

Prescriptive Program Rebate Application

Heating, Ventilation, Air-Conditioning, and Refrigeration (HVAC-R)

OID: _____
Internal use only

Including Efficient Fuel Switching (EFS), invoices must be dated Jan. 1, 2024 or later.. See page -10- for more details.

Customer information

Xcel Energy premises numbers: Electric: _____ and/or Gas: _____

Company name _____ Date submitted _____

Installation address _____ City _____ State _____ ZIP _____

Mailing address _____ City _____ State _____ ZIP _____
(For rebate if different from installation address)

Contact name (PRINT) _____ Phone _____

Contact email* _____ Fax _____

Equipment location description (required)

The total project cost: \$ _____
(Acceptable expenses include equipment and labor and do not include tax, freight or shipping costs.)

Customer signature _____ Date _____

This signature is required from the individual tied to the Xcel Energy premises number herein. By signing here, I acknowledge the information in this application is accurate and complete. I confirm I have read, agree with and understand the terms and conditions on page 3 of this application. I also authorize Xcel Energy to provide a copy of the project preapproval notification to the equipment supplier or vendor so as to expedite the project process.

Alternative rebate recipient

Complete this section only if the customer wants the rebate check to go to someone other than the customer contact tied to the premises number above.

Company name _____ Contact name _____

Address _____ Phone _____

City _____ State _____ ZIP _____

I authorize the above company to receive the rebate check for this project.

Customer signature _____ Date _____

Xcel Energy account representative name _____ Signature _____

Landlords and owners may sign for and receive rebates for qualifying equipment they purchase as long as they are listed as a landlord or owner in the Xcel Energy billing system, the current tenant does not need to authorize the rebate. Contact the Business Solutions Center at 855-839-8862 for more information.

Trade partner information (vendor/contractor information)

Trade partner company name _____ Trade partner ID# _____

Contact name (PRINT) _____ Role in project: Equipment installer Distributor

Address _____ City _____ State _____ ZIP _____

Contact email* _____ Phone _____

Installation trade partner company name _____ Trade partner ID# _____

Contact name (PRINT) _____ Role in project: Equipment installer Distributor

Address _____ City _____ State _____ ZIP _____

Contact email* _____ Phone _____

*By providing your email address, you are granting Xcel Energy permission to send updates or questions via email regarding this project as well as future emails regarding our programs and services.

Facility information

County of installation _____

Please identify which of the following best reflects the commercial building type where your equipment will be installed.

(Check all which apply to the equipment installed.)

- | | |
|--|--|
| Apartment building | Liquor store |
| Convenience store | Lodging/hotel or motel or residence inn facility |
| Data center | Manufacturing |
| Education – community college/university | Office-high rised – (> 250,000 sq. ft., > 8 stories) |
| Education – primary/elementary school | Office-low rised – (< 25,000 sq. ft., 1 – 2 stories) |
| Education – secondary school/middle school, high school | Office-mid rised – (25,000 – 250,000 sq. ft., 3 – 8 stories) |
| Fast food restauran | Other or Other Commercial |
| Sit-down restaurant/casual/bar-and-grill-type facility | Process cooling |
| Fitness center | Process load |
| Grocery/superstore | Retail – franchise |
| Health/medical – clinic/nursing/alternative care living facility | Retail – large department store |
| Health/medical – hospital | Retail – strip mall |
| Industrial (for motors switched reluctance, full hp ECMs and VFD installations only) | Warehouse/distribution center |

For water well pump VFDs only, Rebates ending December 31, 2024, and the 24-month invoice time frame do not apply to this retiring rebate.

- Municipal water supply
- Golf course/landscape irrigation
- Agricultural irrigation

Other applications which could include:

- Snow making when water is pumped from a well.
- Lift stations that are pumping from a well.
- Waste water pumping from a well.
- Storm water pumping from a well.

For custom-built air conditioning or heating equipment only:

If you are unable to provide documentation listed under the rules and requirements section on page 3 for the rebate you are applying for, please complete and sign the custom-built equipment efficiency standard statement below. For boiler replacement and new boiler rebates see page 5 for additional information.

I affirm that the efficiency requirements for the rebate I am applying for meets the product requirements set forth in this application.

Cooling or Heating rebate _____

Customer signature _____

Title _____ Date _____

Equipment installer signature _____

Title _____ Date _____

Business Solutions Center 855-839-8862

Minnesota

Qualifying customers

Xcel Energy Prescriptive Rebate programs are available to Xcel Energy business electric and/or gas customers that install qualifying equipment in Xcel Energy's Minnesota service territory.

How to apply for rebates

1. Fill out the rebate application (for each installation address).
2. Attach a copy of the paid, itemized invoice(s). Be sure that the quantity, make, model number and unit price of each item appears on the invoice.
3. Make a copy of this document for your records.
4. If you have questions, please contact your Xcel Energy account manager or one of our energy efficiency specialists to discuss and/or complete the project application form.
5. You can email your completed project paperwork to: EnergyEfficiency@xcelenergy.com, fax to: 800-311-0050, or mail to: Energy Efficiency Specialist, Business Solutions Center, P.O. Box 8, Eau Claire, WI 54702-0008.
6. Once completed paperwork is submitted, rebate payments are usually made in six to eight weeks after the rebate application has been processed.

Custom efficiency rebate program

Equipment that is not eligible for prescriptive rebates can be submitted through the Custom Efficiency program. Custom rebates require application submittal before equipment order, purchase, or installation. Visit xcelenergy.com/CustomEfficiency to learn more. The Custom Efficiency rebate application and program details can be found at xcelenergy.com/CustomEfficiency.

Rules and requirements

- All equipment must be new. **Used or rebuilt equipment is not eligible for a rebate.**
- Equipment must meet program specification requirements and be purchased, installed and operating prior to submitting an application for a rebate. Xcel Energy reserves the right to withhold payment for products that do not meet the requirements.

Air-conditioning and Heating equipment rebates which require documentation:

Air-Conditioning, Heating and Refrigeration Institute (AHRI) Certificate (cert) is no longer required when submitting completed project paperwork. Other forms of documentation will now be accepted if the AHRI cert cannot be found.

