

Electronic Handbook of Industrial Resources
NORTH DAKOTA

MONTANA



MINNESOTA

SOUTH DAKOTA

Electronic Handbook of Industrial Resources

NORTH DAKOTA

November 2010

Introduction

This handbook provides a comprehensive listing of incentives, tools, and resources for industrial manufacturing energy efficiency in the state of North Dakota. The document is organized according to industrial system and features information on rebates, waived fees, tax credits, loans, and other resources, such as analysis tools, education and training programs, and energy assessments. The handbook is based on data available in the *States Incentives and Resources Database*, which is maintained by the U.S. Department of Energy (DOE) Industrial Technologies Program (ITP).

The *States Incentives and Resources Database* is a comprehensive searchable online database of approximately 3,100 energy efficiency incentives organized by state. The database is updated regularly and is accessible via the Save Energy Now State and Regional Partnerships' Web site:

http://www1.eere.energy.gov/industry/states/state_activities/incentive_search.aspx



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State Industrial Overview

North Dakota has 0.6 million residents. North Dakota is ranked 50th in terms of GDP, representing \$31.2 billion. In 2008, North Dakota ranked 37th in the nation's industrial energy consumption at 213.7 trillion Btu and 39th in the nation's industrial natural gas consumption at 30.2 trillion Btu. North Dakota's leading industries include machinery manufacturing, food manufacturing, and computer and electronic product manufacturing.¹ Almost one-half of the state's total energy consumption is from industrial use.²

North Dakota has considerable fossil fuel reserves, accounting for approximately 2% of the total U.S. crude oil production. Nearly all the electricity generated in North Dakota is produced by coal-fired plants. Coal is extracted from surface mines in central North Dakota. North Dakota is also a leader in the nation for wind energy potential.³

Exhibit 1 below compares the industrial energy consumption in North Dakota in relation to the national average. The chart in Exhibit 2 is a visual representation of the same data.

Exhibit 1: Total Industrial Energy Consumption Statistics in North Dakota

Year	North Dakota Energy Consumption (Trillion Btu)	National Average (Trillion Btu)
2000	191.8	680.2
2001	202.3	642.8
2002	189.9	642.0
2003	187.0	639.6
2004	187.9	658.7
2005	187.9	696.7
2006	195.5	636.6
2007	204.3	637.0
2008	213.7	614.8

Source: http://www.eia.doe.gov/emeu/states/sep_use/ind/use_ind_nd.html

North Dakota at a Glance

State Information

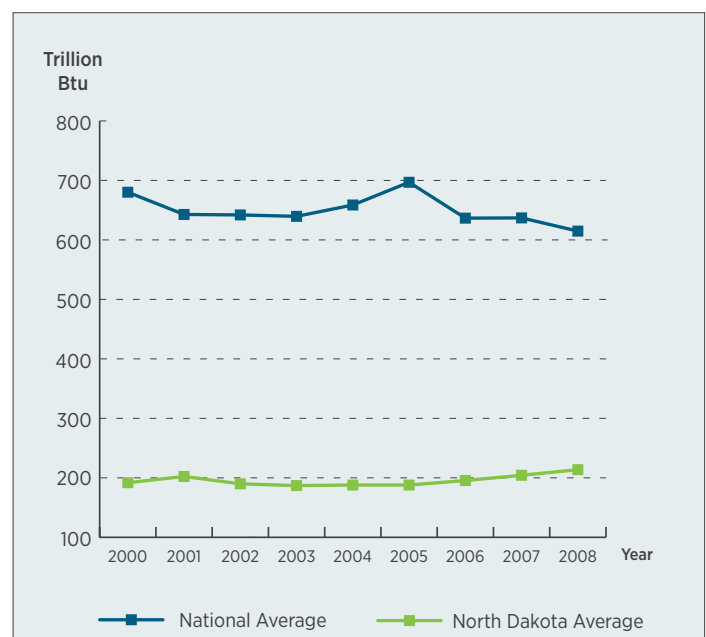
2009 Population (Million)	0.6
2008 GDP (Billion)	31.2
Rank by GDP	50

Energy Statistics

Total Energy Consumption 2008 (Trillion Btu)	440.9
Total Industrial Energy Consumption 2008 (Trillion Btu)	213.7
Total Industrial Energy Consumption Rank	37
Total Industrial Electricity Use 2008 (Trillion Btu)	12.6
Total Industrial Electricity Use Rank	43
Total Industrial Natural Gas Use 2008 (Trillion Btu)	30.2
Total Industrial Natural Gas Use Rank	39

Source: http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=ND

Exhibit 2: Total Industrial Energy Use



Federal and National Industrial Energy Efficiency Programs

In addition to the state level programs outlined in more detail in section III there are many government and non-government organizations that have resources to assist industry in the western region to utilize energy more effectively. Financial and technical resources are available from federal agencies, national laboratories, utilities, utility associations, industrial organizations, energy efficiency organizations, state energy offices, energy services companies, nonprofits or nongovernmental organizations, foundations, and private companies.

ITP is one such program that provides industrial manufacturers across the country with a variety of energy efficiency tools, resources, and incentives. ITP is a prime example of DOE's commitment to improving the energy efficiency of industrial operations in the United States. ITP is a multi-faceted outreach and deployment initiative designed specifically for industrial manufacturers. ITP supports research and development of energy efficient technologies, provides industry with energy management and assessment tools, resources, and information.

Several other federal agencies offer energy efficiency incentives in addition to the multitude of DOE resources. The Internal Revenue Service, for instance, provides tax incentives to industrial manufacturers that implement energy efficiency projects. In addition, the U.S. Environmental Protection Agency provides loans on new energy efficient construction and incentives on the implementation of combined heat and power systems. Finally, the U.S. Department of Agriculture is another federal agency that provides incentives to rural and small industrial operations seeking to become more energy efficient.

