

Wyoming Industrial Resource Fact Sheet

Introduction

Wyoming's economy is ranked 49th in the nation in terms of 2008 gross domestic product (GDP), generating \$35.3 billion annually. The largest manufacturing sectors in the state are chemical and fabricated metal manufacturing, which account for 3,507 jobs and \$1,937 million of shipments. In 2007, Wyoming's industrial sector ranked 32nd in the nation in terms of energy expended, accounting for 263.4 trillion British thermal units (Btu), or 53.0 percent of statewide energy consumption. The state's industrial natural gas consumption tallied 77.7 trillion Btu, which was 27th in the nation that year. In fact, Wyoming's per capita energy consumption is the second highest in the nation due to an energy-intensive economy that is dependant on fossil fuel extraction, processing, and transportation. Furthermore, the industrial sector is the state's leading consumer of energy. Moreover, the industrial sector in Wyoming accounted for approximately 15.9 million metric tons of carbon dioxide emissions according to 2005 data.

Wyoming has provided its industrial manufacturers opportunities and resources to improve energy efficiency and decrease carbon emissions. In 2003, the Wyoming legislature made the sales of equipment used to generate electricity from renewable resources exempt from the state excise tax. However, the exemption is limited to the acquisition of equipment used in a project to make it operational up to the point of interconnection with an existing transmission grid. The state government also offers other financial incentives to encourage the industrial sector to invest in energy efficiency and renewable energy measures. In fact, the Wyoming government created its State Energy Program with the goal of expanding



opportunities for alternative or renewable energy use in Wyoming using domestic fuels or resources. Additionally, many of the state's utilities offer energy efficiency improvements/renewable energy resources.

State Programs

State Government: The State of Wyoming, through the Wyoming Building Council, provides industrial operations with no-cost energy audits and low-interest loans on equipment including lighting, variable speed drives, motors, controls measures, building insulation, boiler replacements and chiller replacements, as well as technical assistance for initiatives like streamlining processes and making them more effective. The Wyoming Building Council also offers Industrial Development Revenue Bonds, which are available for projects including the expansion of existing manufacturing/processing facilities, construction of new manufacturing facilities, and the purchase of new machinery and/or equipment.

County Government: Uinta County has made low-interest loans available to industrial manufacturers to finance energy conservation or building renovation projects.

Utility Resources

Investor-Owned Utilities: There are multiple investor-owned utilities (IOUs) in Wyoming that provide industrial customers with incentives for engaging in energy saving activities. For example, Rocky Mountain Power offers incentives on energy-efficient new construction projects, and energy efficiency retro-fits, as well as credits on renewable energy installations. Similarly, Questar Gas provides incentives on natural-gas-saving devices including water heaters, boilers, spray valves, programmable thermostats, and various types of industrial or space heating systems.

Other IOUs that offer industrial customers energy-efficient incentive programs are Black Hills Power and Montana-Dakota Utilities. Incentives available from Black Hills Power include cash rebates on implementing renewable energy systems, lighting, motors, computers, HVAC systems, vending machines, refrigeration equipment, and steam-to-heat conversion units. Montana-Dakota Utilities supplies incentive payments for the purchase of energy-efficient lighting.

INDUSTRIAL TECHNOLOGIES PROGRAM

Public Power utilities: Several public power utilities in Wyoming provide energy saving programs for industrial customers. Gillette Electrical Services, for instance, offers comprehensive energy audits, while Lower Valley Energy provides cash rebates on the purchase of energy-efficient lighting.

Electric Cooperatives: Within the state of Wyoming, there are multiple electric cooperatives that offer industrial customers incentives aimed at increasing energy efficiency. One such example is Carbon Power and Light, which provide industrial manufacturers with incentive payments on energy-efficient heating systems, water heaters, and motors. Similarly, High West Energy supplies industrial customers with rebates on energy-efficient equipment like electric thermal storage (ETS) heating units, motors, and water heaters. Niobrara Electric also offers financial incentives on installing energy-efficient hot water heaters and geothermal heat pumps. Other electric cooperatives that provide incentives on the purchase of energy-saving water heaters include Powder River Energy and the Wheatland Rural Electric Association.

Regional Resources

Industrial Assessment Center: Though there is no industrial assessment center (IAC) within the state, Wyoming manufacturers can utilize the Colorado State University IAC, which offers no-cost energy assessments.

Clean Energy Application Center: The Intermountain CHP Application Center was created by the U.S. Department of Energy to increase adoption of Combined Heat and Power (CHP). This center provides end users with project support and facilitations, education and outreach, and market assessment, along with other CHP information including available financial incentives.

Local Resources

Manufacturing Extension Partnerships: Manufacturing-Works provides manufacturers with technical assistance, such as business assessments, training, growth services, environmental sustainability, and lean manufacturing.

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 - Wyoming (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=WY)

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>)

Wyoming Business Council (http://www.wyomingbusiness.org/business/energy_smallbusaudit.aspx)

Uinta County (<http://www.uintacounty.com/index.asp?NID=296>)

Black Hills Power (<http://www.blackhillspower.com/cimktg.htm>)

Montana-Dakota Utilities (<http://www.montana-dakota.com/Wyoming/Conservation/Pages/CommercialLightingProgram.aspx>)

Rocky Mountain Power (<http://www.rockymountainpower.net/Navigation/Navigation85876.html>)

Questar Gas (<http://www.thermwise.com/wy/wyindex.html>)

Gillette Electrical Services (<http://www.ci.gillette.wy.us/util/audit.html>)

Lower Valley Energy (<http://www.lvenergy.com/conservation.php>)

Carbon Power and Light (<http://www.carbonpower.com/rebates.htm>)

High West Energy (http://highwest-energy.com/index.php?option=com_content&task=view&id=22&Itemid=33)

Niobrara Electric (<http://www.tristategt.org/nb/services/services.cfm>)

Powder River Energy (<http://www.precorp.coop/MemberServices/ConservationLoan/clp.cfm>)

Wheatland Rural Electric Association (<http://www.wheatlandrea.com/products/WHeaters.cfm>)

Contacts

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Manufacturing Extension Partnership in Wyoming

Manufacturing- Works

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Web site: <http://www.manufacturing-works.com/>

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

Clean Energy Application Center for Region
Intermountain CHP Application Center

Director: Patti Case

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E-mail: plcase@etcgrp.com

Web site: <http://www.intermountainchp.org/>

Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

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www.eere.energy.gov/informationcenter

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