The AHRI cert is the preferred method of documentation for cooling and heating equipment that require AHRI certification and can be found at ahridirectory.org.

- If this documentation cannot be found the following documentation is now an acceptable substitute;
 - The manufacturer's specification sheet that shows the equipment's actual capacity, energy consumption, and operating conditions (design temperatures, flows, pressures, etc.) as applicable.
 - Readable photo of the equipment showing the name plate efficiency.

For custom built equipment you can use the Custom Built efficiency standard statement that is located on page 2 of this application.

- Rebates cannot exceed 60 percent of the project cost (including equipment and labor).
- A signed application and detailed installation invoice(s) must be completed and submitted to Xcel Energy within the time frame as follows:
 - You have 24 months from the date of purchase (listed on your invoice) to submit your rebate application.
 - For qualifying heating, ventilation, air-conditioning, and refrigeration equipment purchases:

- Xcel Energy is not responsible for any lost, late, stolen, illegible, misdirected or postage-due mail.
- All completed submissions become the property of Xcel Energy upon receipt and will not be returned.
- Xcel Energy rebate options.
- Xcel Energy reserves the right to conduct a random on-site inspection of your project before or after issuing a rebate. The customer agrees to provide reasonable access to inspect the installation. On-site inspections may be performed up to one year after the date the rebate check is issued. If Xcel Energy finds that the application does not comply with Xcel Energy rules and qualifications, any rebate amount may be adjusted, denied or subject to return.
- Program rules, requirements and offer are subject to changes at any time. Xcel Energy's prescriptive rebate programs are subject to 60 days notice of cancellation. Changes or notifications will be posted at xcelenergy.com/Rebates. The customer and trade partner are responsible for contacting an energy efficiency specialist to determine whether the program is still in effect and to verify program parameters. Call 855-839-8862 or email EnergyEfficiency@xcelenergy.com.
- Xcel Energy reserves the right to refuse payment and participation if the customer or contractor violates program rules and procedures, or local, state or federal regulations. Xcel Energy is not liable for rebates promised to customers as a result of misrepresentation of the program.
- Xcel Energy's acceptance of the application does not guarantee payment of rebate.
- Xcel Energy retains the right to limit rebates or to make adjustments to correct incentive calculations if necessary. Energy savings calculations are estimates and may vary from actual results.
- Efficient Fuel Switching, also known as Beneficial Electrification (BE), are terms that may be used interchangeably for these rebates.

Warranty information

- Xcel Energy does not endorse any particular manufacturer, product or system design by offering these rebates.
- Xcel Energy is not responsible for any tax liability imposed on the customer as a result of the payment of rebates; does not expressly or implicitly warrant the performance of installed equipment (contact your contractor for detailed equipment warranties).
- Xcel Energy is not responsible for the proper disposal/recycling of any waste generated as a result of this project; is not liable for any damage caused by the operation or malfunction of the installed equipment; and does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under these programs.

Chiller rebates

A customer is eligible for multiple chiller prescriptive rebates at the same premises, as long as each chiller runs a minimum of 300 hours per year. If a customer is installing multiple chillers at the same premises which do not meet this operating hours requirement, the project may be eligible for a rebate through our Custom Efficiency program.

Rebate payment option (if no option is chosen, the reimbursement will default to a check)

Check (rebate will be mailed)

Bill credit (rebate will be applied as a credit to the Xcel Energy account)*

Direct deposit (ACH Payments are available to customers that are enrolled in Auto Pay)**

*Must be an active Minnesota commercial customer to qualify for this payment option

**Must be enrolled in Auto Pay to qualify for this payment option

Efficient Fuel Switching

“Geographic Consistency,” applicable “Geographic Consistency,” Policy: applicable to customers who may have natural gas service with another utility. Described in more detail in the segment overview, this policy is intended to ensure all Xcel Energy electric customers can receive the same overall incentive for EFS measures regardless of their heating fuel provider. Consistent with the framework established by ECO, the incentives available to Xcel Energy natural gas customers interested in fuel-switching are provided through gas EFS funding, with net savings allocated to the gas portfolio. Electric EFS funding is used to support customer and contractor education and awareness, to encourage efficient fuel-switching of end-uses not currently met with natural gas, and to provide additional customer incentives in support of the Geographic Consistency policy. For more information see Xcel Energy 2024-2026 filing, page 12. [DSM Regulatory News & Info - 23-92 - 2024-2026 MN Triennial Plan 062923.pdf - All Documents \(sharepoint.com\)](#)

HVAC-R Rebate Index

Heating systems [Print heating systems \(pages 5–9\)](#)

Aerators and sprayers

- Sink aerator – restroom (electric water heating)
- Sink aerator – kitchen (electric water heating)
- Commercial hot water pre-rinse sprayer (electric water heating)
- Commercial hot water pre-rinse sprayer (gas water heating)
- Faucet aerator – restroom (gas water heating)
- Faucet aerator – kitchen (gas water heating)
- Boilers: Hot water (new), Hot water (replacement), Steam Process load and non-processload
- Boiler add-ons: Linkageless controls, Modular burners ≥ 5:1 turndown ratio, Outdoor air reset controls, O₂ trim control, Stack dampers, Turbulators
- Boiler tune-ups Process load and non-process load
- Furnaces (commercial)
- Pipe insulation
- Steam trap repair or replacement
- Unit heaters
- Water heaters (direct fired, commercial)

Efficient Fuel Switching (or Beneficial Electrification) [Print EFS improvements \(page 10\)](#)

- Dual Fuel Rooftop units, DF RTUs
- Heat Pump Water Heaters HPWHs, commercial and residential

Ventilation [Print ventilation \(pages 11-12\)](#)

- Energy Recovery Ventilators
- High-volume low speed fans
- Variable frequency drives (VFDs) for HVAC and non-HVAC systems

Air-conditioning [Print air-conditioning \(pages 13-15\)](#)

- Chillers – air-cooled
- Chillers – centrifugal
- Chillers – screw/scroll
- DX units: condensing units, rooftop, split systems
- Direct Expansion (DX) Air-Cooled Condensing Units including rebate for the replacement of the refrigeration circuit only.
- Heat pumps – mini split heating and cooling or cooling only
- Heat pumps – water source
- PTACs
- VFD retrofit for chiller (for air or water-cooled chillers)

Custom efficiency rebates [Print custom efficiency improvements \(page 22\)](#)

If your energy-saving HVAC project does not qualify for one of the prescriptive rebates listed in this application, it could qualify for a rebate through our Custom Efficiency program. See details and types of HVAC projects which may qualify. Custom rebates require application submittal before equipment order, purchase, or installation. Visit [xcelenergy.com/CustomEfficiency](#) to learn more.