State Incentives by Industrial System

Building Systems

Commercial Rebates

Commercial members can apply for up to \$15,000 in utility rebates on energy efficient products and services including lighting, motors, central air conditioners, building recommissioning, custom design, energy audits, geothermal heat pumps, solar applications, and wind turbines.

For More Information:

<http://www.mckenzieelectric.com/>

Sponsor: McKenzie Electric Cooperative

Sponsor Type: Utility

Dollar Smart Energy Efficiency Financing Program

Loans of up to \$100,000 are available to commercial and residential customers as an incentive to make a facility or house more energy efficient.

For More Information:

<http://www.otpco.com/ProductsServices/Financing.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Rebate Program

This utility offers rebates to members that purchased new energy efficient appliances, water heaters, motors, or heat.

For More Information:

http://www.nplains.com/Save_Energy_and_Be_Safe/Together_We_Save/NP_Rebate_Program_.html

Sponsor: Northern Plains Electric Cooperative

Sponsor Type: Utility

Electric Water Heater Rebate Program

The cooperative offers water heater rebates of \$20 per kW to business customers that install electric water heaters with capacity greater than 120 gallons.

For More Information:

<http://www.otpco.com/ProductsServices/WaterHeating.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Rebate Program

Verendrye offers rebates for water heaters, heat pumps, and commercial lighting.

For More Information:

<http://www.verendrye.com/programs/rebates-and-heating-rates/>

Sponsor: Verendrye Electric Cooperative

Sponsor Type: Utility

Water Heater Loan Program

Loans of up to \$5,000 are available for the purchase of a water heater. Loan terms are up to 7 years. Interest is set at 5%.

For More Information:

http://www.nplains.com/Member_Programs/Low_Interest_Loans/index.html

Sponsor: Northern Plains Electric Cooperative

Sponsor Type: Utility

Water Heater Rebate

KEM Electric offers off-peak water heating credits to water heaters that are on control. Rebates and financing are available for qualified installations.

For More Information:

http://www.kemelectric.com/Products_Services/off_peak/water_heat.html

Sponsor: KEM Electric Cooperative

Sponsor Type: Utility

Water Heater Rebate

Rebates of \$25 to \$50 are available for the purchase of a water heater. Customers can participate in the cooperative's load management program.

For More Information:

<http://www.morgransou.com/programs/rebates/index.html>

Sponsor: Mor-Gran-Sou Electric Cooperative

Sponsor Type: Utility

Water Heater Rebate

If a customer purchases a water heater from the cooperative, the cooperative will give the customer a rebate.

For More Information:

http://www.olivermercercorner.com/consumer_corner/rebates/Water_Heater.html

Sponsor: Oliver-Mercer Electric Cooperative

Sponsor Type: Utility

Energy Sources

Alternate Energy Loan Program

The cooperative offers loans of up to \$10,000 to help customers finance alternate energy systems. Interest is set at 8%.

For More Information:

<http://www.morgransou.com/programs/loan/alternate.html>

Sponsor: Mor-Gran-Sou Electric Cooperative

Sponsor Type: Utility

Business Solar Rewards

The utility will give nonresidential customers rebates based on the size of their PV system.

For More Information:

<http://www.xcelenergy.com/Colorado/Residential/RenewableEnergy/Solar/Rewards/Pages/home.aspx>

Sponsor: Xcel Energy

Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Geothermal, Solar, and Wind Personal Credit

North Dakota offers an income tax credit of 3% per year for 5 years for the cost of equipment and installation of a system that generates renewable energy.

For More Information:

<http://www.nd.gov/tax/taxincentives/income/energycredit.html>

Sponsor: North Dakota Department of Commerce, Division of Community Services

Sponsor Type: State

Geothermal, Solar, and Wind Property Exemption

North Dakota exempts from local property taxes any solar, wind, or geothermal energy device.

For More Information:

<http://www.nd.gov/tax/property/forms/appexemptswgd.pdf>

Sponsor: North Dakota Department of Commerce, Division of Community Services

Sponsor Type: State

Heat Pump Rebate Program

Air-source units receive an incentive of \$12 per 1,000 heating Btu labeled as ENERGY STAR® or with proof of the following ratings: Split-system installations must be rated with a minimum seasonal energy efficiency rating (SEER) of 14.5, a heating season performance factor (HSPF) of 8.2, and a 12 energy efficiency ratio (EER). Package terminal heat pump installations must be rated with a minimum SEER of 14, an HSPF of 8, and an 11 EER.

For More Information:

http://www.otpco.com/SaveEnergyMoney/heatPumpRebatesEEP_SD.asp

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Large Wind Property Tax Reduction

A property tax reduction applies to a centrally assessed wind turbine electric generation unit with a nameplate generation capacity of 100 kilowatts or more. For an eligible wind turbine on which construction is completed before January 1, 2015, the taxable value is calculated at 3% of assessed value instead of at 10% which applies to other centrally assessed property.

For More Information:

<http://www.nd.gov/tax/taxincentives/property/propertytaxreduction.html>

Sponsor: North Dakota Department of Commerce, Division of Community Services

Sponsor Type: State

North Dakota's Renewable Energy Program (REP)

Renewable Energy Council promotes the growth of North Dakota's renewable energy industries through research, development, marketing, and education.

For More Information:

<http://www.nd.gov/ndic/renew-infopage.htm>

Sponsor: Renewable Energy Council

Sponsor Type: State

Renewable Development Fund Grants

The Xcel Energy Renewable Development Fund provides grants to fund power generation from wind, biomass, solar, hydroelectric generators, and fuel cells.

