

North Dakota Industrial Resource Fact Sheet

Introduction

North Dakota's economy is ranked 50th in the nation in terms of 2008 gross domestic product (GDP), generating \$31 billion annually. The industrial manufacturing sector in North Dakota accounts for 23,037 jobs, and the largest industries are machinery manufacturing, food manufacturing, and computer and electronic product manufacturing, based on total value of shipments. Local industry ranked 38th in the nation in terms of energy expended, accounting for 198.8 trillion British thermal units (Btu) in 2007, or 46.4 percent of all energy consumed in the state. In fact, the industrial sector consumes almost the same amount of energy as the commercial, residential, and transportation sectors combined. Moreover, industrial natural gas consumption totaled 26.4 trillion Btu, which was 38th highest in the nation. The sector also accounted for approximately 12.5 million metric tons of carbon dioxide emissions.

The state is working to promote energy efficiency and renewable energy, as outlined in *North Dakota's Energy Policy of 2009*. Several cooperatives with sizeable industrial customer bases have begun to offer a portfolio of resources including energy assessments, loans, rebates, and load managers to provide additional assistance to customers as they work to lower their energy intensity.



State Programs

State Government: The North Dakota Department of Commerce, Division of Community Services (DCS) offers financial incentives, such as grants, loans, and tax credits for installation of equipment or systems that generate renewable energy. DCS' Web site also provides links to additional energy efficiency resources.

Utility Resources

Investor-Owned Utilities: The North Dakota Department of Commerce, Division of Community Services (DCS) offers financial incentives, such as grants, loans, and tax credits for installation of equipment or systems that generate renewable energy. DCS' Web site also provides links to additional energy efficiency resources.

Electric Cooperatives: Basin Electric Power Cooperative (BEPC), which is a regional consumer-owned wholesale power supplier that generates and transmits electricity to 125 member rural electric systems in nine states, offer rebates and low-interest loans for energy efficiency improvements. Additionally, some of the individual member systems offer further incentives to industrial customers. For example, Capital Electric Cooperative and Dakota Valley Electric Cooperative offer load management and loan programs, McLean Electric Cooperative offers loan and rebate programs, North Central Electric Cooperative and Northern Plains Electric Cooperative offer loan and/or energy assessment programs, and Verendrye Electric Cooperative offers a rebate program.

Furthermore, Burke-Divide Electric Cooperative, McKenzie Electric Cooperative, Nodak Electric Cooperative, and Slope Electric Cooperative offer energy-efficiency loan programs, while Mor-Gran-Sou Electric Cooperative offers loan and rebate programs. Cass County Electric Cooperative offers a load management program, energy audits, and energy-efficiency improvements loans and rebates. Finally, KEM Electric Cooperative and Rough Rider Electric Cooperative offer loan, rebate and load management programs.

A complete list of BEPC members in the state are listed under the "For More Information" section.

Regional Resources

Industrial Assessment Center: Though North Dakota does not have an Industrial Assessment Center (IAC) within the state, North Dakota's manufacturers can receive no-cost energy assessments from the Colorado State University 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 viable technical and financial energy/environmental option in the Midwest and reduce any perceived risks associated with its implementation.

Local Resources

Manufacturing Extension Partnership: The North Dakota Manufacturing Extension Partnership is a nonprofit corporation dedicated to improving the competitiveness, productivity, and profitability of companies in the Dakotas. The organization provides assessments, technical assistance, financial assistance, and training services.

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 – North Dakota
(http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=ND)

Division of Community Services (DCS) (<http://www.communityservices.nd.gov/>)

Basin Electric Power Cooperative * (<http://www.basinelectric.com/index.html>)

Burke-Divide Electric Cooperative (<http://www.bdec.coop/index.htm>)

Capital Electric Cooperative * (<http://www.capitalelec.com>)

Cass County Electric Cooperative (<http://www.kwh.com/default.asp>)

Dakota Valley Electric Cooperative * (<http://www.dakotavalley.com/>)

KEM Electric Cooperative (<http://www.kemelectric.com/index.htm>)

McLean Electric Cooperative * (<http://www.mcleanelectric.coop>)

Montana-Dakota Utilities Co. (<http://www.montana-dakota.com/Pages/overview.aspx>)

Mor-Gran-Sou Electric Cooperative (<http://www.morgransou.com>)

Nodak Electric Cooperative (<http://www.nodakelectric.com>)

North Central Electric Cooperative * (<http://www.nceci.com/>)

Northern Plains Electric Cooperative * (<http://www.nplains.com>)

Otter Tail Corporation (<http://www.otpeco.com>)

Slope Electric Cooperative (<http://www.slopeelectric.coop>)

Rough Rider Electric Cooperative (<http://roughriderelectric.com/>)

Verendrye Electric Cooperative * (<http://www.verendrye.com/default.asp>)

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

Utilities designated with an asterisk (*) are members of Basin Electric Power Cooperative

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