Refrigeration Recommissioning is now available. See the Commercial Refrigeration page to learn more.

Refrigeration improvements [Print refrigeration improvements \(pages 16-18\)](#)

- Anti-Sweat Heater Controls – low and medium temp
- Close the case - coolers and freezers
- Defrost controls for walk-in freezers
- EC Motors – display cases
- EC Motors – walk-in
- Evaporative motor fan controller (EMFC) (coolers and freezers)
- Floating head pressure controls
- LEDs for refrigerated cases
- Medium-temp enclosed reach-in cases
- No-heat case doors (coolers and freezers)
- Permanent magnet synchronous motors (PMSM) – low and medium temp display cases
- Permanent magnet synchronous motors (PMSM) – Cases and walk-ins

Other related equipment [Print other related equipment \(pages 19-21\)](#)

- Fractional HP ECM pumps and HP ECM HVAC fans Switched reluctance
- Full HP Electronically commutated Motors (ECM)s Water well pump VFDs
- Motors and NEMA premium

Eligibility:

Depending on the rebate you are applying for, you must be an Xcel Energy commercial customer receiving gas and/or electric service in Minnesota. Rebates can only be applied to services provided to customer by Xcel Energy. Additional requirements may apply.

- Commercial electric customer
- Commercial gas customer
- Combo commercial electric and gas customer

Tips to submit your rebate application:

By email: Fill out, save and email to EnergyEfficiency@xcelenergy.com

By mail:

- Print pages 1 and 2 which includes your contact information and facility type (required) and;
- Print the application sections which you have filled out that are related to the rebate(s) you are applying for.







Mail the pages above to:
Business Solutions Center
P.O. Box 8
Eau Claire, WI 55072

Did you know?

You can save time by submitting your rebate application online. Go to [xcelenergy.com/Digital_Application](#) and follow the steps.

Heating systems

Heating other than boilers, equipment which has 30% or more process load does not qualify for a prescriptive rebate, but may be eligible for a custom rebate. See page 17 for information on Custom Efficiency rebates.

Aerators and sprayers						
Measure Description	Manufacturer	Model #	Total equipment cost	Quantity	Rebate amount (\$)	Total rebate
 Faucet aerator – restroom (electric water heating)					\$8/aerator	
 Faucet aerator – kitchen (electric water heating)					\$8/aerator	
 Commercial hot water pre-rinse sprayer (electric water heating)					\$45/sprayer	
 Commercial hot water pre-rinse sprayer (gas water heating)					\$45/sprayer	
 Faucet aerator – restroom (gas water heating)					\$8/aerator	
 Faucet aerator – kitchen (gas water heating)					\$8/aerator	

Commercial Boilers Boilers larger than 10,000,000 BTUH fall under custom									
Boiler type	Minimum requirements	Rebate calculations	Use	Manufacturer	Model #	Boiler size in million BTUH1	Efficiency	Quantity	Total rebate
Replacement hot water boiler	≥ 88% efficient*	\$7,000/ million BTUH	Space heating Domestic hot water Both— space heating and domestic hot water						
New hot water boiler	85% efficient (no change)	\$800/ million BTUH							
	≥ 88% efficient*	\$3,500/ million BTUH							
Steam boilers	81% efficient	\$500/ million BTUH							

*If using the Digital Application (DAP) use boiler v3 to access the revised boiler efficiency requirements for condensing boilers.

BTUH is determined by the boiler input size. Boiler Efficiency is determined by the high-fire combustion efficiency at 80 °F return-water temperature and 180 °F leaving-water temperature (per AHRI testing criteria), unless actual design conditions for the specific boiler application are documented. Find boiler efficiency ratings at ahridirectory.org.

Industrial Boilers (Invoices must be dated 1/19/23 or later to qualify for prescriptive rebates) Minimum 2.5MMBtu and a maximum of 300MMbtu. Industrial boilers outside the prescriptive range fall under custom heating.										
Boiler type	Minimum requirements	Rebate Calculations	Use	Manufacturer	Model #	Boiler size in million BTUH	Efficiency	Provide utilization factor if known. Otherwise the default value of 41.99 % will be used.	Qty.	Total Rebate
New hot water boiler	85% efficient	\$500/ million BTUH	30% or more process load							
	≥88% efficient	\$1000/ million BTUH								
Steam boilers	81% efficient	\$500/ million BTUH								

Full load unit of efficiency requirements		
Boiler type	New boiler size	Unit of measurement
Steam or hot water	< 300,000 BTU/h	AFUE
Steam or hot water	≥ 300,000 BTU/h and ≤ 2,500,000 BTU/h	Et (thermal eff.)
Hot water only	> 2,500,000 BTU/h	Ec (combustion eff.)
Steam only	> 2,500,000 BTU/h	Et (thermal eff.)

Business Solutions Center 855-839-8862

Minnesota

Boiler replacement and new boiler rebate requirements

Boiler replacement rebates are available to eligible customers who replace a functioning or working boiler less than 30 years old. To qualify, it must be replaced with a boiler of the same size or smaller in order to qualify for the early retirement boiler rebate. If not, the rebate will revert to the new boiler rebate.

Include a copy of the current Minnesota state boiler inspection report indicating the boiler was functional prior to the boiler being replaced. The State of Minnesota requires all boilers 750,000 BTUH or larger to have an inspection, per the State of Minnesota statutes 326B.988 line #13.

If the Minnesota State Boiler Inspection report is not available, or if the boiler being replaced is less than 75,000 BTUH, one of the following forms of documentation are required to verify the age of the retired boiler to qualify for this rebate:

- Copy of the City permit showing the date the boiler was installed
- Copy of the insurance certificate showing the date the boiler was installed
- Readable photo of the boiler name plate showing the date the boiler was installed
- Boiler serial number
- Copy or print out of the manufacturer model number with date range this model was manufactured
- Email from the trade partner or customer certifying the boiler was functioning and less than 30 years old.