For More Information:

<http://www.xcelenergy.com/Minnesota/Company/Environment/Renewable%20Development%20Fund/Pages/RenewableDevelopmentFund.aspx>

Sponsor: Xcel Energy

Sponsor Type: Utility

HVAC

Commercial Rebates

Commercial members can apply for up to \$15,000 in utility rebates on energy efficient products and services including lighting, motors, central air conditioners, building recommissioning, custom design, energy audits, geothermal heat pumps, solar applications, and wind turbines.

For More Information:

<http://www.npr.org/blogs/krulwich/2010/11/03/131050832/a-mystery-why-can-t-we-walk-straight?ft=1&f=1007>

Sponsor: McKenzie Electric Cooperative

Sponsor Type: Utility

Cooling Efficiency Program

The utility offers financial incentives for commercial and industrial customers that purchase and install energy efficient cooling systems, including chillers, condenser units, and water-source heat pumps.

For More Information:

http://www.xcelenergy.com/Minnesota/Business/Programs/Resources/ConservationRebates/Incentives_Business/Pages/Cooling.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Cool-Savings Rebate Program

The utility will install a radio receiver that will cycle a participant's air conditioner on and off every 15 minutes to help manage summer electricity demand. Participants receive a \$7 credit on monthly electric service from June through September.

For More Information:

<http://www.otpc.com/SaveEnergyMoney/Rebates.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Electric Heat Program

Rebates are available for the purchase of an electric heat system. Customers must participate in the cooperative's load management program in order to be eligible for the rebate.

For More Information:

http://www.kemelectric.com/Products_Services/off_peak/electric.html

Sponsor: KEM Electric Cooperative

Sponsor Type: Utility

Electric Heat Rebate

Lower Yellowstone Rural Electric Association offers members rebates of \$25 per KW on the purchase of installed electric heat. This includes baseboard, forced air, and other types of heating systems.

For More Information:

<http://www.lyrec.com/Services/Rebates/index.html>

Sponsor: Lower Yellowstone REA

Sponsor Type: Utility

Electric Heat Rebate

RoughRider Electric Cooperative offers discounted rates for participating in the Metered Electric Heat and Dual Fuel Electric Heat programs.

For More Information:

http://roughriderelectric.com/consumer_corner/rebates/Electric_Heat.html

Sponsor: Roughrider Electric Cooperative

Sponsor Type: Utility

Ground Source Closed Loop Heat Pumps

Rebates up to \$400 are available for the installation of ground source heat pumps.

For More Information:

<http://www.mcleanelectric.coop/Programs/Rebates/index.html>

Sponsor: McLean Electric Cooperative

Sponsor Type: Utility

Heat Pump Rebate

KEM Electric offers a discounted electric heat rate, along with rebates and financing, to customers with a qualified installation of a ground source heat pump.

For More Information:

http://www.kemelectric.com/Products_Services/off_peak/heat_pump.html

Sponsor: KEM Electric Cooperative

Sponsor Type: Utility

Heat Pump Rebate

Rebates of \$50 per ton are available for the purchase and installation of a heat pump. The cooperative also has 5% financing available toward the cost of installing a heat pump system.

For More Information:

<http://www.verendrye.com/programs/rebates-and-heating-rates/heat-pump-rebates/>

Sponsor: Verendrye Electric Cooperative

Sponsor Type: Utility

Heat Pump Rebate Program

Air-source units receive an incentive of \$12 per 1,000 heating Btu labeled as ENERGY STAR or with proof of the following ratings: Split-system installations must be rated with a minimum SEER of 14.5, a heating season performance factor HSPF of 8.2, and a 12 EER. Package terminal heat pump installations must be rated with a minimum SEER of 14, an HSPF of 8, and an 11 EER.

For More Information:

http://www.otpc.com/SaveEnergyMoney/heatPumpRebatesEEP_SD.asp

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Heat Pump Rebates

Lower Yellowstone Rural Electric Association offers members rebates of \$150 per ton on all types of installed heat pumps.

For More Information:

<http://www.lyrec.com/Services/Rebates/index.html>

Sponsor: Lower Yellowstone REA

Sponsor Type: Utility

Rebate Program

Verendrye offers rebates for water heaters, heat pumps, and commercial lighting.

For More Information:

<http://www.verendrye.com/programs/rebates-and-heating-rates/>

Sponsor: Verendrye Electric Cooperative

Sponsor Type: Utility

Storage Water Heater Rebate

KEM Electric offers an off-peak rate for qualified storage water heating. Rebates and financing are available to qualified installations.

For More Information:

http://www.kemelectric.com/Products_Services/off_peak/storage_water.html

Sponsor: KEM Electric Cooperative

Sponsor Type: Utility

Thermal Storage Systems Off-Peak Rates

Thermal storage systems, whether designed for new construction or retrofit installations, can work well to meet the heating needs of a home or business. As part of the utility's energy control program, thermal storage systems qualify for Otter Tail Power Company's off-peak rates, which are about half the standard price for electricity.

For More Information:

<http://www.otpc.com/ProductsServices/ThermalStorageSystems.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Industrial Systems / Process Specific**Commercial Motor Rebate Program**

Motor rebates are based on horse power. A 1HP motor is eligible for a \$20 rebate while a 500 HP motor is eligible for a \$3,000 rebate.

For More Information:

<http://www.otpc.com/SaveEnergyMoney/commercialMotorsCIP.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Commercial Rebates

Commercial members can apply for up to \$15,000 in utility rebates on energy efficient products and services including lighting, motors, central air conditioners, building recommissioning, custom design, energy audits, geothermal heat pumps, solar applications, and wind turbines.

