

## South Dakota Industrial Resource Fact Sheet

### Introduction

South Dakota's economy is ranked 48th in the nation in terms of 2008 gross domestic product (GDP), generating \$37 billion annually. The industrial manufacturing sector accounts for 38,217 jobs and \$5,422 million worth of goods. Based on total value of shipments, the largest manufacturing sectors in the state are food, machinery, and computer and electronic product manufacturing. In 2007, South Dakota's industrial sector ranked 46th in the nation in terms of energy expended, accounting for 74.8 trillion British thermal units (Btu), or 25.6 percent of statewide energy consumption. The state's industrial natural gas consumption tallied 21.3 trillion Btu, which was 41st in the nation that year. Moreover, the industrial sector in South Dakota accounted for approximately 16.3 million metric tons of carbon dioxide emissions in 2005.

There are multiple resources available throughout South Dakota that plant managers can consult for energy efficiency/renewable energy information or assistance in financing energy efficiency improvements/renewable energy projects in a facility. In particular, the state is encouraging utility companies to offer energy efficiency programs to customers. One such initiative is a voluntary program called the South Dakota Energy Smart Pledge, which all of the state's investor-owned energy providers have signed in order to pledge their support of improving energy efficiency in South Dakota.

### State Programs

*State Government:* The South Dakota Department of Revenue and Regulation offers tax exemptions for energy-efficient and renewable energy equipment. Additionally, the South Dakota Public



Utilities Commission coordinates the South Dakota Energy Smart Program, which is a state-wide initiative designed to foster the development, implementation, and promotion of energy efficiency programs in South Dakota.

### Utility Resources

*Investor-Owned Utilities:* All of South Dakota's investor-owned utilities (IOUs) participate in the South Dakota Energy Smart Program. In addition, Black Hills Power offers a load management program, energy efficiency rebates, online tools, energy analysis, and technical assistance. MidAmerican Energy provides online tools and energy efficiency rebates. Moreover, NorthWestern Energy offers free energy technical assistance to industrial customers, and Montana-Dakota Utilities offers energy efficiency rebates. Otter Tail Power Company offers loans and rebates for energy-efficient equipment. Additionally, Xcel Energy provides energy management tools and reports for industrial manufacturing customers.

*Public Power utilities:* Two city utility departments also offer energy efficiency programs for local industry. Groton Electric offers financial incentives for having controlled electric hot water heaters or air conditioners, while Madison Electric Department offers a load management program.

*Electric Cooperatives:* Basin Electric Power Cooperative (BEPC), a regional consumer-owned wholesale power supplier that generates and transmits electricity to 125 member rural electric systems in nine states, offers rebates and low-interest loans for energy efficiency improvements. Some individual members of the cooperative offer additional programs, such as Black Hills Electric Cooperative, which provides analysis and assistance tools. Charles Mix Electric and Heartland Consumers Power District (non-member) have load management programs. A complete list of Basin Electric Power Cooperative members in the state are listed under the "For More Information" section.

### Regional Resources

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

# INDUSTRIAL TECHNOLOGIES PROGRAM

*Industrial Assessment Centers:* While South Dakota does not have an Industrial Assessment Center (IAC) within the state, it shares a close proximity with two other state centers. The Colorado State University and the Iowa State University IACs both provide manufacturers with no-cost energy assessments.

*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 Partnerships:* The South Dakota Manufacturing Extension Partnership provides companies with services and access to public and private resources that enhance growth, improve productivity, and expand capacity. This organization's services are focused on helping companies improve financial performance, develop customers and markets, strengthen business processes, and build the capacity of their people.

## 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 – South Dakota ([http://www1.eere.energy.gov/industry/states/state\\_activities/map\\_new.asp?stid=SD](http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=SD))  
ITP State Incentives and Resources Database ([http://www1.eere.energy.gov/industry/about/state\\_activities/incentive\\_search.asp](http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp))  
South Dakota Public Utilities Commission (<http://www.puc.sd.gov/>)  
South Dakota Energy Smart program (<http://www.sdenergysmart.com/AboutUs.aspx>)  
South Dakota Department of Revenue and Regulation (<http://www.state.sd.us/drr2/>)  
Basin Electric Power Cooperative \* (<http://www.basinelectric.com/index.html>)  
Black Hills Electric Cooperative \* (<http://www.bhec.coop>)  
Black Hills Power (<http://www.blackhillspower.com>)  
Bon Homme Yankton Electric \* (<http://www.byelectric.com>)  
Butte Electric Cooperative \* (<http://www.butteelectric.com>)  
Cam Wall Electric Cooperative \* (<http://www.cam-walnet.com>)  
Central Electric Cooperative \* (<http://www.centralec.coop>)  
Charles Mix Electric Association \* (<http://www.charles-mix.com/index.html>)  
Clay-Union Electric Corporation \* (<http://www.clayunionelectric.coop/index.htm>)  
Codington-Clark Electric Cooperative \* (<http://www.codingtonclarkelectric.coop>)  
Dakota Energy Cooperative \* (<http://www.dakotaenergy.coop/>)  
FEM Electric Association \* (<http://www.femelectric.coop>)  
Grand Electric Cooperative \* (<http://www.grandelectric.coop/default.htm>)  
Groton Electric ([http://www.grotonsd.com/city/electric\\_dept.htm](http://www.grotonsd.com/city/electric_dept.htm))  
H-D Electric Cooperative \* (<http://www.h-delectric.coop>)  
Heartland Consumers Power District (<http://www.hcpd.com>)  
Kingsbury Electric Cooperative \* (<http://www.kingsburyelectric.coop>)  
Lake Region Electric \* (<http://www.lakeregion.coop>)  
Madison Electric Department (<http://www.cityofmadison.sd.com>)  
MidAmerican Energy (<http://www.midamericanenergy.com/default.asp>)  
Midwest Energy Efficiency Alliance (<http://www.mwalliance.org/>)  
Montana-Dakota Utilities (<http://www.montana-dakota.com>)  
Moreau-Grand Electric \* (<http://www.mge.coop/>)  
Northern Electric Cooperative \* (<http://www.northernelectric.coop>)  
NorthWestern Energy (<http://www.northwesternenergy.com>)  
Oahe Electric \* (<http://www.oaheelectric.com>)  
Otter Tail Power Company (<http://www.otpc.com>)  
Sioux Valley Energy \* (<http://www.svswe.com/index.php>)  
Southeastern Electric \* (<http://www.southeasternelectric.com>)  
Union County Electric Cooperative \*  
West Central Electric Cooperative \* (<http://www.wcenet.com>)  
West River Electric Association \* (<http://www.westriver.com>)  
Whetstone Valley Electric Cooperative \* (<http://www.whetstone.coop>)

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

## Contacts

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

*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](http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html)

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### EERE Information Center

1-877-EERE-INF (1-877-337-3463)  
[www.eere.energy.gov/informationcenter](http://www.eere.energy.gov/informationcenter)