NOTE: The customer and trade partner will be required to sign and date the boiler replacement certificate showing the boiler replaced was functioning at the time it was replaced. Sign the confirmation below and submit for boiler replacements.*

New boiler rebates are available to eligible customers who install a boiler where one never existed, or replace a non-operating (nonworking) boiler or if the replacement boiler is larger than the boiler that was removed. If the installed boiler is smaller than the removed boiler, then the project would qualify for the new boiler rebate.

*If you are using the email option to sign off certifying the boiler was functioning and less than 30 years old, please include a copy of the email or emails from the customer and boiler installer with your completed project paperwork and sign and date the confirmation below.

I affirm that the boiler was functioning at the time of replacement.

Customer signature _____ Title _____ Date _____

Boiler installer signature _____ Title _____ Date _____

See note on page 3 regarding documentation requirements.

Boiler add-ons The boiler maximum size limitation of 10 MMBTU for prescriptive rebates does not apply to boiler add-ons. These rebates are retrofits to existing boilers

Product	Rebate	Maximum rebate	Boiler use	Process load %	Boiler size in million BTUH	Cost per unit of equipment	Quantity	Total rebate
Linkageless controls on non-condensing boiler	\$300/million BTUH	\$10,000	Space heating Domestic hot water Both	_____ %				
Modular burners ≥ 5:1 turndown ratio	\$1,500/million BTUH	\$7,000	Space heating Domestic hot water Both	_____ %				
Outdoor air reset controls	\$200/control	N/A	Space heating Domestic hot water Both	_____ %				
O ₂ trim control	25% of equipment cost	\$5,000/ boiler max	Space heating Domestic hot water Both	_____ %				
Stack dampers	25% of equipment cost	\$250	Space heating Domestic hot water Both	_____ %				
Turbulator	25% of equipment cost	\$400/ boiler max	Space heating Domestic hot water Both	_____ %				

Modulating burner and outdoor air reset control rebates not available for new condensing boilers but are available for other boilers

Commercial Boiler tune up								
Details	Rebate	Boiler description	Boiler use	Boiler size per million BTUH	Process load %	Project cost	Boiler type	Total rebate
Boiler tune-up If more than one boiler tune-up is completed at the same premises, add another page	25% of tune-up cost up to \$250 per boiler, every other year.	Serial # _____	Space heating Domestic hot water Both				Condensing Non-condensing	
		Manufacturer _____						
		Age _____	Post efficiency percentage _____ %					
		Model # _____						

Industrial Boiler tune-up (Invoices must be dated 1/19/23 or later to qualify for prescriptive rebates)								
Details	Rebate	Boiler Description	Boiler use	Boiler size in million BTUH	Provide utilization factor if known. Otherwise the default value of 41.99 % will be used.	Project Costs	Boiler type	Total rebate
Boiler tune-up If more than one boiler tune-up is completed at the same premises, add another page	25% of tune-up cost up to \$250 per boiler, every other year	Serial # _____	30% or more process load				Condensing Non-condensing	
		Manufacturer _____						
		Age _____						
		Model # _____						

Tune-up requirements

Must check off each item as part of the tune-up requirements:

- Adjust air flow and reduce excessive stack temperatures
- Adjust burner and gas input, manual or motorized draft control
- Check adequacy of combustion air intake
- Check for proper venting

- Check safety controls
- Clean and inspect burner nozzles and combustion chamber
- Clean heat exchange surface when weather or operating schedule permits
- Complete visual inspection of system piping and insulation

Acceptable forms of of documentation include:

- Electronic print out of flue gas analyzer test (preferred method)
- Handwritten test results
- Information printed on the invoice

Furnaces (Commercial)							
Minimum efficiency	Rebate	Efficiency	Manufacturer	Model #	Size in million BTUH	Quantity	Rebate
90% AFUE	\$100	_____ % AFUE					
92% AFUE	\$200	_____ % AFUE					
94% AFUE	\$250	_____ % AFUE					
96% AFUE	\$300	_____ % AFUE					

Pipe insulation						
Pipe diameter	Average fluid temp: 105°F – 200°F Conductivity 0.21 – 0.29 BTU In / (H ft² °F)		Average fluid temp: 201°F – 250°F Conductivity 0.27 – 0.30 BTU In / (H ft² °F)		Average fluid temp: 251°F – 350°F Conductivity 0.29 – 0.32 BTU In / (H ft² °F)	
	Minimum insulation thickness	Rebate \$/ft	Minimum insulation thickness	Rebate \$/ft	Minimum insulation thickness	Rebate \$/ft
0.5" to < 1.0"	1.0"	\$5	1.5"	\$6	2.0"	\$8
1.0" to < 1.5"	1.0"	\$5	1.5"	\$6	3.0"	\$8
1.5" to < 4.0"	2.0"	\$6	2.5"	\$8	4.5"	\$9
> 4.0"	2.0"	\$6	3.0"	\$8	4.5"	\$9

Pipe insulation (cont)									
Pipe diameter (inches)	Linear feet of insulation	Thickness of insulation (inches)	Average fluid temperature	Pipe use	Existing insulation being replaced	Pipe location	Process load	Rebate \$/feet (from chart above)	Total rebate
	_____ ft		_____ °F	Space heating Domestic hot water Both	Repaired Did not exist	Inside Outside			
Total rebate = pipe diameter inches x linear feet x rebate amount Total pipe insulation rebate \$ _____									

Pipe insulation rebates are available for adding insulation to existing bare pipe or replacing damaged existing insulation. For pipe diameter that falls outside the pipe size chart, round down to the next size and use the corresponding rebate value. Insulating new pipes is not eligible. Other pipe insulation rebates may be available through Custom Efficiency, which requires preapproval prior to purchase and installation. If the information varies throughout the system, please provide requested information for each variation. Attach an additional sheet if needed.