For More Information:

<http://www.mckenzieelectric.com/>

Sponsor: McKenzie Electric Cooperative

Sponsor Type: Utility

Commercial Refrigeration Conservation Program

The utility offers rebates for the purchase of energy efficient commercial refrigeration equipment. Eligible equipment includes compressor systems, condenser systems, subcooling systems, display cases, and air circulation systems.

For More Information:

<http://www.otpc.com/SaveEnergyMoney/commercialRefrigerationCIP.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Energy and Environmental Programs - Financial

The center offers loans to finance energy efficiency and pollution prevention projects.

For More Information:

<http://www.p2e2center.org/services.php#financing>

Sponsor: Delta Pollution Prevention and Energy Efficiency Center

Sponsor Type: Other

Energy and Environmental Programs - Technical

The center offers energy and water assessments, case studies, and greenhouse gas emissions analysis.

For More Information:

<http://www.p2e2center.org/services.php#technicalassistance>

Sponsor: Delta Pollution Prevention and Energy Efficiency Center
Sponsor Type: Other

Energy Efficiency Assistance

The Energy Center of Wisconsin offers technical assistance, energy analysis, training, resources, and fact sheets.

For More Information:
<http://www.npr.org/blogs/krulwich/2010/11/03/131050832/a-mystery-why-can-t-we-walk-straight?ft=1&f=1007>

Sponsor: Energy Center of Wisconsin
Sponsor Type: Nonprofit

Energy Efficiency Assistance

The Midwest Food Processors Association offers education, training, and energy efficiency resources.

For More Information:
<http://www.mwfpa.org/>

Sponsor: Midwest Food Processors Association
Sponsor Type: Other

Midwest Combined Heat and Power Application Center

The center has the objective of making combined heat and power (CHP) applications commercially available. The center will work with a plant to see if CHP can help improve process efficiency.

For More Information:
<http://www.chpcentermw.org/home.html>

Sponsor: University of Illinois at Chicago Energy Resources
Sponsor Type: Other

Midwest Combined Heat and Power Application Center

The center has the objective of making CHP applications commercially available. The center will work with a plant to see if CHP can help improve process efficiency.

For More Information:
<http://www.chpcentermw.org/home.html>

Sponsor: University of Illinois at Chicago Energy Resources
Sponsor Type: Other

Motor Rebate

Commercial, industrial, and agricultural customers that install qualified new or replacement National Electrical Manufacturers Association (NEMA) premium efficiency motors may receive rebates from \$20 to \$3,000 per motor—based on motor horsepower and NEMA Premium Efficiency Program standards.

For More Information:
http://www.otpco.com/SaveEnergyMoney/commercialMotorsEEP_SD.asp

Sponsor: Otter Tail Power Company
Sponsor Type: Utility

Rebate Program

This utility offers rebates to members that purchased new energy efficient appliances, water heaters, motors, or heat.

For More Information:
http://www.nplains.com/Save_Energy_and_Be_Safe/Together_We_Save/NP_Rebate_Program_.html

Sponsor: Northern Plains Electric Cooperative
Sponsor Type: Utility

Lighting

Commercial and Industrial Lighting Retrofit Rebate

Commercial and industrial businesses that retrofit their lighting systems with energy efficient lighting technologies may qualify for rebates. Eligible fixtures include T8 and T5 lamps, compact fluorescent fixtures and lamps, efficient HID lighting, induction lighting systems, electronic ballasts, and occupancy sensors. Rebates for most hard-wired systems are \$0.20 per watt saved. Screw-in compact fluorescent and LED bulb rebates are \$0.05 per watt saved. Rebates will not exceed 75% of project cost.

For More Information:
http://www.otpco.com/SaveEnergyMoney/lightingEEP_SD.asp

Sponsor: Otter Tail Power Company
Sponsor Type: Utility

Commercial Rebates

Commercial members can apply for up to \$15,000 in utility rebates on energy efficient products and services including lighting, motors, central air conditioners, building recommissioning, custom design, energy audits, geothermal heat pumps, solar applications, and wind turbines.

For More Information:
<http://www.mckenzieelectric.com/>

Sponsor: McKenzie Electric Cooperative
Sponsor Type: Utility

Lighting Conservation Program

The utility offers a number of incentives for upgraded lighting in existing nonresidential facilities. Rebates are \$0.05 per watt for a compact fluorescent light. All other lighting rebates are \$0.20 per watt.

For More Information:
<http://www.otpco.com/SaveEnergyMoney/lightingCIP.asp>

Sponsor: Otter Tail Power Company
Sponsor Type: Utility

Lighting Efficiency

Lighting rebates are available for retrofit and new construction projects.

For More Information:
http://www.xcelenergy.com/New%20Mexico/Business/Programs_Resources/ConservationRebates_Incentives_Business/Pages/Lighting_Efficiency.aspx

Sponsor: Xcel Energy
Sponsor Type: Utility

Lighting Program

Rebates are provided for the purchase of energy efficient lighting.

For More Information:

<http://www.mwalliance.org/programs/change-light>

Sponsor: Midwest Energy Efficiency Alliance

Sponsor Type: Nonprofit

New Construction Lighting Rebate Program

New construction lighting rebates range from \$0.75 per lamp to \$18 for pulse-start metal halide fixtures.

For More Information:

http://www.xcelenergy.com/Minnesota/Business/Programs/Resources/ConservationRebates/Incentives_Business/Pages/LightingEfficiency.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Rebate Program

Verendrye offers rebates for water heaters, heat pumps, and commercial lighting.

For More Information:

<http://www.verendrye.com/programs/rebates-and-heating-rates/>

Sponsor: Verendrye Electric Cooperative

Sponsor Type: Utility

Small Business Lighting

The utility offers rebates and special services for small- and mid-sized business facilities with peak demand of less than 400 kW.

For More Information:

http://www.xcelenergy.com/Colorado/Business/Programs/Resources/ConservationRebates/Incentives_Business/Pages/SmallBusinessLighting.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Load Management

Back of the Envelope Calculator

This online tool for commercial and industrial managers helps analyze energy use throughout a facility.

For More Information:

<http://www.ecw.org/project.php?workid=1&resultid=286>

Sponsor: Energy Center of Wisconsin

Sponsor Type: Nonprofit

Constellation NewEnergy Online

This is an energy-management tool that is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve their company's energy efficiencies, track changes in their company's usage, and compare usage across multiple facilities.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.987b194dd5e782ce18a805e4da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Cool-Savings Rebate Program

The utility will install a radio receiver that will cycle a participant's air conditioner on and off every 15 minutes to help manage summer electricity demand. Participants receive a \$7 credit on monthly electric service from June through September.

For More Information:

<http://www.otpc.com/SaveEnergyMoney/Rebates.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Electric Heat Program

The cooperative offers loans of up to \$5,000 to help customers finance energy efficiency measures. Loan terms are up to 5 years with interest set at 5%. A one-time rebate of up to \$150 is available for commercial customers.

For More Information:

http://www.mcleanelectric.coop/Programs/Electric_Heat/index.html

Sponsor: McLean Electric Cooperative

Sponsor Type: Utility

Energy analysis and Recommissioning

Utility staff will perform a walkthrough of a customer's home or commercial facility. Those professionals will then examine the facility's systems and will make recommendations to make the facility more energy efficient.

For More Information:

<http://www.otpc.com/SaveEnergyMoney/energyAnalysisRecommissioningCIP.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Energy Audit

Lower Yellowstone Rural Electric Association (REA) offers free energy audits to residential and commercial customers. The audit will produce results that will help lower home or office utility costs.

For More Information:

<http://www.lyrec.com/Services/Audits/index.html>

Sponsor: Lower Yellowstone REA

Sponsor Type: Utility

Energy Efficiency Assistance

The Energy Center of Wisconsin offers technical assistance, energy analysis, training, resources, and fact sheets.

For More Information:

<http://www.ecw.org/whatwedo.php>

Sponsor: Energy Center of Wisconsin

Sponsor Type: Nonprofit

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Energy Management Program

Incentives are available to customers that have a water heater and participate in the cooperative's load management program. The cooperative will temporarily power down the water heater when demand for energy is highest.

For More Information:

http://www.dakotavalley.com/Energy_Management/Managing_Your_Energy/index.html

Sponsor: Dakota Valley Electric Cooperative

Sponsor Type: Utility

Environmental Resources Conservation (ERC) Loan Program

Cooperative members are eligible for this loan program, which is designed to help finance a customer's energy efficiency project. Loans are up to \$10,000, with a 7-year loan term and 5% interest rate.

For More Information:

http://www.kemelectric.com/Products_Services/loans/erc.html

Sponsor: KEM Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers loans of up to \$5,000 to help customers finance energy efficiency measures. Loan terms are up to 5 years with interest set at 5%.

For More Information:

http://www.mcleanelectric.coop/Programs/ERC_Loans/index.html

Sponsor: McLean Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers loans of up to \$10,000 to help customers finance energy efficiency measures. Loan terms are up to 7 years with interest set at 5%

For More Information:

<http://www.morgransou.com/programs/loan/erc.html>

Sponsor: Mor-Gran-Sou Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers a weatherization loan program of up to \$3,000 for the purchase and installation of energy efficiency measures. The 7-year loan term is coupled with a 5% interest rate.

For More Information:

http://www.olivermercercorner.com/consumer_corner/low_interest_loans/energy_resources.html

Sponsor: Oliver-Mercer Electric Cooperative

Sponsor Type: Utility

InfoWise

InfoWise from Xcel EnergySM delivers a powerful energy management reporting solution with customized data for businesses to help manage and control energy use.

For More Information:

http://www.xcelenergy.com/South%20Dakota/Business/SaveEnergy_Money/InfoWise/Pages/default.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Load Management Program

This program entails the cooperative powering down a customer's water heater during high energy use periods. If the customer participates in the utility's load management program, the customer will receive a \$3 to \$7 credit on their utility bill.

For More Information:

http://www.olivermercercorner.com/consumer_corner/load_management/index.html

Sponsor: Oliver-Mercer Electric Cooperative

Sponsor Type: Utility

Load Response for your Business

Commercial customers can receive financial rewards, either in the form of dollars or energy bill credits, for using less energy on days when regional power grids are under stress.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.c2d5c4a31e3b3661571c5010747176a0?title=lr>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Loan Programs for Energy Efficiency

Burke-Divide Electric Cooperative offers loans to commercial customers to help make facilities more energy efficient. The cooperative assists customers by providing loans for the installation of energy conservation measures, electric heating, dual heating equipment, air conditioning, heat pumps, ground source heat pumps, electric crop drying, major appliances, and other equipment.

For More Information:

<http://www.bdec.coop/Home/Loans/index.html>

Sponsor: Burke-Divide Electric Cooperative

Sponsor Type: Utility

Low-Interest Loan Program

The cooperative offers loans of up to \$20,000 to help customers finance energy efficiency measures. Loan terms are up to 5 years with interest set at 6%.

