

Ohio Industrial Resource Fact Sheet

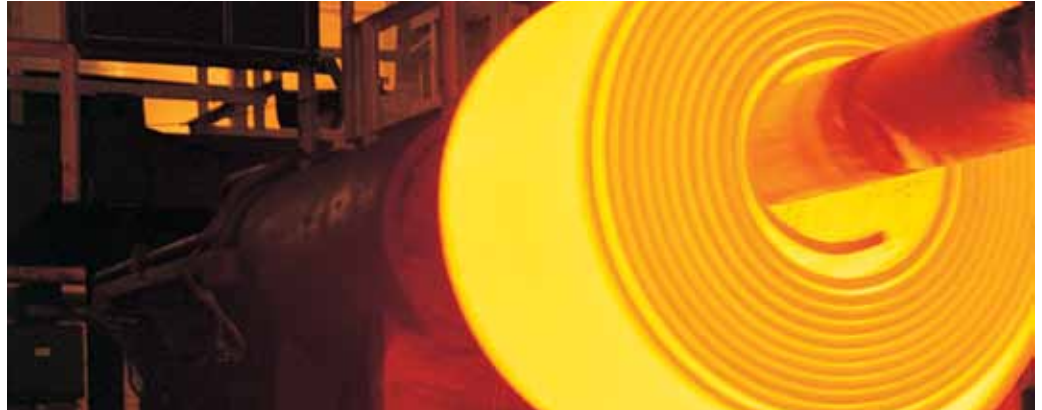
Introduction

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 become 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.

NAME OF COOPERATIVE	ANALYSIS TOOLS	ENERGY AUDITS	REBATES
Adams Rural Electric Cooperative			X
Buckeye Rural Electric Cooperative		X	X
Darke Rural Electric Cooperative			X
Firelands Electric Cooperative			X
Frontier Power			X
Guernsey Muskingum Electric Cooperative			X

NAME OF COOPERATIVE	ANALYSIS TOOLS	ENERGY AUDITS	REBATES
Hancock-Wood Electric Cooperative			X
Licking Rural Electrification			X
North Central Electric Cooperative			X
Northwestern Electric Cooperative		X	X
South Central Power Company			X
Union Rural Electric Cooperative	X	X	X
Washington Electric Cooperative		X	X

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 Activities Web site - Ohio (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=OH)
 ITP State Incentives and Resources Database (http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp)
 Energy Efficient Upgrades (<http://www.business.gov/expand/green-business/energy-efficiency/upgrades/office-equipment.html>)
 Ohio Department of Development (http://www.odod.state.oh.us/cdd/oe/RE_wind.htm)
 City of Cincinnati (<http://www.cincinnati-oh.gov/cdap/pages/-3481-/>)
 Duke Energy (<http://www.duke-energy.com/ohio-business/energy-management/energy-efficiency-incentives.asp>)
 Vectren (https://www.vectrenenergy.com/conservationConnection.do?origin_id=5&destination=audit&nexusAction=learnAbout&page=Spa)
 American Municipal Power- Ohio (<http://www.amp-ohio.org/services-loadmanagement.html>)
 Oberlin Municipal Light and Power (<http://www.omlps.org/Commercial/PowerQualityMonitoring.htm>)
 Adams Rural Electric Cooperative (<http://www.adamsrec.com/Rebates.htm>)
 Buckeye Rural Electric Cooperative (<http://www.buckeyerec.com/main/#>)
 Darke Rural Electric Cooperative (<http://www.darkerec.com/geothermal.asp>)
 Firelands Electric Cooperative (<http://www.firelandsec.com/members.aspx>)
 Frontier Power (<http://www.frontier-power.com/programs/rebateprograms/programs.htm>)
 Guernsey-Muskingum Electric Cooperative (<http://www.gmenergy.com/Services/Centralair.aspx>)
 Hancock-Wood Electric Cooperative (<http://www.hwelectric.com/saving/rcswitches.htm>)
 Licking Rural Electrification (<http://www.theenergycoop.com/duelfuel.aspx>)
 North Central Electric Cooperative (<http://www.ncelec.org/dualfuel.asp>)
 Northwestern Electric Cooperative (http://www.nwec.com/services/energy_audits.html)
 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

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 Web Site: <http://www.odod.state.oh.us>
 Source: <http://blue.nist.gov/centers/OH>

Clean Energy Application Center for Region
 Midwest CHP Application Center
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EERE Information Center

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