Commercial and Industrial Steam traps repair or replacement. Invoices must be dated January 1, 2024, or later for Industrial steam traps.					
Type	Rebate	Boiler Use	Steam trap pressure for industrial steam traps use value from chart below. *For Industrial process load traps provide PSI value.	# of traps	Total rebate
Commercial	\$30 per trap repaired or replaced annually	Space heating Domestic hot water Both	High Low		
Industrial Process Load	\$100 per trap repaired or replaced annually	Process load	Low _____ Medium _____ High _____		

*Qualifying steam pressure for industrial process steam traps	
Low pressure: psig < 15	High pressure: 125 ≤ psig < 175
Medium pressure: 15 ≤ psig < 30	High pressure: 175 ≤ psig < 250
Medium pressure: 30 ≤ psig < 75	High pressure: 250 ≤ psig < 300
High pressure: 75 ≤ psig < 125	Pressure > 301 psig falls under custom

Audit:

- Download and complete the Steam Trap Rebate Worksheet (.xls file available at xcelenergy.com/HVACR) and submit with your rebate application. **Steam trap audits** are limited to every other calendar year.
 - Orifice traps and trap cleaning do not qualify for a rebate.
- In order to qualify for the steam trap audit of \$15 per trap you must repair or replace the traps identified in the audit.
- There is no payment for doing the audit without replacing or repairing of steam traps.

Steam traps – Repair and replace, and audits:

Repair and replace:

- Download and complete the Steam Trap Rebate Worksheet (.xls file available at xcelenergy.com/HVACR) and submit with required documentation. Steam trap repair and replace rebates are available every 12 months.
- Rebate: \$30 per trap repaired or replaced for commercial customers and \$100 for industrial customers.

Steam trap projects with 70 percent domestic hot water heat and space heat combined can qualify for a prescriptive rebate listed above.

Unit heaters							
	Minimum requirements	Rebate	Space temperature–unit heater set point	Percent time used–% of time during the heating season	# of BTUH per heater	Quantity	Rebate
Non-condensing unit heater	83% efficient	\$50 per 100,000 BTUH					
Condensing unit heater	>90% efficient	\$500 per 100,000 BTUH					
Infrared heater		\$125 per 100,000 BTUH					

Example to calculate percent conditioned: A service bay in an automobile repair shop is only heated with a unit heater while the shop is open from 8 a.m. to 5 p.m. Monday through Friday—and not open nights and weekends. Percent conditioned would be determined as follows: 9 hrs. per day x 5 days week / 168 hrs. per week = 27%. Spec sheets are required for all unit heaters, including infrared.

Water heater (direct fired commercial) ≥ 75,000 BTUH input – gas

The water heaters must use natural gas to qualify for a heating rebate.

Efficiency requirements	Rebate	Water heater type	Efficiency in %	Manufacturer and model #	Input BTUH		Area served in sq. ft.	Quantity	Total rebate
					New	Other			
Minimum thermal efficiency of 92%	\$200/100,000 BTUH input	Tankless or Storage _____gallons	_____ %		BTUH	BTUH			

Enter the total BTUH input for other existing water heaters serving the space that are not being replaced and will remain in service.

NEW REBATES Efficient Fuel Switching (EFS) rebates. Invoices must be dated January 1, 2024, or later.

Efficient Fuel Switching rebates are available to Xcel Energy commercial customers in our gas only and combination gas and electric service territories.

If you are not an Xcel Energy gas customer, check with your gas provider to see what EFS rebates they offer. If they do not offer rebates at the same level as Xcel Energy's, and you are an Xcel Energy electric customer, you may be eligible for a rebate under Xcel Energy's "Geographic Consistency" policy.

Efficient Fuel-Switching: "Geographic Consistency," Policy: applicable to customers who may have natural gas service with another utility. Described in more detail in the segment overview, this policy is intended to ensure all Xcel Energy electric customers can receive the same overall incentive for Efficient Fuel Switching or EFS measures regardless of their heating fuel provider. Consistent with the framework established by the Energy

Conservation and Optimization Act or ECO, the incentives available to Xcel Energy natural gas customers interested in fuel-switching are provided through gas EFS funding, with net savings allocated to the gas portfolio. Electric EFS funding is used to support customer and contractor education and awareness, to encourage efficient fuel-switching of end-uses not currently met with natural gas, and to provide additional customer incentives in support of the Geographic Consistency policy. For more information, see Xcel Energy 2024-2026 filing, page -12-: <https://www.xcelenergy.com/staticfiles/xe-responsive/Company/Rates%20&%20Regulations/23-92%20-%202024-2026%20MN%20Triennial%20Plan%20062923.pdf>

Efficient Fuel Switching and Beneficial Electrification (BE) are terms that may be used interchangeably for these measures.

Efficient Fuel Switching or non-EFS (Electric only) rebate	Heat Pump Water Heater, invoices must be dated Jan. 1, 2024 or later to qualify.	Hot water rated input MBTUH	Tank storage size (Gallons)	Building Heat Type - current space heating equipment	Baseline Fuel Type - current water heating type	Square footage served by the water heater	Uniform Energy Factor of new water heater or UEF. * <i>If the UEF value is not available provide the COP in heat mode below.</i>	Draw Pattern - select one	# Units	Rebate
Yes this is this an EFS rebate	Commercial size HPWH			Electric	Electric			Very Small		
No, not EFS Electric only rebate	Residential style HPWH			Natural Gas	Natural Gas			Low		
								Medium		
								High		

"Is the Heat Pump Water Heater (HPWH) located in one of these locations? Select one,
Fast food type restaurant
Sit-down type restaurant
Other"

Construction Type
New Construction Retrofit

Other required information

Manufacturer _____

Area served in sq. ft." _____

Model # _____

*Efficient Unit COP in heat mode _____

"The Heat Pump Water Heater (HPWH) rebate:

Residential size - 20 to 50 gallons \$400/unit
Commercial size - 51 to 120 gallons \$600/unit

Dual Fuel Roof Top Unit, invoices must be dated Jan. 1, 2024 or later to qualify.	Dual Fuel Roof Top Unit (DFRTU) Size	EER	Heating efficiency (COP)	Unit size in tons	Input Capacity - input BTUH nameplate efficiency	SEER/IEER	# Units	Rebate
Yes this is this an EFS rebate	DF RTU < 5.4 tons					SEER _____		
No, not EFS Electric only rebate	DF RTU 5.4 tons - 11.3 tons					IEER _____		
	DF RTU 11.4 – 19.9 tons							
	DF RTU 20 – 63.3 tons							
	DF RTU > 63.3 tons							

Manufacturer _____

Model # _____

Non- Efficient Fuel Switching or EFS for Dual Fuel Rooftop Unit (Cooling savings, electric) rebate

= \$50/ton * Rated tons + \$3 * ((Unit SEER – Minimum qualifying SEER)/0.10) * Rated tons

Efficient Fuel Switching or EFS rebate for Dual Fuel Rooftop Unit (Heating savings, gas) rebate

= deka Therm (dTh) = Rated BTUh * Hours * (Efficiency – Baseline Efficiency)/1,000,000 kWh=Rated Tons * Hours * (12/Baseline EER – 12/EER). Rebate = dTh * \$10 - \$0.02*kWh

Ventilation

Energy recovery ventilators Heating and cooling effectiveness total must be greater than 60% to qualify for a rebate.

Rebate	\$1/CFM cooling side AND \$1/CFM heating side. Heating and cooling effectiveness total must be greater than 60% to qualify for a rebate.							
Qualification	At least 60% total cooling effectiveness At least 60% heating sensible effectiveness (must be Xcel Energy natural gas customer to qualify)							
# Units	Manufacturer	Model #	Outside air CFM	Heating Effectiveness	Cooling Effectiveness	Equipment EER	ERV pressure drop	Total rebate
Rebate = \$1 x CFM (if qualify for cooling rebate only) Rebate = \$2 x CFM (if qualify for cooling and heating rebates)								

High-volume low speed fans (HVLS) Destratification Fan

Qualification	HVLS fan size must be between 14ft. – 25ft. Sizes above or below this range may qualify for a rebate through our Custom Efficiency program.							
Quantity	Fan diameter (ft)	Area destrat (ft)*	Cost	Ceiling height (ft)	Hours per day	Check the box below if fan is run during cooling season?	Rebate calculation	Total rebate
							___ # of fans x \$2,000 =	
							___ # of fans x \$2,000 =	
							___ # of fans x \$2,000 =	

*Area Heated by the fan(s) in sq ft

VFDs for HVAC and non-HVAC systems

Application	Fan or pump type	End use	Manufacturer	Model #	HP	Facility type (see page 2 of the application)	Rebate	Quantity	Total rebate
Pump	Hot Water Pump Chilled Water Pump Industrial Other Pump								
Fan	Supply or Return HVAC Fan Cooling Tower Fan Industrial Other Fan								

Key:

End use: Enter one of the following two-letter codes:

- **DF** (Data center fan)
- **DP** (Data center pump)
- **FC** (Freezer case fan)
- **RC** (Refrigerated case fan)
- **OF** (All other fans)
- **OP** (All other pumps)

The following RPMs qualify for a VFD rebate:

- 8 pole = 900 RPM
- 6 pole = 1200 RPM
- 4 pole = 1800 RPM
- 2 pole = 3600 RPM

All other RPMs may qualify for a custom rebate.

See HVAC VFD rebate levels listed on the next page.

VFD rebates for HVAC and non-HVAC systems

Requirements for qualifying HVAC and non-HVAC VFDs

VFD rebate levels: Use the chart to determine the rebate level per VFD, which is based on VFD horsepower (HP).

If the HP value falls outside the hp chart below, round down to the next HP value and use the corresponding rebate value.

General VFD qualification requirements for VFD non-HVAC

The VFD must meet the following requirements to qualify:

- Have horsepower from 1 – 200
- Run more than 100 hours per year, and must NOT solely be used as a soft start
- Automatically vary speed to match system changes rather than by manual means
- Integrated Drives and Motor measures, full hp Electronically Commutated Motors (ECMs), and Switched Reluctance Motors are on page 19.

Rebates for VFDs	
VFD HP	Prescriptive rebate levels
1	\$400
1.5	\$400
2	\$400
3	\$400
5	\$600
7.5	\$750
10	\$1,000
15	\$1,250
20	\$1,600
25	\$2,000
30	\$2,400

VFD HP	Prescriptive rebate levels
40	\$3,000
50	\$3,500
60	\$4,000
75	\$5,000
100	\$6,000
125	\$7,000
150	\$7,000
200	\$8,000
Greater than 200	Your project may qualify for a custom rebate. See page 22 for more information.

Requirements for Prescriptive VFD Rebates

For these systems	...controlled equipment must be	...and must be in these situations.
HVAC Systems in Existing buildings	Fans, including VAVs	Retrofit or failed-VFD-replacement
	Single-Stage Centrifugal Pumps	Retrofit or failed-VFD replacement for closed-loop systems, supply for evaporative condenser and cooling tower spray or circulating pumps
HVAC Systems in new construction buildings	Fans, including VAVs	Must be ≤ 5 hp
	Single-Stage Centrifugal Pumps	Must be ≤ 5 hp
Non-HVAC systems (with the exception of water well pumps)	Centrifugal fans and centrifugal blowers	Retrofit or failed VFD
	Single-stage centrifugal pumps	Retrofit or failed VFD

- HVAC-Fan – HF
- HVAC-Pump – HP
- Non-HVAC-Fan – OF
- Non-HVAC-Pump – OP

Drives used in the following situations do not qualify for a rebate under the Xcel Energy Motor and Drive Efficiency rebate program.

- Soft start
- Power correction capabilities
- Run less than 100 hours per year

Examples of drive applications that do not qualify prescriptively, but may qualify for custom rebates include:

- VFDs placed on existing refrigeration compressors or air compressors.
- High static pressure installations such as drives on submersible pumps or any above ground pumps that operate systems with a high static dominated pressure level or poor sequencing, or that do not meet the Water Well Pump or HVAC VFD prescriptive rebate requirements.
- Non-fan, non-pump equipment such as presses, extruders, stirrers, conveyors, or vacuum pumps, process equipment or chillers.
- Positive displacement blowers or positive displacement pumps.
- Integrated VFD/Pump/Motor units.
- Multi-stage booster stations or pumps.
- A component of a larger system that does not have separate, itemized receipt/invoice for the drive. If a VFD is on a compressor and is less than 50 hp is prescriptive under the Compressed Air program.