For More Information:

<http://www.nodakelectric.com/loans.htm>

Sponsor: Nodak Electric Cooperative

Sponsor Type: Utility

Managing Your Energy

The energy management program enables Northern Plains Electric to control electric load during peak periods of demand. In exchange for this ability to switch off power, Northern Plains gives participating members hefty discounts on off-peak rates. Members can save up to two-thirds of the cost of a kWh on off-peak programs.

For More Information:

http://www.nplains.com/Energy_Management/Managing_Your_Energy/index.html

Sponsor: Northern Plains Electric Cooperative

Sponsor Type: Utility

Off Peak Electric Heat

Incentives are available to customers that have a dual heating system and participate in the cooperative's load management program. The cooperative will temporarily power down part of the system when demand for energy is highest.

For More Information:

http://www.capitalelec.com/Energy_Efficiency/load_mgmt/index.html#1b

Sponsor: Capital Electric Cooperative

Sponsor Type: Utility

Off Peak Water Heater Program

Incentives are available to customers that have a water heater and participate in the cooperative's load management program. The cooperative will temporarily power down the water heater when demand for energy is highest.

For More Information:

http://www.capitalelec.com/Energy_Efficiency/load_mgmt/index.html#d

Sponsor: Capital Electric Cooperative

Sponsor Type: Utility

Off-Peak Program

With the off-peak water heating option, members can save 25% or more on their water heating costs. McLean Electric members participating in the off-peak program could potentially be controlled for up to six hours, but the average length of control at this time has been about 30 minutes.

For More Information:

http://www.mcleanelectric.coop/Programs/Off-Peak_Program/index.html

Sponsor: McLean Electric Cooperative

Sponsor Type: Utility

Off-Peak Programs

Members that choose to participate in one of the off-peak programs will receive a lower rate for their electric heating bills.

For More Information:

http://www.nplains.com/Member_Programs/Off-Peak_Programs/index.html

Sponsor: Northern Plains Electric Cooperative

Sponsor Type: Utility

Online Energy Audit

This online tool analyzes a customer's energy use and points out areas that could be more energy efficient.

For More Information:

http://www.xcelenergy.com/Texas/Business/SaveEnergy_Money/Pages/Save_Energy_and_Money.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

PowerProfiler

PowerProfiler, an online tool, can help customers manage business energy use to control costs and maximize profits.

For More Information:

<http://www.otpc.com/ProductsServices/PowerProfiler.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Rate Savings Program

Customers that are flexible with energy use can get a discount on electricity.

For More Information:

http://www.xcelenergy.com/North%20Dakota/Business/Programs_Resources/RateSavings/Pages/Rate_Savings.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Released Energy Access Program (REAP)

Otter Tail Power Company's free Released Energy Access Program (REAP) is an Internet-based service that links timely management of energy use to other regional energy needs. Otter Tail Power Company compensates REAP participants for released energy by sending the company a check or providing a credit on a monthly service statement.

For More Information:

<http://www.otpc.com/ProductsServices/REAP.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Small Commercial and Hard-to-Reach Standard Offer Program

This program provides incentives to suppliers of energy services to implement electric energy efficiency projects at small commercial customer facilities.

For More Information:

<http://www.xcelefficiency.com/Res-HTR/Index.shtml>

Sponsor: Xcel Energy

Sponsor Type: Utility

Industrial Systems General

Advanced Building

This program offers technical resources and information on how to build an energy efficient new facility.

For More Information:

<http://www.poweryourdesign.com/>

Sponsor: Energy Center of Wisconsin

Sponsor Type: Nonprofit

Back of the Envelope Calculator

This online tool for commercial and industrial managers helps analyze energy use throughout a facility.

For More Information:

<http://www.ecw.org/project.php?workid=1&resultid=286>

Sponsor: Energy Center of Wisconsin

Sponsor Type: Nonprofit

Commercial Energy Advisor

Commercial Energy Advisor provides customers with a detailed breakdown of energy consumption and daily demand loads. Customers will also find advice on low- and no-cost steps they can take to operate their facilities more efficiently, as well as lists of longer-term solutions like building recommissioning or the purchase of more energy efficient equipment that can improve building performance and save energy and money.

For More Information:

http://www.xcelenergy.com/North%20Dakota/Business/SaveEnergy_Money/Pages/Commercial_Energy_Advisor.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Commercial Energy Audit

The utility offers energy audits of existing facilities for commercial and industrial customers to recommend energy efficiency improvements.

For More Information:

<http://www.kwh.com/commercialservices.html>

Sponsor: Cass County Electric Cooperative

Sponsor Type: Utility

Commercial Rebates

Commercial members can apply for up to \$15,000 in utility rebates on energy efficient products and services including lighting, motors, central air conditioners, building recommissioning, custom design, energy audits, geothermal heat pumps, solar applications, and wind turbines.

For More Information:

<http://www.mckenzieelectric.com/>

Sponsor: McKenzie Electric Cooperative

Sponsor Type: Utility

Commercial Services

Montana-Dakota Utilities' engineering team offers engineering advice, up-to-date information on new energy technology, financial analysis, vendor referral, and energy auditing services.

For More Information:

<http://www.montana-dakota.com/Montana/CommercialServices/Pages/Overview.aspx>

Sponsor: Montana-Dakota Utilities

Sponsor Type: Utility

Comprehensive Education Programs and Services

The Energy Center of Wisconsin holds several training sessions and events to increase knowledge of industrial efficiency.

For More Information:

<http://www.ecw.org/university/>

Sponsor: Energy Center of Wisconsin

Sponsor Type: Nonprofit

Custom Efficiency Program

These rebates are offered for projects that are not covered in other rebates. However, prior to installation, business and residential customers are required to get approval from the utility to ensure that the project is eligible for custom funding.

