustainability and Environmental Stewardship Program in 2007. That same year, Governor Elliot Spitzer committed to reducing energy consumption in New York by a total of 15 percent by the year 2015 (15x15). One of the major outcomes of this policy goal was the creation of an *Energy Efficiency Portfolio Standard*, which is meant to establish the framework for ensuring that energy efficiency becomes



an integral part of the New York energy industry. New York is currently in the process of updating its state energy plan; it is scheduled to be published in October 2009.

State Programs

State Government: The New York State Energy Research and Development Authority (NYSERDA) provides a 15-year property tax exemption for solar and wind energy systems constructed in New York, a load management program, and financial incentives including rebates, grants, and loans for energy efficiency and renewable energy projects and systems. In addition, NYSERDA provides technical assistance and an energy audit program to help industry in the state decrease consumption and work toward the 15x15 goal. Another state agency, Empire State Development, provides manufacturers with technical services and financial incentives to invest in projects that will significantly increase productivity and competitiveness or identify, develop, and implement improved management and production processes.

Local Government: The New York City Economic Development Corporation (NYCEDC) offers a variety of financial incentives for eligible energy-efficient installations, along with energy discount programs and tax credits on electric, gas, and steam utility bills. Additionally, NYCEDC provides property tax exemptions for increases in assessed value on eligible commercial buildings that are built, modernized, rehabilitated, expanded, or otherwise physically improved.

Utility Resources

Investor-Owned Utilities: Central Hudson Gas & Electric offers businesses a program called Energy Solutions. This program includes free energy audits, alternative fuel analyses, technical services, and financial assistance. In addition, Consolidated Edison offers load management programs, a free on-site energy survey, and financial incentives for energy-efficient equipment. National Grid offers energy efficiency rebates and online energy management tools. Moreover, New York State Electric and Gas and Rochester Gas & Electric offer load management programs, online energy management tools, and financial incentives for businesses locating or expanding in the Empire Zone. Lastly, Orange & Rockland offers energy efficiency rebates and load management programs.

INDUSTRIAL TECHNOLOGIES PROGRAM

Public Power Utilities: Long Island Power Authority offers financial incentives for energy efficient construction and green building and system design, along with rebates for efficient lighting and renewable energy systems, such as geothermal and solar. Furthermore, the New York State Banking Department offers financial and technical support for energy-efficient process technology solutions and detailed engineering studies of manufacturing operations, while the New York Department of Environmental Conservation oversees the Green Building Tax Credit for business and personal income taxpayers that meet certain “green” standards. In addition, Freeport Electric offers businesses the ability to lease high-efficiency security lighting and lamps for a flat monthly charge; this program also covers energy consumption and 24-hour, year-round maintenance. The Independent Energy Efficiency Program, which works to improve New York Municipal Electric Utilities, offers incentives for energy-efficient equipment.

Local Resources

Industrial Assessment Centers: Syracuse University, through sponsorship from the U.S. Department of Energy, offers programs to help industrial manufacturers improve their cost and energy savings. The Syracuse University Industrial Assessment Center (IAC) also offers free energy audits to small- and midsize manufacturing facilities.

Nonprofit Organizations: The Center for Economic Growth, the Long Island Forum for Technology, and Insyte Consulting and High Technology of Rochester, Inc., are nonprofit organizations focused on advancing regional growth opportunities and offering business and technical assistance. Another nonprofit organization, the Central New York Technology Development Organization, offers general business consulting/assistance and programs such as Training within Industry (TWI), Lean Manufacturing Assistance, Business Assessment, QuickView Manufacturing Assessment, Small Business Innovation Research (SBIR) Outreach, and OSHA training. Additionally, the Hudson Valley Technology Development Center provides direct assistance or locates outside resources to help with business development, operations, sales and marketing, workforce development, technology advancement and integration, and entrepreneurial initiatives. Moreover, Mohawk Valley Applied Technology Corporation offers services such as company assessments and Lean Manufacturing and TWI training. Furthermore, the Alliance for Manufacturing and Technology, the Industrial & Technology Assistance Corporation, and the Council for International Trade, Technology, Education, and Communication provide manufacturer consulting and training. Finally, the New York State Office of Science, Technology, and Academic Research offers a wide range of programs and other strategic initiatives to strengthen the formation of university-business partnerships to develop and commercialize the most economically promising technologies of tomorrow.

