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Commercial Efficiency

Description
A holistic operations and facilities analysis helps create a long-term energy management plan. Commercial customers must have cumulative energy conservation potential of 1 GWh or 4,000 Dth to be eligible.

How it Works
In three phases, we work with you to discuss energy management issues within your organization, review current practices, identify areas that require action and gain consensus on future implementation. You’ll see concrete numbers and customized estimates before moving from step to step.

Phase 1 – Identify opportunities
Phase 2 – Scope energy efficiency potential
Phase 3 – Implement energy efficiency improvements and qualify for rebates and potential bonuses

Details
Customized support includes enhanced analysis, study funding and implementation rebates.
- Call your Xcel Energy account manager for details.

CONTINUOUS IMPROVEMENT MEETS ENERGY EFFICIENCY
Many large business customers have reduced their operating expenses through a systematic quality management approach. Our program uses similar principles to help implement energy management. The result is sustainable energy conservation and savings.

Custom Efficiency*

Description
Rebates for energy efficiency projects that aren’t covered under our other rebate programs.

EXAMPLES
Battery Charger
Controls
Equipment Adjustments
Heat Recovery
Humidification
Injection Molder
Process Change
Welder
Compressed Air
Elevator
Heat Pump
Ice Rink Equipment
Printing Press
Roof
Windows

Details
Rebates of up to $400/kW and/or up to $5/Dth on a wide variety of equipment and process improvements that lead to energy savings.

*Requires preapproval prior to starting the project or study
## Efficiency Controls*

**Description**
Take advantage of rebates for control systems that save energy by automating building systems such as lighting, HVAC and others.

**Details**
Rebates* of up to $400/kW and/or $5/Dth saved for upgrading or installing new building controls.

### INSTALL BUILDING CONTROLS, EARN A REBATE
As part of our Efficiency Controls program, we’ll look at your individual situation to determine a cash incentive level that corresponds to the energy-savings potential of your control system.

### STEPS TO PARTICIPATE
1. Schedule an Energy Audit or Study
2. Submit for Pre-Approval
3. Purchase and Install Equipment
4. Get your Efficiency Controls Rebate

### SCHEDULING
- Holiday scheduling
- Zonal scheduling
- Override control and tenant billing
- Night setup/setback
- Optimum start and stop
- Morning warm-up/cool-down

### RESETS
- Supply air/discharge air temperature
- Hot deck and cold deck temperature
- Entering condenser water temperature
- Chilled water supply temperature
- Variable air volume fan duct pressure and flow
- Chilled water pressure

### MISCELLANEOUS
- Simultaneous heating/cooling control
- Zone-based HVAC control
- Chiller staging
- Boiler control
- Building space pressure
- Variable speed drive control
- Heat recovery

### VENTILATION CONTROL
- Carbon dioxide
- Occupancy sensors
- Supply air volume/outside air damper compensation routines
- Exhaust fans
- Air-side economizers
- Typical air-side
- Night ventilation purge

### LOCKOUTS
- Boiler system
- Chiller system
- Direct expansion compressor cooling
- Resistance heat

### LIGHTING
- Lighting sweep
- Occupancy sensors
- Daylight dimming
- Zonal lighting control

### ENERGY MONITORING¹
- Whole building or end-use
- KWh or demand

### DEMAND CONTROL²
- Demand lighting or load shedding
- Sequential startup of equipment
- Duty cycling

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²Tactics not specifically eligible for rebates, but have a good O&M savings
³Requires pre-approval prior to starting the study or project.
HVAC+R
Steam Trap Rebates & Audits*

Description
Steam traps are vital valves that control steam at points within boiler steam pipes and play an important role in the operation of your heating system.

Details
• $30 per trap repaired or replaced annually
• Download and complete the Stream Trap Rebate Worksheet (xcelenergy.com/HVACR) and submit with your rebate

Steam trap projects with 70% domestic hot water heat and space heat combined are considered prescriptive rebates.
Steam trap projects that have 30% or more process load are considered custom rebates.*

Heating Efficiency System Optimization Study*

Description
If your business is looking to reduce energy spending during the heating season, you can find savings through energy efficiency efforts by having a heating system optimization study. We can analyze all or part of heating systems to uncover and/or assess natural gas savings opportunities, including low- to no-cost adjustments and/or equipment improvements.

Details
Rebates can offset up to 75% of the study costs depending on the expected energy savings, not to exceed $25,000.

*Requires preapproval prior to starting the project or study
Recommissioning*

Description
We offer rebates for tuning up existing building systems and controls with low- or no-cost adjustments.

STEPS TO PARTICIPATE
1. Select a Study Provider
2. Apply for a Study pre-approval
3. Complete Your Study
4. Submit Rebate Application

Details
Study rebates can offset up to 75% of the study costs depending on the expected energy savings, not to exceed $25,000.
• Additional implementation rebates up to $400/kW or $5/Dth.

Turn-Key Services

Description
Energy assessments and/or free project implementation assistance and bundled rebates for the project.