For More Information:

http://www.xcelenergy.com/Colorado/Business/Programs_Resources/ConservationRebates_Incentives_Business/Pages/Custom_Efficiency.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Electric Heat Program

The cooperative offers loans of up to \$5,000 to help customers finance energy efficiency measures. Loan terms are up to 5 years with interest set at 5%. A one-time rebate of up to \$150 is available for commercial customers.

For More Information:

http://www.mcleanelectric.coop/Programs/Electric_Heat/index.html

Sponsor: McLean Electric Cooperative

Sponsor Type: Utility

Energy Analysis

Xcel Energy can help customers reduce energy consumption, make critical energy-related decisions, and manage budgets. Xcel offers energy analysis tools and services, such as online energy assessments, on-site energy audit, engineering assistance study, and ENERGY STAR benchmarking.

For More Information:

http://www.xcelenergy.com/Minnesota/Business/Programs_Resources/ConservationRebates_Incentives_Business/Pages/Energy_Analysis.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Energy analysis and Recommissioning

Utility staff will perform a walkthrough of a customer's home or commercial facility. Those professionals will then examine the facility's systems and will make recommendations to make the facility more energy efficient.

For More Information:

<http://www.otpc.com/SaveEnergyMoney/energyAnalysisRecommissioningCIP.asp>

Sponsor: Otter Tail Power Company
Sponsor Type: Utility

Energy Assessment

This online tool helps nonresidential customers analyze energy use and identifies areas for energy improvement.

For More Information:
<http://www.xcelenergy.com/South%20Dakota/Business/Pages/Business.aspx>

Sponsor: Xcel Energy
Sponsor Type: Utility

Energy Audit

Lower Yellowstone REA offers free energy audits to residential and commercial customers. The audit will produce results that will help lower home or office utility costs.

For More Information:
<http://www.lyrec.com/Services/Audits/index.html>

Sponsor: Lower Yellowstone REA
Sponsor Type: Utility

Energy Design Assistance

Xcel Energy will offer assistance to commercial and residential customers interested in constructing a new building or rehabilitating an existing structure. The assistance will consist of the utility providing computer models and other information regarding how the construction can be energy efficient. Commercial structures must be larger than 50,000 square feet to qualify.

For More Information:
<http://www.xcelenergy.com/Colorado/Customerservice/Pages/EnergyDesignAssistance.aspx>

Sponsor: Xcel Energy
Sponsor Type: Utility

Energy Design Assistance

Xcel Energy offers energy efficient design assistance for customers that wish to save energy.

For More Information:
<http://www.xcelenergy.com/Minnesota/Business/Programs/Resourcess/ConservationRebates/Incentives/Business/Pages/BusinessNewConstructionEnergyDesignAssistance.aspx>

Sponsor: Xcel Energy
Sponsor Type: Utility

Energy Efficiency Library

This online library houses more than 6,500 resources on energy efficiency for commercial and industrial managers.

For More Information:
<http://www.ecw.org/library.php>

Sponsor: Energy Center of Wisconsin
Sponsor Type: Nonprofit

Energy Resource Library

This library is comprised of Purchasing Advisor, Commercial Energy Advisor, and Operations & Maintenance Advisor sections to give information on energy efficiency and conservation. An online energy audit is also available.

For More Information:
http://www.xcelenergy.com/New%20Mexico/Business/SaveEnergy_Money/Pages/Save_Energy_and_Money.aspx

Sponsor: Xcel Energy
Sponsor Type: Utility

Energy Savings

North Central Electric Cooperative has energy experts on staff to help homes, businesses, or farms reduce energy bills.

For More Information:
http://www.nceci.com/consumer_tips/energy_saving/index.html

Sponsor: North Central Electric Cooperative
Sponsor Type: Utility

Energy-At-Risk Financial Analysis Tool

Xcel has a financial modeling tool to provide you with the information and support you need to green-light your energy efficiency project within your organization. The tool is specially designed to quantify your potential energy savings, which can translate into real dollars for your bottom line. In addition, each worksheet provides you with the pros and cons of the individual financial metrics and the formulas used to calculate your projects results.

For More Information:
http://www.xcelenergy.com/Colorado/Business/SaveEnergy_Money/Pages/Energy-At-RiskFinancialAnalysisTool.aspx

Sponsor: Xcel Energy
Sponsor Type: Utility

ERC Loan

Loans of up to \$3,000 are available for energy efficiency upgrades. The term limit is 84 months and interest is 5%.

For More Information:
http://www.roughriderelectric.com/consumer_corner/low_interest_loans/energy_resources.html

Sponsor: Roughrider Electric Cooperative
Sponsor Type: Utility

ERC Loan Program

Cooperative members are eligible for this loan program, which is designed to help finance a customer's energy efficiency project. Loans range from \$1,500 to \$15,000 with loan terms of 2-7 years. Interest is set at 5% or 6%, depending upon the loan amount.

For More Information:
http://www.capitalelec.com/Energy_Efficiency/erc_loans/index.html

Sponsor: Capital Electric Cooperative
Sponsor Type: Utility

ERC Loan Program

Cooperative members are eligible for this loan program, which is designed to help finance a customer's energy efficiency project. Loans are up to \$10,000, with a 7-year loan term and 5% interest rate.

For More Information:

http://www.kemelectric.com/Products_Services/loans/erc.html

Sponsor: KEM Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers loans of up to \$5,000 to help customers finance energy efficiency measures. Loan terms are up to 5 years with interest set at 5%.

For More Information:

http://www.mcleanelectric.coop/Programs/ERC_Loans/index.html

Sponsor: McLean Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers loans of up to \$10,000 to help customers finance energy efficiency measures. Loan terms are up to 7 years with interest set at 5%

For More Information:

<http://www.morgransou.com/programs/loan/erc.html>

Sponsor: Mor-Gran-Sou Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers a weatherization loan program of up to \$5,000 for the purchase and installation of energy efficiency measures.