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 New York.

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 – New York (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=NY)

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

Long Island Power Authority (<http://www.lipower.org>)

New York City Economic Development Corporation (<http://www.nycedc.com>)

New York State Banking Department (<http://www.banking.state.ny.us>)

NY Department of Environmental Conservation (<http://www.dec.ny.gov>)

NY State Energy Research and Development Authority (<http://www.nyserda.org>)

Alliance for Manufacturing and Technology (<http://www.amt-mep.org>)

Central Hudson Gas & Electric (<http://www.centralhudson.com>)

Center for Economic Growth (<http://www.ceg.org/index.php>)

Consolidated Edison (<http://www.coned.com>)

Freeport Electric (<http://www.freeportelectric.com>)

High Technology of Rochester (<http://www.htr.org>)

Hudson Valley Technology Development Center (<http://www.hvtcdc.org>)

Industrial & Technology Assistance Corporation (<http://www.itac.org>)

Insyte Consulting (<http://www.insyte-consulting.com>)

Long Island Forum for Technology (<http://www.lift.org>)

Mohawk Valley Applied Technology Corporation (<http://www.mvatc.com>)

National Grid (<http://www2.nationalgridus.com>)

INDUSTRIAL TECHNOLOGIES PROGRAM

New York State Electric and Gas (<http://www.nyseg.com>)

New York State Office of Science, Technology and Academic Research (<http://www.nystar.state.ny.us>)

Orange & Rockland (<http://www.oru.com>)

Rochester Gas & Electric (<http://www.rge.com>)

The Independent Energy Efficiency Program (IEEP) (<http://iecpny.com/index.html>)

Syracuse University (<http://iac.syr.edu>)

Technology, Education and Communication (<http://www.citec.org>)

New York State Office of Science, Technology and Academic Research (NYSTAR)

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Web site: <http://www.nystar.state.ny.us>

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

Contacts

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Syracuse University

Director: Mr. Frederick J. Carranti, P.E.

Phone: (315) 443-4346

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Web site: <http://iac.syr.edu>

Manufacturing Extension Partnership in
New York

Center for Economic Growth (CEG)

Director: F. Michael Tucker

Phone: (518) 465-8975

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E-mail: miket@ceg.org

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

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

Central New York Technology Development
Organization (CNYTDO)

Director: Robert I. Trachtenberg

Phone: (315) 425-5144

Fax: (315) 233-1259

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

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

High Technology of Rochester, Inc. (HTR)

Director: David Hessler

Phone: (585) 214-2400

Fax: (585) 272-0054

E-mail: david.hessler@htr.org

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

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

Long Island Forum for Technology, Inc. (LIFT)

Director: Ken Morrelly

Phone: (631) 969-3700

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E-mail: kmorrelly@lift.org

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

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

Hudson Valley Technology Development Center
(HVTDC)

Director: Thomas G. Phillips, Sr.

Phone: (845) 896-6934, ext. 3006

Fax: (845) 896-7006

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

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

Mohawk Valley Applied Technology Corporation
(MVATC)

Director: Paul MacEnroe

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Fax: (315) 793-8057

E-mail: pmac@mvatc.com

Web site: <http://www.mvatc.com/>

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

Industrial & Technology Assistance Corporation
(ITAC)

Director: Sara P. Garretson

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E-mail: sgarretson@itac.org

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

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

Council for International Trade, Technology,
Education and Communication (CITEC)

Director: Thomas Plastino

Phone: (315) 268-3778 x24

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E-mail: plastino@citec.org

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

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

Alliance for Manufacturing and Technology (AM&T)

Director: Edward Gaetano

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E-mail: info@amt-mep.org

Web site: <http://www.amt-mep.org>

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

Insyte Consulting

Director: Benjamin Rand

Phone: (716) 636-3626

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E-mail: brand@insyte-consulting.com

Web site: <http://www.insyte-consulting.com>

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

Clean Energy Application Center for Region

Northeast CHP Application Center

Director: Larry Ambis

Phone: (413) 545-2539

E-mail: ambis@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

DOE Regional Contact

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

State Energy Office Contacts

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EERE Information Center

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

www.eere.energy.gov/informationcenter

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy