

Minnesota Industrial Resource Fact Sheet

Introduction

Minnesota's economy is ranked 16th in the nation in terms of 2008 gross domestic product (GDP), generating \$262.8 billion annually. The industrial manufacturing sector accounts for 94,332 jobs and \$ 40,778 million in shipments. Based on total value of shipments, the largest manufacturing sectors in the state are computer, petroleum, and machinery manufacturing, in addition to food processing. In 2007, Minnesota's industrial sector ranked 17th in the nation in terms of energy expended, accounting for 578.4 trillion British thermal units (Btu) or 30.9 percent of statewide energy consumption. The state's industrial natural gas consumption totaled 115.9 trillion Btu, which was 16th highest in the nation in 2007. Moreover, the Minnesota industrial sector accounted for approximately 14.5 million metric tons of carbon dioxide emissions.

The industrial sector consumes the highest percentage of the state's energy, prompting the state and utilities in Minnesota to make an effort to reduce the sector's energy consumption. For example, Minnesota lawmakers passed the Next Generation Energy Act of 2007, which called for investing in renewable power, increasing energy conservation, and decreasing Minnesota's contribution to global warming. A provision in the bill strengthened the requirements for Minnesota's natural gas and electric utilities to invest a portion of their revenues in energy-efficiency and conservation programs. In addition to legislation, Minnesota created the Office of Energy Security in order to provide consumers with access to available energy resources. Listed below are the additional resources available in the state.



State Programs

State Government: The Office of Energy Security, under the Minnesota Department of Commerce, offers energy-related tax credits, rebates, grants, and links to other energy-efficiency and renewable resources.

Utility Resources

Investor-Owned Utilities: All of the state's investor-owned utilities that have a strong industrial customer base offer incentives for those customers to improve their energy efficiency. For example, Minnesota Energy Resources offers rebates on certain energy-efficient equipment and energy audits, while Minnesota Power offers industrial customers grants for energy-efficiency projects. Otter Tail Power Company and Xcel Energy provide their industrial manufacturing customers with a portfolio of energy-efficiency incentives, including, rebates, energy assessments, online tools to measure and analyze energy consumption, loans, and grants. Finally, Alliant Energy offers a load-management program, industrial training and education, financial incentives (including cost sharing, rebates, and analysis tools), while CenterPoint Energy offers a load-management program, various industrial sector trainings, and energy-efficient equipment rebates.

Public Power Utilities: The Minnesota Municipal Power Agency (MMPA) provides power to 11 communities and offers industrial customers energy audits and rebates on energy-efficient equipment. Additionally, Southern Minnesota Municipal Power Agency (SMMMPA) generates and sells wholesale electricity to 18 municipal utility members and offers its industrial customers rebates for energy-efficient equipment with two member utilities—Owatonna Public Utilities and Rochester Public Utilities, who also offer load-management programs and renewable-energy-production incentives. A complete list of MMPA and SMMMPA members is included in the "For More Information" section of this document.

In addition, three publicly owned utilities—Alexandria Light and Power, Barnesville Electric Department, and Elk River Municipal Utilities—offer industrial customers load-management programs and energy-efficient-equipment rebates. Hibbing Public Utilities offers grants for energy-efficiency or renewable-energy systems, while Brainerd Public Utilities and Moorhead Public Service offers financial incentives and energy audits for improved energy efficiency. Finally, the following public power utilities offer rebates to their industrial customers that purchase and install energy-efficient equipment in their plants—Blue Earth Light and Power,

INDUSTRIAL TECHNOLOGIES PROGRAM

City of North St. Paul Electric Utility, Detroit Lakes Public Utility, Marshall Municipal Utilities, Mountain Lake Municipal Utilities, New Ulm Public Utilities, Willmar Municipal Utilities, Windom Utilities Department, and Worthington Public Utilities.

Electric Cooperatives: Great River Energy (GRE), which provides wholesale power to 28 distribution cooperatives in Minnesota and Wisconsin, is the second largest wholesale electric-power supplier in the state and the fifth largest generation and transmission cooperative in the United States in terms of assets, offers, grants, loans, and rebates for electric-energy-efficiency improvements, energy assessments, load-management programs, and engineering-design assistance for qualified businesses. A complete list of Great River Energy members is listed under the “For More Information” section of this document.

