NATURAL GAS ENERGY EFFICIENCY SOLUTIONS
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WHOLE BUILDING PROGRAMS

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.

Custom Efficiency

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

EXAMPLES
Battery Charger  Compressed Air
Controls  Elevator
Equipment Adjustments  Heat Pump
Heat Recovery  High Speed Dock Door
Humidification  Ice Rink Equipment
Injection Molder  Printing Press
Process Change  Roof
Welder  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.

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.
WHOLE BUILDING PROGRAMS

**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

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### 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

Steamp 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
STUDY FUNDING

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 meets with customer and performs assessment
IPM reviews results with customer team and representative. Determines action plan to move project forward, including project scope and implementation plan
IPM submits custom preapproval paperwork, if needed, to Xcel Energy
IPM conducts pre-metering if needed

**Step 3:**
Customer and IPM complete the bidding process and coordination of implementation
IPM conducts pre-metering if needed
IPM gathers paperwork and completes rebate application
Rebate is paid by Xcel Energy

**IMPLEMENTATION PROJECT MANAGER (IPM)**

**XCEL ENERGY**

Xcel Energy pre-approves project and notifies IPM
Xcel Energy communicates the pre-approval to IPM.
## COMMERCIAL EQUIPMENT REBATES

### 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>Conveyors 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></td>
<td></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>
COMMERCIAL EQUIPMENT REBATES

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>
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<tr>
<td></td>
<td></td>
<td>97% AFUE</td>
<td>$400</td>
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<tr>
<td>Natural Gas Furnace – New Construction</td>
<td>Natural Gas</td>
<td>95% AFUE</td>
<td>$100</td>
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<td></td>
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<td>96% AFUE</td>
<td>$150</td>
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<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>
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<td></td>
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<td>90% AFUE</td>
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<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>
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</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
Almelund
Amador Township
Anoka County
Arden Hills
Baldwin Township
Barclay Township
Barnesville Township
Baxter
Bayport
Baytown Township
Becker
Bellevue Township
Benton County
Big Lake
Birchwood
Blaine
Blue Earth County
Blue Hill Township
Breckenridge
Breckenridge Township
Breckenridge
Brockway Township
Buffalo
Buffalo Township
Carver County
Cass County
Center City
Centerville
Chickamaw Beach
Chisago City
Chisago County
Chisago Lake Township
Clay County
Clear Lake
Clearwater
Cleveland
Cleveland Township
Collegeville
Collinwood Township
Columbus Township
Cordova Township
Cosmos
Cosmos Township
Cottage Grove
Crosslake
Crow Wing County
Dakota County
Darwin
Darwin Township
Dassel
Dassel Township
Delano
Dellwood
Denmark Township
Dilworth
Dundas
Eagan
East Bethel
East Grand Forks
East Gull Lake
Ellsworth Township
Elysian
Elysian 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
LeSauk 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
Marysville Township
May Township
McPherson Township
Meeker County
Mendota
Mendota Heights
Middleville Township
Mille Lacs County
Minden Township
Minneapolis
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
Pilger
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
Shafter
Shafter 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. Stephens
St. Wendell Township
Stacy
Stearns County
Stillwater
Stillwater Township
Sunfish Lake
Sunrise
Sunrise County
Sylvan Township
Taylors Falls
Timothy Township
Ulen
Vadnais Heights
Vicar Township
Wabasha
Wabasha County
Waconia Town
Waite Park
Wadena
Warsaw
Washington County
Washington
Washington Township
Waverly
West Lakeland Township
West St. Paul
White Bear Lake
White Bear Township
Willerien
Wilson
Winona
Winona County
Woodbury
Woodland Township
Wright County
Wyanett Township
Wyoming
Wyoming Township
Zimmerman