

MINNESOTA CONSERVATION PROGRAMS SUMMARY



We offer solutions for business customers in a suite of energy conservation and energy management products that will help you increase your company's energy efficiency, reduce operating costs and improve your bottom line. We'll put our energy expertise to work for you in your business.

We offer you rebates for purchasing and installing eligible energy-efficient equipment and mechanical system components. You'll reduce energy costs and lower upfront equipment costs as well as shorten pay back periods. We also offer free consultation, custom incentives and funding for studies.

Please see program application forms for official program details, terms and conditions. Additional details are available at www.xcelenergy.com/rebates.

Program name and benefits	Description of eligibility	Rebate/incentive/or pricing	Customer type
Boiler Efficiency			
<p>We offer rebates for energy-efficient natural gas boiler equipment, components and tune-ups, which help you save energy, reduce your monthly energy bill and help defray your upfront equipment costs.</p> <p>Effective Jan. 1, 2007, any boiler rebate application that includes energy savings from non-space heating measures (i.e. domestic water heating, laundry, processes, etc.) must go through our Custom Efficiency program.</p>	Modular burner controls 5:1 turndown ratio minimum	25% up to \$2,500	Gas
	Modular burner controls 10:1 turndown ratio or greater	25% up to \$5,000	
	Turbulators	25% up to \$400	
	Blowdown heat recovery	25% up to \$5,000	
	Steam traps	25% up to \$250 (<i>maximum \$10,000 per site</i>)	
	Boiler tune-ups	25% up to \$250 (Every other year)	
	O ₂ trim controls	25% up to \$5,000	
	Outdoor air reset controls	25% up to \$500	
	Stack damper	25% up to \$250	
	New boiler systems	See rebate application form (#1768) for details	
Boilers over 10 MMBTUs	Custom Efficiency rebate amount based on energy savings		
Compressed Air Efficiency			
<p>Take advantage of our incentives for compressed air studies and equipment. The study will help assess your situation and recommend improvements.</p> <p>Our Compressed Air Custom program offers rebates on efficiency improvements and qualifying equipment.</p>	Compressed Air Study*	<p>Xcel Energy funding for studies is dependent on compressor size. Xcel Energy funds studies as follows:</p> <p>Less than 50 hp - no funding available</p> <p>50-74 hp = 100% of study cost up to \$2,000</p> <p>75-99 hp = 100% of study cost up to \$2,500</p> <p>100+hp = 75% of study cost up to \$15,000</p>	Electric
	Compressed Air Custom*	<p>Compressed Air Custom is based on energy savings</p> <p>Rebates up to \$200 per kW saved for projects identified through a completed, Xcel Energy approved study</p> <p>Rebates up to \$50 per kW saved if no study is conducted</p>	

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<p>Commercial Real Estate Efficiency We offer bundled energy services, including study funding and rebate bonuses for implementing energysaving recommendations.</p>	<p>Commercial real estate customers agree to implement recommendations resulting from our technical and financial building analysis.</p>	<p>Funding up to 50% of the study cost, maximum of \$20,000</p> <p>Rebates plus up to 30% bonuses for implementing recommended energy-savings measures, maximum 50% of project cost</p>	<p>Electric and Gas</p>
<p>Cooling Efficiency We offer rebates for replacing or updating your cooling system using the latest cooling technology.</p>	<p>Packaged Terminal Air Conditioners (PTAC)</p>	<p>\$7.50/ton plus \$1.25/ton for greater efficiency</p>	<p>Electric</p>
	<p>Water source heat pumps</p>	<p>\$10/ton plus \$1 for greater efficiency</p>	
	<p>Variable Air Volume (VAV) boxes</p>	<p>\$200 per box</p>	
	<p>Split systems</p>	<p>\$150 - \$350 per unit based on SEER</p>	
	<p>Condensers</p>	<p>\$14/ton plus \$4 for greater efficiency</p>	
	<p>Rooftop units</p>	<p>\$14/ton plus \$4 for greater efficiency</p>	
	<p>Chillers</p>	<p>\$20/ton plus \$5/ton for greater efficiency</p>	
	<p>Oversized cooling towers</p>	<p>\$3 per nominal tower tons</p>	
	<p>Economizers</p>	<p>\$10/ton</p>	
	<p>Hotel room controllers</p>	<p>\$100/unit</p>	
	<p>Custom Efficiency rebate amounts are based on energy savings for the following:</p>		
	<p>CFC conversion</p>	<p>Air-cooled to evaporative</p>	
	<p>Efficiency upgrade change in kW/ton</p>	<p>DX to water-cooled chillers</p>	
	<p>Air economizer</p>	<p>Energy Recovery Ventilators</p>	
	<p>Internal bypass</p>	<p>Air recirculation</p>	
<p>Custom Efficiency* We offer rebates for choosing energy-efficiency measures that exceed standard options but aren't covered under our standard energy conservation programs.</p>	<p>Any project that involves energy savings but is not included in other conservation programs This can involve:</p> <ul style="list-style-type: none"> • Replacing old, less efficient with new, higher-efficiency equipment • Purchasing new equipment that is more efficient than the standard • Improving efficiency of processes 	<p>Rebates up to \$200 per kW saved and up to \$2 per MCF saved</p>	<p>Electric and Gas</p>