Non-GRE member cooperatives also offer incentives and resources to their industrial customers. For example, Lake County Power offers grants for energy-efficiency improvements, Lyon-Lincoln Electric Cooperative offers a load-management program, rebates, and loans for energy-efficient equipment, while PKM, Red River Valley Cooperative Association, and Rouseau Electric Cooperative offer rebates and loans, and Todd-Wadena Electric Cooperative offers energy-efficient grants and energy audits. In addition, Beltrami Electric Cooperative, People’s Cooperative Services, Renville-Sibley Cooperative Association, and Wild Rice Electric Cooperative offer equipment rebates. Finally, Tri-County Electric offers no-cost energy assessments.

Regional Resources

Industrial Assessment Center: Minnesota does not have an Industrial Assessment Center (IAC), but due to its close proximity to Iowa State University, Minnesota’s small and midsize manufacturers can receive no-cost energy assessments from its federally sponsored IAC.

Clean Energy Application Center: The Midwest CHP Application Center works to develop technology-application knowledge and the educational infrastructure necessary to foster Combined Heat and Power (CHP) as a viable technical and financial energy, and environmental option in the Midwest. Additionally, the center strives to reduce any perceived risks associated with its implementation.

Local Resources

Manufacturing Extension Partnership: Minnesota Technology Inc. helps Minnesota’s small- and medium-sized manufacturers compete and grow by providing services, such as Lean Enterprise, Supply Chain, and Training with Industry.

University of Minnesota Technical Assistance Program: This program provides technical assistance to manufacturers for pollution prevention and energy efficiency.

For More Information (*1) (^2) (~3)

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

Office of Energy Security (<http://www.state.mn.us/portal/mn/jsp/home.do?agency=Energy>)

Agralite Electric Cooperative ^ (<http://www.agralite.coop>)

Alliant Energy (<http://www.alliantenergy.com/index.htm>)

Arrowhead Electric Cooperative ^ (<http://www.aecimn.com>)

Austin Utilities ~ (<http://www.austinutilities.com/default.asp>)

Barnesville Electric Department (<http://www.barnesvillemn.com/moving/electric.html>)

Beltrami Electric Cooperative (<http://www.beltramielectric.com>)

Benco Electric Cooperative ^ (<http://www.benco.org>)

Brainerd Public Utilities (<http://www.bpu.org/index.htm>)

Brighter Ideas ^ (<http://www.mnbrighterideas.com/Home.gre>)

Brown County Rural Electric Association ^ (<http://www.browncountyrea.coop>)

Blooming Prairie Public Utilities ~ (<http://www.bloomingprairie.com/>)

Blue Earth Light and Water (<http://www.belw.org/index.asp>)

Buffalo Municipal Utilities (<http://www.ci.buffalo.mn.us/Utilities/index.htm>)

CenterPoint Energy (<http://www.centerpointenergy.com>)

City of Anoka * (http://www.anoka.govoffice2.com/index.asp?Type=B_BASIC&SEC={4D803D5F-067A-49B2-A1D8-5FD388B79DA6})

City of Arlington * (<http://www.arlingtonmn.com/citydepts/utility/index.php>)

City of Brownton * (http://cityofbrownton.com/main.asp?SectionID=13&TM=49989.75#Index_U)

City of Buffalo * (<http://www.ci.buffalo.mn.us/Utilities/index.htm>)

City of Chaska * (<http://www.chaskamn.com/municipal-services.cfm>)

City of East Grand Forks * (<http://www.ci.east-grand-forks.mn.us/wl/index.html>)

City of Le Sueur * (<http://www.cityoflesueur.com/electric-department/>)

City of North St. Paul * (http://www.northsaintpaul.govoffice.com/index.asp?Type=B_BASIC&SEC={BEB6715B-DA4E-4BBE-8701-FDF348AEBBF7})

City of Olivia * (<http://www.olivia.mn.us/index.asp?Type=POLLING&SEC={76B2FF1F-7345-4B96-9EE0-1FC4C7E27FEC}>)

City of Shakopee * (<http://www.shakopeeutilities.com/>)

