Ohio Industrial Resource Fact Sheet

Introduction

The industrial manufacturing sector accounts for 17.8 percent of Ohio’s Gross Domestic Product and 755,714 jobs (or 13 percent of the total civilian labor force). With a large population and a heavily industrial economy, Ohio is among the top States in total energy consumption. In fact, Ohio’s industrial sector energy consumption ranks as one of the highest in the nation, largely due to several energy-intensive industries including chemicals, glass, metal casting, and steel. Local industry used 1,310.1 trillion Btu in 2006 (or 33.7 percent of all energy consumed in the state) and released 37.6 million metric tons of carbon dioxide into the atmosphere in 2005.

Ohio has realized the necessity of reducing their industrial sector’s energy consumption. In order to accomplish this, the state offers multiple resources to help reduce energy consumption. Ohio has created legislation to encourage investment in energy efficiency and renewable energy. For example, in 2008, Ohio enacted broad electric industry restructuring legislation (S.B. 221) containing alternative energy and renewable energy generation and procurement requirements for the state’s electric utilities. S.B. 221 requires utilities to implement energy efficiency and peak demand reduction programs to their customers in order to achieve a cumulative energy savings of 22 percent by the end of 2025, and reduce peak demand by 1.0 percent in 2009 and 0.75 percent annually thereafter through 2018.

State Programs

State Government: In addition to legislation, the state government offers the industrial sector funding opportunities along with business and technical services in order to help Ohio manufacturers became more competitive and to foster emerging energy technologies. The State of Ohio also offers tax credits for implementing renewable energy installations as well as loans for energy efficiency and renewable energy projects.

City/Town Government: The City of Cincinnati provides tax credits for implementing renewable energy generation.

Utility Resources

Investor-Owned Utilities: Several investor-owned utilities (IOUs) in Ohio provide industrial customers with incentives for engaging in energy saving activities. For instance, Duke Energy offers industrial customers incentives on the purchase of energy-efficient lighting, HVAC equipment, motors, and pumps among other devices. Another IOU, Vectren, serves customers by providing no-cost energy audits.

Public Power utilities: American Municipal Power and Oberlin Municipal Light and Power are public power utilities that offer cash incentives to customers who volunteer to allow the utility to power down HVAC equipment and water heaters during periods of high energy demand.

Electric Cooperatives: Within the state of Ohio, there are multiple electric cooperatives which offer industrial customers incentives aimed at increasing energy efficiency. The following table is a detailed breakdown of incentive programs by program type.

<table>
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<tr>
<th>NAME OF COOPERATIVE</th>
<th>ANALYSIS TOOLS</th>
<th>ENERGY AUDITS</th>
<th>REBATES</th>
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<td>Adams Rural Electric Cooperative</td>
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<td>Buckeye Rural Electric Cooperative</td>
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<td>Firelands Electric Cooperative</td>
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<td>Frontier Power</td>
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<td>Guernsey Muskingum Electric Cooperative</td>
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Regional Resources

Nonprofit Organizations: Midwest Energy Efficiency Alliance is a collaborative network advancing energy efficiency in the Midwest to support sustainable economic development and environmental preservation.

Industrial Assessment Centers: The University of Dayton’s Industrial Assessment Center helps industrial manufacturers improve their cost and energy savings through no-cost energy assessments to local manufacturers and identify ways for them to reduce their energy consumption.

Clean Energy Application Center: Midwest CHP Application Center works to develop technology application knowledge and the educational infrastructure necessary to foster combined heat and power as viable technical and financial energy, along with environmental option in the Midwest and reduce any perceived risks associated with its implementation.

Local Resources

Manufacturing Extension Partnership: Ohio Manufacturing Extension Partnership works to improve manufacturers’ profitability and productivity by providing technical and business assistance such as lean manufacturing strategic planning and manufacturing workshops.

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 Incentives and Resources Database (http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp)
Ohio Department of Development (http://www.odod.state.oh.us/cdd/oee/RE_wind.htm)
City of Cincinnati (http://www.cincinnati-oh.gov/cdap/pages/-3481-)
American Municipal Power-Ohio (http://www.ampp-ohio.org/services-loadmanagement.html)
Oberlin Municipal Light and Power (http://www.omlp.org/Commercial/PowerQualityMonitoring.htm)
Adams Rural Electric Cooperative (http://www.adamarc.com/Rebates.htm)
Buckeye Rural Electric Cooperative (http://www.buckcevers.com/main.htm)
Darke Rural Electric Cooperative (http://www.darkorce.com/geothermal.asp)
Firelands Electric Cooperative (http://www.firelandsec.com/members.aspx)
Frontier Power (http://www.frontierpower.com/programs/rebates/program/programs.htm)
Guernsey-Muskingum Electric Cooperative (http://www.gmelectric.com/Services/CentralAir.aspx)
Hancock-Wood Electric Cooperative (http://www.hwelectric.com/saving/echanges.htm)
Licking Rural Electrification (http://www.likrural.com/dualFuelFuel.aspx)
North Central Electric Cooperative (http://www.ncelectric.com/dualfuel.asp)
South Central Power Company (http://www.southcentralpower.com/electric/waterswitch.aspx)
Union Rural Electric Cooperative (http://www.ure.com/waterheaterbenefits.aspx)
Washington Electric Cooperative (http://www.weci.org/rebates.html)

Contacts

Industrial Assessment Center for Region
University of Dayton
Director: Dr. Kelly Kissock
Phone: (937) 229-2852
Fax: (937) 229-4766
Email: kkissock@udayton.edu

Manufacturing Extension Partnership in Ohio
Ohio Manufacturing Extension Partnership
Director: Beth Colbert
Phone: (614) 644-8788
Fax: (216) 787-3244
Email: beth.colbert@development.ohio.gov
Web Site: http://www.ohod.state.oh.us
Source: http://blue.nist.gov/centers/OH

Clean Energy Application Center for Region
Midwest CHP Application Center
Director: John Cuttica
Phone: (312) 996-4382
Email: cuttica@uic.edu
Web Site: http://www.chpcentermw.org/
Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

DOE Regional Contact
Brian Olsen, Energy Project Specialist
Phone: 303-275-4834
Email: brian.olsen@go.doe.gov
Source: http://www.eere.energy.gov/industry/about/contacts.html

State Energy Office Contact
Tony Sutor, Energy Specialist
77 South High Street, Floor 26
P.O. Box 1001
Columbus, OH 43216
Phone: 614-466-6797
Fax: 614-466-1864

State Energy Office Contact
Larry Boyd
Energy Industries of Ohio
Phone: 216-323-1898
Email: boyd@energyinohio.com
Source: http://www.energyinohio.com

EERE Information Center
1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov/informationcenter