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<p>Efficiency Controls</p> <p>We offer rebates for control systems that result in energy savings by automating building systems such as lighting, HVAC and others.</p>	Building controls and on/off equipment controls	Rebates up to \$200 per kW saved, up to \$400 per kW for lighting and up to \$2 per MCF saved	Electric and Gas
<p>Efficiency Proposal</p> <p>Customers respond to an RFP issued by Xcel Energy with unique conservation opportunities. The bid is for rebates to support installation of these measures.</p>	Projects conserving a minimum of 1 GWh or 8,000 MCF	Up to \$300/kW or \$2/mcf	Electric and Gas
<p>Electric Rate Savings Peak Control</p> <p>We offer tremendous savings opportunities for businesses that can reduce their electric demands when system conditions warrant. Electric Rate Savings customers help reduce electric demand during critical times. The more you can reduce the more you can save.</p>	<p>You must be a business electric customer that can interrupt at least 50kW or more of your electric demand.</p> <p>Two tiers let you determine how many control hours you can comply with at your facility and how large of a discount you can receive.</p> <p>Tier 1 customers can be controlled up to 150 hours per year. Tier 2 customers can be controlled up to 80 hours per year.</p> <p>Control periods usually occur during hot, humid summer days between June and September, but can occur any season during rare system emergencies</p>	<p>Year round savings often add up to thousands of dollars in discounts on your controllable demand.</p> <p>June-September discounts range from \$4.42 to \$5.30 per kW of your controllable load.</p> <p>October-May discounts range from \$2.17 to \$3.05 per kW of your controllable load.</p>	Electric
<p>Energy Analysis</p> <p>Online Energy Assessment</p>	A FREE starting point to help you determine how to save on your energy bills.	FREE analysis tool located on www.xcelenergy.com (Click on the Business tab, then Save Energy & Money, then click on the Online Energy Assessment link on the left hand side)	Electric and Gas
On-Site Energy Assessment	An Energy Assessment is an audit that helps identify ways you can save energy and qualify for rebates.	\$200 fee for buildings less than 25,000 square feet and \$300 fee for buildings 25,000 square feet and above	Electric and Gas
Engineering Assistance Studies	A more in-depth engineering assistance study helps analyze building cooling systems, refrigeration, space or process heating, or Custom Efficiency projects.	Xcel Energy will pay up to 50% of the cost of the study, not to exceed \$15,000. Preapproval required for studies.	Electric and Gas
ENERGY STAR® building rating	This tool provides an opportunity for you to benchmark your building(s) performance and offers a starting point for developing a plan to improve operations.	Your utility information is loaded into ENERGY STAR software and a rating is generated that provides a comparison for that site against other similar buildings. A rating of 75+ qualifies for an ENERGY STAR building.	Electric and Gas

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Energy Design Assistance* We offer free consultation, computer modeling and verification of measures or review of plans and specifications for new buildings, additions or major renovations. Program option determined by project.	Options for new construction, additions or major renovations over 15,000 sq. ft.	FREE design assistance or review of plans based on project, plus custom incentives for energy conservation strategies	Electric and Gas
Furnace Efficiency High-efficiency furnaces are eligible for rebates.	New installation or retrofit	\$75 for 90% AFUE \$100 for 94% AFUE	Gas
Lighting Efficiency • Retrofit We offer rebates to customers purchasing and installing energyefficient lighting equipment for an existing building.	Fluorescent T8 lamps and Super T8 lamps with electronic ballasts Low-Wattage 4-foot fluorescent T8 lamps; 28W or less Fluorescent T5 lamps with electronic ballasts High-bay fluorescent T8 lamps and T5 HO lamps with electronic ballasts Hardwired or modular compact fluorescent lamps (CFL) High-efficiency electronic ballasts Metal halide & high pressure sodium fixtures Ceramic metal halide fixtures Pulse start metal halide fixtures Reflectors Occupancy sensors and photocells LED exit signs LED traffic signals	\$8 - \$18 \$0.75/lamp \$10 - \$16 \$40 - \$75 \$8 - \$24 \$0.75/ballast \$28 - \$45 \$20 - \$60 \$25 - \$65 \$0.50/sq.ft. \$12 - \$36 \$6 \$15 - \$65	Electric
	Custom Efficiency*	Custom Efficiency rebate amount is based on energy savings	