Details
Participate in an ASHRAE level-one assessment to identify energy conservation opportunities. All identified opportunities will include energy savings and cost estimates, cost savings and application rebates.

FREE implementation help is available to move your efficiency projects forward no matter if you participate in an assessment. We can help you with project approval and prioritization, the bidding and selection process, implementation coordination and compiling rebate paperwork.

Earn implementation and bonus rebates for completing your project.

*Requires preapproval prior to starting the project or study
Turn-Key Services Process Map

**Step 1:**
Customer submits preapproval application and defines needs

**Step 2:**
IPM reviews results with customer team and representative. Determines action plan to move project forward, including project scope and implementation plan

- IPM meets with customer and performs assessment
- IPM submits custom preapproval paperwork, if needed, to Xcel Energy
- IPM conducts pre-metering if needed
- Xcel Energy pre-approves project and notifies IPM
- Xcel Energy communicates the pre-approval to IPM.

**Step 3:**
Customer and IPM complete the bidding process and coordination of implementation

- IPM gathers paperwork and completes rebate application
- Rebate is paid by Xcel Energy
## Foodservice Equipment

**Description**
Prescriptive rebates for purchasing and installing energy efficient gas foodservice equipment

**Details**

<table>
<thead>
<tr>
<th>GAS EQUIPMENT</th>
<th>REQUIREMENTS</th>
<th>REBATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broilers</td>
<td>Must be infrared and upright</td>
<td><strong>$600</strong> per unit</td>
</tr>
<tr>
<td>Charbroilers</td>
<td>Infrared</td>
<td><strong>$300</strong> per unit</td>
</tr>
<tr>
<td>Combination ovens</td>
<td>All qualify</td>
<td><strong>$1,000</strong> per unit</td>
</tr>
<tr>
<td>Convection ovens</td>
<td>All qualify</td>
<td><strong>$500</strong> per unit</td>
</tr>
<tr>
<td>Conveyor ovens</td>
<td>All qualify</td>
<td><strong>$750</strong> per unit</td>
</tr>
<tr>
<td>Demand-controlled ventilation</td>
<td>Combo or gas-only customer</td>
<td><strong>$250</strong> per exhaust fan hp</td>
</tr>
<tr>
<td>Dishwashers</td>
<td>ENERGY STAR low-temperature dishwasher without booster heater</td>
<td><strong>$250</strong> per unit</td>
</tr>
<tr>
<td></td>
<td>ENERGY STAR high-temperature water heating using Xcel Energy natural gas</td>
<td><strong>$250</strong> per unit</td>
</tr>
<tr>
<td></td>
<td>ENERGY STAR high-temperature water heating using Xcel Energy natural gas</td>
<td><strong>$125</strong> per unit</td>
</tr>
<tr>
<td>Fryers</td>
<td>Infrared or ENERGY STAR</td>
<td><strong>$250</strong> per unit</td>
</tr>
<tr>
<td>Pasta cookers</td>
<td>All qualify</td>
<td><strong>$200</strong> per unit</td>
</tr>
<tr>
<td>Rotating rack ovens</td>
<td>All qualify</td>
<td><strong>$500</strong> per unit</td>
</tr>
<tr>
<td>Rotisserie ovens</td>
<td>Infrared</td>
<td><strong>$500</strong> per unit</td>
</tr>
<tr>
<td>Salamander broilers</td>
<td>Infrared</td>
<td><strong>$150</strong> per unit</td>
</tr>
</tbody>
</table>
**HVAC+R**

**Heating**

**Description**
Energy efficiency improvements can provide long-term savings and rebates that can cover up to 60% of up-front costs. This can shorten your payback to an average of three years depending on the equipment installed.

**Details**

Rebates Available
Hot Water Heaters
Commercial Furnaces
ECMs for Furnace Fans*
Unit Heaters
Boilers
Boiler Tune-Ups
Pipe Insulation
Heating System Improvements

**NEW IN 2019!**
- Prescriptive rebates for Ozone laundry systems
- $35 per pound of commercial washer capacity, up to 60% of project costs
- Invoices must be dated January 1, 2019 or later to qualify for a prescriptive rebate
- See the Ozone Laundry on xcelenergy.com application for rebate requirements and details
Residential Heating

**Description**
Heating and cooling your home typically accounts for 50% of your energy bill. A new, high-efficiency natural gas furnace with an ECM (Electronically Commutated Motor) offers the greatest rebate.

**Details**
Residential natural gas customers are eligible for heating system rebates. Residential electric customers are eligible for ECM rebates. Eligible customers can receive up to $500 in rebates.

