

New Mexico Industrial Resource Fact Sheet

Introduction

New Mexico's economy is ranked 38th in the nation in terms of 2008 gross domestic product (GDP), generating \$79.9 billion annually. Industrial manufacturing is an important sector of New Mexico's economy, providing the state with 14,560 jobs and supplying \$5,267 million worth of goods. The largest manufacturing sectors in the state are electronic products and food manufacturing in based on total value of shipments. In 2007, New Mexico's industrial sector ranked 33rd in the nation in terms of energy expended, accounting for 251.9 trillion British thermal units (Btu), or 35.4 percent of all energy consumed statewide. The state's natural gas consumption tallied 104.2 trillion Btu, which was 20th most in the nation for that year. Moreover, the industrial sector accounted for approximately 8.0 million metric tons of carbon dioxide emissions according to 2005 data.

In recent years, New Mexico has implemented measures to aid industrial manufacturers in improving their energy efficiency and decreasing overall carbon emissions. For example, the *Efficient Use of Energy Act*, passed in 2005 and enhanced in 2008, provided a framework for energy efficiency activities within the state. The legislation calls for a 20 percent reduction in per capita energy usage from 2005 levels by the year 2025, with an interim goal of a 10 percent reduction by 2012. To accomplish this, the legislation mandated utilities across the state to employ any energy efficiency programs that are "cost-effective and achievable." These programs encompass all economic sectors, and multiple resources have been made available throughout the state that plant managers can consult for energy efficiency assistance.



State Programs

State Government: The State of New Mexico awards low-interest loans and tax credits to businesses that engage in energy efficiency efforts and construct renewable energy projects. Activities eligible for these incentives include employing energy-efficient building techniques, installing solar generation capacity, and utilizing energy from biomass.

Utility Resources

Investor-Owned Utilities: Several investor-owned utilities (IOUs) in New Mexico provide industrial customers with incentives for engaging in energy saving activities. For example, Xcel Energy offers incentives including cash rebates on high-efficiency lighting, HVAC units, and customized energy efficiency projects, as well as a host of energy analysis and assessment tools. Other IOUs that offer incentive programs to industrial customers are PNM, New Mexico Gas Company, and El Paso Electric. PNM's programs include incentive payments for renewable energy generation, for installing energy saving lighting, water heaters, and cooling systems, and for voluntarily reducing peak hour demand. El Paso Electric offers industrial customers an assortment of energy analysis tools. Finally, the New Mexico Gas Company offers non-residential customers rebates for the purchase and installation of energy-efficient water heaters.

Public Power Utilities: The City of Farmington Electric Utility is a public power utility that provides energy audits to non-residential customers that identify areas where a plant/facility are not consuming energy effectively.

Electric Cooperatives: Within New Mexico, there are multiple electric cooperatives that offer incentives to industrial customers aimed at increasing energy efficiency. For instance, Kit Carson Electric Cooperative offers cash rebates on heat pump installations and energy efficient computer equipment, as well as an assortment of energy analysis and assessment tools. Energy audits and assessments are also provided by Electric, Farmers Electric Cooperative, Northern Rio Arriba Electric Cooperative, Columbus, and Socorro Electric Cooperative. Socorro Electric Cooperative also awards low-interest loans and rebates to customers for the purchase of energy-efficient water heaters. Low-interest loans dedicated to renewable energy and energy efficiency projects are also available for customers of Roosevelt County Electric Cooperative.

Regional Resources

Industrial Assessment Center: Though New Mexico does not have an Industrial Assessment Center (IAC) within the state, New Mexican manufacturers can utilize the services provided by the Colorado State University IAC, which offers no-cost energy assessments.

Clean Energy Application Center: The Intermountain CHP Application Center was formed 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 Partnership: The New Mexico Manufacturing Extension Partnership offers services such as Lean Manufacturing, Quality Systems, Supply Chain Management, Business Planning, and Technical Standards.

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 - New Mexico (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=NV)

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>)

New Mexico Energy, Minerals and Natural Resources Department (<http://www.cleanenergynm.org>)

New Mexico Finance Authority (<http://www.nmfa.net>)

New Mexico Taxation and Revenue Department (<http://www.tax.state.nm.us/>)

Xcel Energy (http://www.xcelenergy.com/Business/Programs_Resources/ConservationRebates_Incentives_Business/Pages/Lighting_Efficiency.aspx)

PNM (<http://www.pnm.com/customers/pv/program.htm?source=mybusiness>)

El Paso Electric (<http://www.epelectric.com/Site/ybusiness.nsf/bf25ab0f47ba5dd785256499006b15a4/2b86a8d3759bc4198725712d006df424?OpenDocument>)

City of Farmington Electric Utility (http://www.fmtn.org/city_government/electric_utility/44/customer_service.html)

Columbus Electric (<http://www.columbusco-op.org/services/services.cfm>)

Farmers Electric Cooperative (<http://www.farmerelectric.org/spreadsheet.htm>)

Kit Carson Electric Cooperative (<http://www.kitcarson.com/highspeed/products.html>)

Northern Rio Arriba Electric Cooperative (http://www.noraelectric.org/Services/Energy_Audit.cfm)

Roosevelly County Electric Cooperative (<http://www.rcec.org/rcechome/loan/loan-pro.htm>)

Socorro Electric Cooperative (http://www.socorroelectric.com/services/water_heater.asp)

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Manufacturing Extension Partnership in
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New Mexico Management Extension Partnership

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E-mail: info@newmexicomep.org

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

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

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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