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<p>Lighting Efficiency • New Construction We offer rebates to customers purchasing and installing energy-efficient lighting equipment for new construction facilities.</p> <p>Custom Efficiency* Custom Efficiency rebate amount is based on energy savings</p>	<p>Fluorescent Super T8 lamps with electronic ballasts</p> <p>Fluorescent T5 lamps with 3- and 4-lamp electronic ballasts</p> <p>Low-Wattage 4-foot fluorescent T8 lamps; 28W or less</p> <p>High-bay fluorescent T8 and T5 HO lamps with electronic ballasts</p> <p>High-efficiency electronic ballasts</p> <p>Hardwired or modular compact fluorescent lamps (CFL)</p> <p>Ceramic metal halide fixtures</p> <p>Pulse start metal halide fixtures</p>	<p>\$1.75 - \$2.25</p> <p>\$2.50</p> <p>\$0.75/lamp</p> <p>\$12</p> <p>\$0.75/ballast</p> <p>\$3 - \$8</p> <p>\$8 - \$20</p> <p>\$6 - \$18</p>	<p>Electric</p>
<p>Lighting Efficiency • One-Stop Efficiency Shop We offer lighting retrofit rebates and special services for small- to medium-sized business customers. The offering is part of our Lighting Efficiency program and is administered by the Center for Energy and Environment (CEE).</p>	<p>The program is available to small- and mid-sized customers with peak demand of 400 kW or less. Please contact CEE at 612-335-3487 to verify eligibility.</p>	<p>Free lighting audit with cost-saving recommendations</p> <p>Rebates up to 60 percent of installed cost</p> <p>Financing</p> <p>Start-to-finish oversight of your lighting upgrade</p>	<p>Electric</p>
<p>Lighting Efficiency • Redesign We offer funding to customers who complete a lighting redesign study of their current system and rebates to those who implement the recommended changes.</p> <p>Note: the program is not for customers completing a one-to-one lighting equipment retrofit.</p>	<p>A Lighting Certified (LC) professional must perform the study. The study provides a complete building-wide lighting system analysis for customers with overlit and/or mislit spaces and makes recommendations on the best approach to improving the design by reducing the existing light output while maintaining the proper lighting levels.</p>	<p>Xcel Energy will pay up to 50% of the cost of the study, not to exceed \$15,000. Xcel Energy provides incentives up to \$400/kW saved for implementation of recommended actions. Preapproval required for studies.</p>	<p>Electric</p>
<p>Motor Efficiency • Motors We offer rebates for purchasing and installing NEMA premium efficiency motors that can help you reduce downtime, maintenance and labor costs as well as increase the quality of your output and improve reliability.</p>	<p>Upgrade operational motors (1 hp - 200 hp) to NEMA premium motor</p> <p>Install new NEMA premium motor (1 hp - 200 hp) due to new application or burnout</p> <p>Custom Efficiency* (Includes motors over 200 hp)</p>	<p>\$16.50/horsepower (hp)</p> <p>\$4/hp</p> <p>Custom Efficiency rebate amount is based on energy saving</p>	<p>Electric</p>

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<p>Motor Efficiency • Variable Frequency Drives (VFDs) VFDs can save energy, extend equipment life, improve quality control and earn rebates.</p>	<p>Rebates for VFDs (1 hp - 200 hp)</p> <p>Custom Efficiency* (Includes VFDs over 200 hp)</p>	<p>\$30/hp</p> <p>Custom Efficiency rebate amount is based on energy savings</p>	<p>Electric</p>
<p>Process Efficiency We work with large industrial customers to identify opportunities and design a 3- to 5-year energy management plan.</p>	<p>Projects conserving a minimum of 2 GWh or 8,000 MCF</p>	<p>Customized support proposal including rebates, studies and training</p>	<p>Electric and Gas</p>
<p>Recommissioning Reduce your energy costs by improving the efficiency of your building's existing mechanical systems with low- or no-cost adjustments.</p>	<p>Building system tune-up improves efficiency of existing operating systems and controls.</p>	<p>Xcel Energy will pay up to 50% of the cost of the study, not to exceed \$15,000. Xcel Energy pays for custom incentives for implementation of recommended actions. Preapproval required for studies.</p>	<p>Electric and Gas</p>
<p>Refrigeration Recommissioning Refrigeration Recommissioning is designed to assist customers in tuning up their existing commercial refrigeration system to make sure it's operating correctly and to rectify deficiencies immediately during their investigation.</p>	<p>Rebates for system tune-ups; available to grocery stores, large warehouse grocery outlets and convenience stores.</p>	<p>We offer an investigation rebate based on the high and low temperature case design loads. The maximum rebate is 50% of the cost of the project.</p>	<p>Electric</p>
<p>Saver's Switch Saver's Switch is a pager-activated device that we install on your outside air conditioning units that helps reduce electric loads when price or demand for electricity peak.</p>	<p>Single and dual stage rooftop units are eligible (certain restrictions apply).</p> <p>Peak control customers are not eligible.</p> <p>During periods of peak demand for electricity, typically hot summer afternoons, a signal is sent to the Saver's Switch to cycle your air conditioner(s) off and on for brief intervals. The air conditioner will continue to cool the building during the cycle. There are usually 10-12 days a summer when the switch is activated.</p>	<p>\$5 per ton of enrolled air conditioning per month applied to the electric portion of your bill June through September.</p>	<p>Electric</p>

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