

Pennsylvania Industrial Resource Fact Sheet

Introduction

The industrial manufacturing sector accounts for 13.6 percent of Pennsylvania's gross domestic product (GDP) and 643,155 jobs, or 10.3 percent of the total civilian labor force. The industrial sector is Pennsylvania's leading energy-consuming sector, due in part to energy-intensive industries that include chemical manufacturing, food processing, metal casting, petroleum refining, and fabricated metals manufacturing based on total value of shipments. Local industry used 1,288.8 trillion British thermal units (Btu) in 2007, or 32.2 percent of all energy consumed in the state, earning Pennsylvania a ranking of 6th in the nation. Industrial natural gas consumption by that sector it totaled 204.2 trillion Btu, placing the state 9th in the nation. Moreover, the industrial manufacturing sector accounted for approximately 49.9 million metric tons of carbon dioxide emissions in 2005.

In February 2007, Governor Edward Rendell proposed the *Energy Independence Strategy* to manage statewide energy costs, move toward energy independence, and stimulate the economy. In order to support the initiative, funding was made available to help spur the development of renewable energy technologies and help utility customers and small businesses take steps to reduce their electricity consumption and save money. Pennsylvania's \$665.9 million investment in this initiative has led to the creation of multiple new energy conservation and renewable energy investment programs to help consumers save money and use energy more effectively. In particular, the Pennsylvania government, realizing the importance of businesses reducing their energy consumption, has allocated \$0.5 million dollars toward energy conservation grants for small businesses.



State Programs

State Government: The Pennsylvania Department of Environmental Protection (DEP) and the Pennsylvania Department of Agriculture, under the Pennsylvania Energy Harvest Grant Program, provide financial assistance for renewable energy technology generation. DEP also provides other grant programs for energy-efficient equipment and projects, technical and energy management assistance, and renewable energy production. The Pennsylvania Energy Development Authority offers funding for innovative, advanced energy projects, as well as financial assistance for businesses interested in locating or expanding their alternative-energy manufacturing or production operations in Pennsylvania. Finally, the Pennsylvania Department of Revenue offers tax exemptions for wind energy systems.

Local Government: The Philadelphia Municipal Energy Office will provide funding for the implementation of energy-saving practices in businesses. The city will also provide energy audits to pinpoint processes and areas for improvement, such as heating and cooling systems.

Utility Resources

Investor-Owned Utilities: Allegheny Power offers load management programs and an online energy management tool. In addition, PECO offers financial assistance for energy-efficient equipment and projects, as well as an online energy management tool. PECO customers also have access to the Sustainable Development Fund, which was created by the Pennsylvania Public Utility Commission to encourage investment in renewable energy. Furthermore, PPL Electric Utilities offers rebates for businesses that invest in green building designs. Finally, West Penn Power offers various financial incentives for energy-efficient or renewable energy equipment and projects.

Electric Cooperatives: Adams Electric Cooperative offers a load management program, an online energy management tool, low interest energy efficiency loans, and a water heater rebate. Bedford Rural Electric Cooperative provides energy efficiency rebates, while Central Electric Cooperative, Southwest Central Rural Electric Cooperative, Sullivan County Rural Electric Cooperative, Tri-County Rural Electric Cooperative, and Northwestern Rural Electric Cooperative offer a load management program. Additionally, Warren Electric Cooperative offers a rebate for energy-efficient water heaters.

Regional Resources

Clean Energy Application Center: The Mid-Atlantic CHP Application Center works to promote Combined Heat and Power (CHP) by providing information to all who are interested in CHP technologies or applications and offering technical services, such as site assessments.

Local Resources

Nonprofit Organizations: The Berks County Community Foundation, the Sustainable Energy Fund of Central Eastern Pennsylvania, and the Community Foundation for the Alleghenies offer financial assistance for energy efficiency, energy conservation, and renewable energy projects and technologies.

Industrial Assessment Centers: Lehigh University offers programs to help industrial manufacturers improve their cost and energy savings through its Industrial Assessment Center (IAC), offering free energy audits to small- and midsize manufacturing facilities.

Manufacturing Extension Partnerships: Catalyst Connection and the Northeastern Pennsylvania Industrial Resource Center are dedicated to helping small- and midsize industrial manufacturers in Pennsylvania improve energy efficiency, offering training, consulting, and financial assistance. Additionally, the Manufacturers Resource Center, the Mid-Pennsylvania Manufacturing Extension Partnership, and the Northwest Pennsylvania Industrial Resource Center identify resource options to help manufacturers develop strategies to grow their businesses. Finally, the Delaware Valley Industrial Resource Center is an economic development organization that focuses on providing consulting services to the region's manufacturing community.

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 –Pennsylvania (http://www1.eere.energy.gov/industry/about/state_activities/map_new.asp?stid=PA)

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

Pennsylvania Department of Environmental Protection (<http://www.depweb.state.pa.us>)

Philadelphia Municipal Energy Office (<http://www.phila.gov/energy/index.html>)

Adams Electric Cooperative (<http://www.adamsec.com>)

Allegheny Power (<http://www.alleghenypower.com>)

Bedford Rural Electric Cooperative (<http://www.bedfordrec.com>)

Berks County Community Foundation (<http://www.bccf.org>)

Central Electric Cooperative (<http://www.central.coop>)

Community Foundation for the Alleghenies (<http://www.cfalleghenies.org>)

Lehigh University (<http://www.lehigh.edu/~inluiac/>)

Northwestern Rural Electric Cooperative (<http://www.northwesternrec.com/>)

PPL Electric Utilities (<http://www.pplweb.com>)

Southwest Central Rural Electric Cooperative (<http://www.reaenergy.com>)

Sullivan County Rural Electric Cooperative (<http://www.screc.com>)

Sustainable Energy Fund of Central Eastern Pennsylvania (<http://thesef.org/>)

Tri-County Rural Electric Cooperative (<http://www.tri-countyrec.com>)

Warren Electric Cooperative (<http://warrenec.coop>)

West Penn Power (<http://www.wppsef.org>)

Contacts

Industrial Assessment Center for Region

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Manufacturing Extension Partnership in Pennsylvania

Catalyst Connection

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E-mail: info@catalystconnection.org

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

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

Manufacturers Resource Center

Director: Jack Pfunder

Phone: (610) 758-5599

E-mail: jack.pfunder@mrcpa.org

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

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

Delaware Valley Industrial Resource Center

Phone: (215) 464-8550

E-mail: bmiller@dvirc.org

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

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

Northwest Pennsylvania Industrial Resource Center

Phone: (814) 456-6299

E-mail: ckempinski@nwirc.org

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

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

Mid-Pennsylvania Manufacturing Extension Partnership

Phone: (717) 843-5054

E-mail: info@mantec.org

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

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

Northeastern Pennsylvania Industrial Resource Center

Phone: (570) 819-8966

E-mail: bill@nepirc.com

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

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

Clean Energy Application Center for Region

Mid-Atlantic CHP Application Center

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

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

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State Energy Office Contact

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EERE Information Center

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www.eere.energy.gov/informationcenter

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