For More Information:

http://www.nplains.com/Member_Programs/Low_Interest_Loans/index.html

Sponsor: Northern Plains Electric Cooperative

Sponsor Type: Utility

ERC Loan Program

The cooperative offers a weatherization loan program of up to \$3,000 for the purchase and installation of energy efficiency measures. The 7-year loan term is coupled with a 5% interest rate.

For More Information:

http://www.olivermercercor.com/consumer_corner/low_interest_loans/energy_resources.html

Sponsor: Oliver-Mercer Electric Cooperative

Sponsor Type: Utility

ERC Loans

The program provides qualified members with a loan that can be used for material and labor to install energy conservation measures.

For More Information:

http://www.mwec.com/services/erc_loans/index.html

Sponsor: Mountrail-Williams Electric Cooperative

Sponsor Type: Utility

Grants for Conservation

Otter Tail Power Company Grants for Conservation Program allows commercial and industrial customers to submit energy-saving proposals and receive grants for custom efficiency projects.

For More Information:

<http://www.otpco.com/saveenergymoney/grantsCIP.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Industrial Technology Fact Sheets

These fact sheets on energy efficiency are available for industrial managers.

For More Information:

<http://www.ecw.org/projectdetail.php?projectid=78>

Sponsor: Energy Center of Wisconsin

Sponsor Type: Nonprofit

Large Commercial and Industrial Standard Offer Program

Large commercial and industrial customers are eligible for financial incentives for the installation of certain energy efficiency measures.

For More Information:

<http://www.xcelefficiency.com/CI/Index.shtml>

Sponsor: Xcel Energy

Sponsor Type: Utility

Loan Programs for Energy Efficiency

Burke-Divide Electric Cooperative offers loans to commercial customers to help make facilities more energy efficient. The cooperative assists customers by providing loans for the installation of energy conservation measures, electric heating, dual heating equipment, air conditioning, heat pumps, ground source heat pumps, electric crop drying, major appliances, and other equipment.

For More Information:

<http://www.bdec.coop/Home/Loans/index.html>

Sponsor: Burke-Divide Electric Cooperative

Sponsor Type: Utility

Loan Programs for Energy Efficiency

The cooperative offers loans of up to \$20,000 to help customers finance energy efficiency measures. Loan terms are up to 7 years with interest set at 5%.

For More Information:

http://www.slopeelectric.coop/Programs/Loan_Financing/index.html

Sponsor: Slope Electric Cooperative

Sponsor Type: Utility

Low-Interest Loan Program

The cooperative offers loans of up to \$5,000 to help customers finance energy efficiency measures. Loan terms are up to five years.

For More Information:

http://www.dakotavalley.com/Member_Programs/Low_Interest_Loans/index.html

Sponsor: Dakota Valley Electric Cooperative

Sponsor Type: Utility

Low-Interest Loan Program

The cooperative offers loans of up to \$20,000 to help customers finance energy efficiency measures. Loan terms are up to 5 years with interest set at 6%.

For More Information:

<http://www.nodakelectric.com/loans.htm>

Sponsor: Nodak Electric Cooperative

Sponsor Type: Utility

Process Efficiency

This three-step process improvement program identifies potential energy savings, determines the potential of savings, and implements savings while using rebates to reduce costs.

For More Information:

http://www.xcelenergy.com/Minnesota/Business/Programs/Resources/ConservationRebates_Incentives_Business/Pages/Process_Efficiency.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Rate Analysis and Research Assistance

Otter Tail Power Company's industrial service engineers and energy management representatives can help customers identify and evaluate energy efficient, productivity-increasing technologies for businesses. In addition to understanding operational requirements and advantages, the company will conduct rate and payback analyses.

For More Information:

<http://www.otpc.com/ProductsServices/RateAnalysisResearchAssist.asp>

Sponsor: Otter Tail Power Company

Sponsor Type: Utility

Recommissioning Program

This facility audit program is designed to reduce energy costs by improving mechanical systems. Xcel will pay up to 50% of the program, up to \$25,000. Preapproval is required.

For More Information:

http://www.xcelenergy.com/Colorado/Business/Programs_Resources/ConservationRebates_Incentives_Business/Pages/Recommissioning.aspx

Sponsor: Xcel Energy

Sponsor Type: Utility

Revolving Loan

Revolving loans are available for energy efficient equipment upgrades. Minimum amount is \$5,000 with a required 10% minimum equity; maximum loan amount cannot exceed 75% of project cost.

For More Information:

http://www.roughriderelectric.com/consumer_corner/low_interest_loans/revolving_loan_funds.html

Sponsor: Roughrider Electric Cooperative

Sponsor Type: Utility

Small Commercial and Hard-to-Reach Standard Offer Program

This program provides incentives to suppliers of energy services to implement electric energy efficiency projects at small commercial customer facilities.

For More Information:

<http://www.xcelefficiency.com/Res-HTR/Index.shtml>

Sponsor: Xcel Energy

Sponsor Type: Utility

End Notes

- ¹ “Save Energy Now State Partnerships: ITP Activities in North Dakota.” The Office of Energy Efficiency and Renewable Energy (EERE). Accessed 19 Oct. 2010. http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=ND
- ² U.S. Energy Information Administration, “State/Territory Energy Profiles,” Accessed October 19, 2010. http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=ND
- ³ U.S. Energy Information Administration, “State/Territory Energy Profiles,” Accessed October 19, 2010. http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=ND

EERE Information Center

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