City of Winthrop * (<http://www.winthropminnesota.com/index.asp?Type=NONE&SEC={45460556-1451-4E6A-AD60-DE1050FBA145}>)

Connexus Energy ^ (<http://www.connexusenergy.com>)

Cooperative Light & Power ^ (<http://www.clpower.com>)

Crow Wing Power ^ (<http://www.cwpower.com>)

Dakota County Electric Cooperative ^ (<https://www.dakotaelectric.com>)

East Central Energy ^ (<https://www.eastcentralenergy.com>)

Elk River Municipal Utilities (<http://www.elkriverutilities.com/index.php>)

Fairmont Public Utilities ~ (<http://www.fairmont.org/>)

Federated Rural Electric ^ (<http://www.federatedrea.coop>)

Great River Energy ^ (<http://www.greatriverenergy.com/index.html>)

Goodhue County Cooperative ^ (www.gccca.com)

Grand Marais Public Utilities ~ (<http://www.ci.grand-marais.mn.us/>)

Hibbing Public Utilities (<http://www.hpuc.com/>)

Itasca-Mantrap Cooperative ^ (<http://www.itasca-mantrap.com>)

Kandiyohi Power Cooperative ^ (<http://www.kpcoop.com>)

Lake City Utilities ~ (<http://www.ci.lake-city.mn.us/>)

Lake Country Power ^ (<http://www.lakecountrypower.coop>)

Lake Region Electric Cooperative ^ (www.lrec.coop)

Litchfield Public Utilities ~ (<http://www.ci.litchfield.mn.us/>)

Lyon-Lincoln Electric Cooperative (<http://www.lyon-lincolnelectric.coop/index.htm>)

McLeod Cooperative Power ^ (<http://www.mcleodcoop.com>)

Meeker Cooperative ^ (<http://www.meeker.coop>)

Mille Lacs Energy ^ (<http://www.mlecmm.net>)

Minnesota Energy Resources (<http://www.minnesotaenergyresources.com/>)

Minnesota Municipal Power Agency * (<http://www.mmpa.org/About-MMPA.aspx>)

Minnesota Valley Electric Cooperative ^ (<http://www.mvec.net>)

Mora Municipal Utilities ~ (<http://www.ci.mora.mn.us/>)

New Prague Utilities ~ (<http://www.ci.new-prague.mn.us/>)

North Branch Municipal Water & Light ~ (<http://www.ci.north-branch.mn.us/>)

Nobles Cooperative Electric ^ (www.noblesce.coop)

North Itasca Electric Cooperative ^ (www.northitascaelectric.com)

Owatonna Public Utilities ~ (<http://www.owatonnautilities.com/>)

Preston Public Utilities ~ (<http://www.prestonmn.org/>)

Princeton Public Utilities ~ (<http://www.princetonmn.org/>)

Redwood Electric ^ (<http://www.mnbrighterideas.com/RedwoodElectricCooperative.gre>)

Redwood Falls Public Utilities ~ (<http://www.ci.redwood-falls.mn.us/>)

Rochester Public Utilities ~ (<http://www.rpu.org/>)

Runestone Electric Association ^ (<http://www.runestoneelectric.com>)

Saint Peter Municipal Utilities ~ (<http://www.saintpetermn.gov/>)

South Central Electric ^ (<http://www.southcentralelectric.com>)

Southern Minnesota Municipal Power Agency ~ (<http://www.smmmpa.org/>)

Spring Valley Public Utilities ~ (<http://springvalley.govoffice.com/>)

Stearns Electric Association ^ (<https://www.stearnslectric.org>)

Steele-Waseca Cooperative ^ (www.swce.coop)

Todd-Wadena Electric ^ (<http://www.toddwadena.coop>)

Waseca Utilities ~ (<http://www.ci.waseca.mn.us/>)

Wells Public Utilities ~ (<http://www.wells.govoffice.com/>)

Wright-Hennepin Cooperative ^ (<http://www.whe.org>)

Xcel Energy (<http://www.xcelenergy.com>)

¹Utilities designated with an asterisk (*) are members of Minnesota Municipal Power Agency.

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Web site: <http://www.enterpriseminnesota.org>
Source: <http://blue.nist.gov/centers/MN>

Clean Energy Application Center for Region
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Web site: <http://www.chpcentermw.org/>
Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

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