Air-conditioning

Efficiency changes for all chiller rebates for invoices dated January 1, 2024, or later.

For chillers, VFD retrofit for chillers and DX units that require tons of cooling use name plate tons of cooling. Name plate tons of cooling is the value used for rebates.

Chiller – air cooled*

Size	Minimum qualifying efficiency		Rebate			
	Full load	Part load	Rated capacity	Full load	Part load	
<149 tons	10.4 EER	14.07 IPLV	\$7/ton	\$1.25	\$0.75	
≥150 tons	10.4 EER	14.32 IPLV				
# Units	Manufacturer	Model #	Full load tons	EER	IEER	Rebate

Total rebate = size + full load + part load
Size = \$7 x unit tons (the value used for 'tons' should be the rated capacity at AHRI 550/590 test conditions)
Full load = \$1.25 x ((unit EER – minimum qualifying EER)/.1) x unit tons
Part load = \$0.75 x ((unit IPLV – minimum qualifying IPLV)/.1) x unit tons

Chiller – centrifugal*

Click on state portal in the "learn more" section of the page.		Minimum qualifying efficiency				
All		Full load				
		Improve on MN State Energy Code by .016 kW/ton (See https://www.energycodes.gov/status/states/minnesota)				
# Units	Manufacturer	Model #	Full load tons	FLV (kW/ton)	NPLV (kW/ton)	
Entering condenser water temp	Leaving chill water temp	Leaving condenser water temp			Condenser water GPM per ton	Rebate
Total rebate = size + full load + part load Size = \$10 x unit tons (the value used for 'tons' should be the rated capacity at AHRI 550/590 test conditions) Full load = \$1 x ((minimum qualifying FLV kW/ton - unit FLV kW/ton)/.01) x unit tons Part load = \$0.75 x ((minimum qualifying NPLV kW/ton - unit NPLV kW/ton)/.01) x unit tons				Size in tons	FLV (kW/ton)	IPLV (kW/ton)
				< 150 tons	0.626	0.566
				150 - 300 tons	0.626	0.566
				301 - 400 tons	0.576	0.536
				401 - 600 tons	0.576	0.516
				> 600 tons	0.576	0.516

Chiller – screw or scroll*

Size	Minimum qualifying efficiency		Rebate			
	Full load	Part load	Rated capacity	Full load	Part load	
< 75 tons	.73 kW/ton	.58 kW/ton	\$10/ton	\$1	\$0.75	
75 – 149 tons	.70 kW/ton	.54 kW/ton				
150 – 299 tons	.64 kW/ton	.52 kW/ton				
300-599 tons	.59 kW/ton	.5 kW/ton				
≥600 tons	.54 kW/ton	.48 kW/ton				
# Units	Manufacturer	Model #	Full load tons	FLV (kW/ton)	NPLV (kW/ton)	Rebate

Total rebate = size + full load + part load
Size = \$10 x unit tons (the value used for 'tons' should be the rated capacity at AHRI 550/590 test conditions)
Full load = \$1 x ((minimum qualifying FLV kW/ton - unit FLV kW/ton)/.01) x unit tons
Part load = \$0.75 x ((minimum qualifying NPLV kW/ton - unit NPLV kW/ton)/.01) x unit tons

*See the rules and requirements section on page 3 for documentation which needs to be provided for this rebate. If the equipment is custom-built, please also refer to the custom-built efficiency standard statement on page 2.

Efficiency changes for DX unit rebates for invoices dated January 1, 2024, or later.

Minimum Rebateable Efficiencies (IEER)/EER by Equipment Type (For invoices dated between August 6, 2022, and December 31, 2023.)

	MN-RTUS < 5.42 tons	MN-RTUS – 5.42 – 11.24 tons	MN-RTUS – 11.25 – 19.99 tons	MN-RTUS – 20 – 63.33 tons	MN-RTUS – 63.34 tons and above
Min_EER_c	NA	11.3	11.1	10.9	10.9
Min_SEER_c	13	12.2	12.1	12	12

Determine Full Load based and Part Load based rebate portions using the minimum rebateable values in the table above. Qualifying units less than minimum rebateable EER have zero Full Load rebate. Qualifying units less than minimum rebateable I/SEER have zero part load rebate. All qualifying units are eligible for unit size based rebate.

Minimum Qualifying Efficiencies SEER/IEER					
EER	<5.42 tons	5.42 – 11.24 tons	11.25 – 19.9 tons	20 – 63.33 tons	> 63.34 tons
9.5	Not qualified	Not qualified	Not qualified	Not qualified	Not qualified
9.6	Not qualified	Not qualified	Not qualified	Not qualified	Not qualified
9.7	Not qualified	Not qualified	Not qualified	Not qualified	22.8
9.8	Not qualified	Not qualified	Not qualified	19.8	21
9.9	Not qualified	Not qualified	Not qualified	18.6	19.6
10	Not qualified	Not qualified	Not qualified	17.5	18.3
10.1	Not qualified	Not qualified	Not qualified	16.6	17.2
10.2	Not qualified	Not qualified	Not qualified	15.8	16.3
10.3	Not qualified	Not qualified	Not qualified	15.1	15.5
10.4	Not qualified	Not qualified	Not qualified	14.5	14.7
10.5	Not qualified	Not qualified	Not qualified	13.9	14.1
10.6	Not qualified	Not qualified	Not qualified	13.4	13.5
10.7	Not qualified	Not qualified	Not qualified	12.9	13
10.8	Not qualified	Not qualified	13.7	12.5	12.5
10.9	Not qualified	Not qualified	13.1	12	12
11	Not qualified	14.5	12.6	11.7	11.6
11.1	NA	13.6	12.1	11.3	11.3
11.2	13	12.9	11.7	11	10.9
11.3	13	12.2	11.3	10.7	10.6
11.4	13	11.7	11	10.5	10.3
11.5	13	11.2	11	10.2	10.1
11.6	13	11.2	11	10	9.8
11.7	13	11.2	11	9.9	9.6
11.8	13	11.2	11	9.9	9.6
11.9	13	11.2	11	9.9	9.6
12	13	11.2	11	9.9	9.6

DX units (Condensing, Rooftop or Split Systems – Air-Cooled only)*

Efficiency structure for inv dated Jan. 1, 2024 or later		
Unit Size	SEER2	EER2
DX Units < 5.4 tons*	13.5	11.4
Unit Size	IEER	EER
DX Units 5.4 - 11.3 tons	14.7	11.0
DX Units 11.4 - 19.9 tons	14.1	10.8
DX Units 20 - 63.3 tons	13.1	9.8
DX Units ≥ 63.3 tons	12.4	9.5

*SEER2/EER2 testing requirements only pertain to units below 5.4 tons.