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>CUSTOMER REQUIREMENT</th>
<th>EFFICIENCY</th>
<th>REBATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas Furnace – Existing home</td>
<td>Natural Gas</td>
<td>95% AFUE</td>
<td>$200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>96% AFUE</td>
<td>$300</td>
</tr>
<tr>
<td></td>
<td></td>
<td>97% AFUE</td>
<td>$400</td>
</tr>
<tr>
<td>Natural Gas Furnace – New Construction</td>
<td>Natural Gas</td>
<td>95% AFUE</td>
<td>$100</td>
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<tr>
<td></td>
<td></td>
<td>96% AFUE</td>
<td>$150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>97% AFUE</td>
<td>$200</td>
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<tr>
<td>Natural Gas Hot Water Boiler</td>
<td>Natural Gas</td>
<td>84% AFUE</td>
<td>$100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90% AFUE</td>
<td>$300</td>
</tr>
<tr>
<td></td>
<td></td>
<td>95% AFUE</td>
<td>$400</td>
</tr>
<tr>
<td>ECM – New Furnace</td>
<td>Electric</td>
<td></td>
<td>$100</td>
</tr>
<tr>
<td>ECM – Retrofit Existing Furnace</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Residential Insulation

Description
Rebates help offset the cost of insulation and air sealing upgrades.

By sealing uncontrolled air leaks with insulation customers can expect to:

• See savings of 10-20% on heating and cooling bills
• Experience improved comfort
• Reduce drafty cold spots
• Reduce noise from the outside
• Have less pollen, dust and insects in the home
• Maintain better humidity

Details
ELIGIBLE INSTALLATIONS INCLUDE:
1. Attic insulation, attic hatch, and air sealing:
   • Must have a pre R-value of 20 or less, and
   • Must have a post R-value of 44 or greater.
   • If existing is R-21 or greater, must add at least R-25 of additional insulation.
2. Air sealing: Tighten the building envelope, reduce energy loss from air leakage, and improve indoor air quality by reducing pollutants and allergens. Installers improve thermal comfort and energy efficiency through the proper installation of dense-pack insulation materials.
3. Wall insulation:
   • Must have empty wall cavity
   • Must have post R-value of 12 or more

THESE AREAS ARE NOT ELIGIBLE FOR AN INSULATION REBATE:
New construction
New residential additions
Garages
Sheds
Workshops
Basements
Insulating doors
Mobile homes
Soundproofing applications
Properties with more than four units
GAS TERRITORY

Territories we serve

Afton  Elyssian  Elyssian Township  Fairfield  Fairview Township  Falcon Heights  Fairbault  Farmington  Fifty Lakes  Foley  Forest Lake  Forest Lake Township  Fraconia Township  Franklin Township  Gem Lake  Glyndon  Goodhue County  Goodview  Grant  Grant Township  Green Isle  Green Isle Township  Green Lake  Greenwald  Grey Cloud Island Township  Ham Lake  Hamburg  Haven Township  Hay Creek Township  Hennepin County  Hitterdal  Holdingford  Hugo  Ideal Township  Independence  Inver Grove Heights  Irving Township  Isanti  Insanti Township  Jackson Township  Jenkins  Jenkins Township  Kandiyohi County  Kandiyohi Township  Kandiyohi  Lake City  Lake Edward Township  Lake Elmo  Lakeland  Lakeland Shores  Landfall  Lauderdale  Le Sauk Township  Le Seur County  Lent Township  Lilydale  Lindstrom  Lino Lakes  Linwood Township  Little Canada  Loon Lake Township  Louisville Township  Lynden Township  Madison Lake  Mahtomedi  Manhattan Beach  Maplewood  Marine on St. Croix  Marysvile Township  May Township  McPherson Township  Meecker County  Mendota  Mendota Heights  Middleville Township  Mille Lacs County  Minden Township  Minnesota City  Minnetrista  Montrose  Moorhead  Moorhead Township  Morrison County  Mounds View  Mount Pleasant Township  New Brighton  New London  New London Township  New Scandia Township  Newport  Nisswa  Nobles County  North Branch  North Branch Township  North Oaks  North St. Paul  Northfield  Oak Park Heights  Oakdale  Oaklawn Township  Oakport Township  Orrock Township  Ottertail County  Oxford Township  Palmer Township  Pelican Township  Pequot Lakes  Pillager  Pine River  Pine River Township  Pine Springs  Pleasant Hill Township  Pleasant Lake  Polk County  Red Wing  Rice  Rice County  Rockford Township  Rockville  Rollingstone  Rosemount  Roseville  Royalton  Santiago  Sartell  Sauk Rapids  Scandia  Scott County  Shafer  Shafer Township  Shakopee  Sherburne County  Shoreview  Sibley County  Sibley Township  South St. Paul  Spencer Brook Township  Spicer  St. Augusta  St. Clair  St. Cloud  St. Joseph  St. Michael  St. Paul  St. Paul Park  St. Stephaan  St. Wendell Township  Stacy  Stearns County  Stillwater  Stillwater Township  Sunfish Lake  Sunrise  Sunrise County  Sylvan Township  Tayors Falls  Timothy Township  Ulen  Vadnais Heights  Victor Township  Wabasha  Wabasha County  Wacousta Township  Waite Park  Walden  Warsaw  Warsaw Township  Washington County  Washington Lake Township  Washington Township  Waverly  West Lakeland Township  West St. Paul  White Bear Lake  White Bear Township  Willernie  Wilson  Winona  Winona County  Woodbury  Woodland Township  Wright County  Wyanett Township  Wyoming  Wyoming Township  Zimmerman