Rebates for DX units < 20 tons are now only available through the online product for invoices dated May 1, 2021 or later. See the web page HVAC-R Trade Partner Driven Rebates for more information.

# Units	Manufacturer	Model #	Full load tons	EER	IEER/SEER	Rebate

REBATES FOR DX UNITS

Two step rebate eligibility process:

1. Determine equipment qualifying efficiency for EER and SEER / IEER

2. Determine your rebate for the qualifying equipment

Rebate value = \$50 x tons

Full load = \$4 x ((unit EER – minimum rebateable EER)/.1) x tons

Part load = \$3 x ((unit IEER – minimum rebateable IEER)/.1) x tons

Total rebate = size + full load + part load

INSTRUCTIONS

1. Look for the row in the EER efficiency column whose value is closest to the equipment's EER value.
2. Find the size range column that corresponds to the equipment's cooling capacity.
3. The value at the intersection of the EER and Size Range is the minimum qualifying SEER value. If the equipment's SEER value is higher than the table's SEER value, the equipment is qualified to participate. If the intersection of EER and Size Range has a "Not Qualified" value, the equipment is not qualified to participate.

Efficiency changes for Direct Expansion (DX) Air-cooled Condensing Units rebates for invoices dated January 1, 2024, or later.

Direct Expansion (DX) Air-cooled Condensing Units. This rebate is for the replacement of the refrigeration circuit only – compressor, evaporator, condenser, coils, refrigerant lines, etc. and not the entire DX unit. Invoices must be dated September 22, 2022 or later to qualify.

# of Units	Size (tons of cooling)	Manufacturer	Model #	EER	IEER/SEER	Rebate

***Qualifications**

Tons of cooling	IEER/SEER	EER
> 11.3	>14.5	> 11

*The efficiencies for the DX units (Condensing, Rooftop or Split Systems – Air-Cooled only) equipment do not apply to the Direct Expansion (DX) Air-cooled Condensing Units rebate for the refrigeration system components.

Heat pump – mini-split for cooling and heating

Rebate	Based on size and efficiency above minimum qualification							
Qualification	Minimum 16.0 SEER AND 9.0 Heating Season Performance Factor (HSPF), must be an Xcel Energy electric customer							
# Units	Manufacturer	Model #	Cooling BTUH	Heating BTUH	EER	SEER	HSPF	Rebate
Total rebate = size + efficiency Size = \$50 x tons (Cooling only) Efficiency = \$2 x (unit SEER – minimum qualifying SEER)/.1) x unit tons (tons = cooling BTUH/12,000)								

Heat pump – water source*

Rebate	Based on size and efficiency above minimum qualification					
Qualification	Minimum of 13.3 EER <i>in cooling mode @ 86°F entering condenser temperature</i> ; maximum size: 11.2 tons					
# Units	Manufacturer	Model #	BTUH	EER	Rebate	
Total rebate = size + efficiency Size = \$50 x tons Efficiency = \$4 x ((unit EER – minimum qualifying EER)/.1) x unit tons						

Mini-split heat pump cooling-only. (Invoices must be dated September 22, 2022 or later to qualify and must be an Xcel Energy electric customer.)

# Units	Manufacturer	Model #	Cooling BTUH	Minimum IEER/SEER - > 16	Equipment EER	Rebate
Rebate = size + efficiency. Size = \$20 x tons (tons = cooling BTUH/12,000). Efficiency = \$1 x ((Unit SEER – minimum qualifying SEER)/.1) x unit tons. Minimum qualifying SEER = > 16.0 SEER						

Packaged Terminal Air Conditioner (PTAC)*

Size	Minimum qualifying efficiency	Rebate			
		Base	Efficiency		
< 7,000 BTUH	12.1 EER	\$35/ton	\$4		
7,000 – 15,000 BTUH	14.2 EER - (.300 x BTUH/1,000)				
> 15,000 BTUH	9.7 EER				
# Units	Manufacturer	Model #	BTUH	EER	Rebate
Total rebate = size + efficiency Size = \$35 x tons (tons = BTUH/12,000) Efficiency = \$4 x ((unit EER - minimum qualifying EER)/.1) x unit tons					

VFD retrofit for chillers

Rebate	Based on size and efficiency above minimum qualification							
# Units	Manufacturer	Model #	Chiller ton	Previous IPLV (kW/ton)	Post IPLV (kW/ton)	Chiller Full Load efficiency (FLV)	Chiller w/VFD FLV	Total rebate
Rebate = \$1.50 x ((previous IPLV kW/ton – post IPLV kW/ton)/0.01) x chiller tons								

*See the rules and requirements section on page 3 for documentation which needs to be provided for this rebate. If the equipment is custom-built, please also refer to the custom-built efficiency standard statement on page 2.

Refrigeration rebates

For each refrigeration rebate you are applying for below, please include a copy of the manufacturer’s specification sheet which references the model number of the equipment you have installed.

Anti-sweat heater controls – cooler and freezer

- Install equipment that senses the relative humidity in the air outside of the display case and reduces or turns off the glass and frame anti-sweat heaters at low humidity.
- Equipment must control heaters on frame and door, and must be installed on standard energy doors.

# of Doors	Manufacturer	Model #	Case temp	Rebate calculation	Rebate
			Freezer Cooler	____ # Doors x \$60 =	

Close the case – coolers and freezers

- Install no-heat doors on existing open multideck cooler and freezer cases.
- Projects where heated doors are added do not qualify, but might be eligible for Custom rebate.

# Linear feet	Manufacturer	Model #	Case type	Case temp.	Rebate calculation	Rebate
			Cooler		____ # Linear feet x \$50 =	
			Freezer		____ # Linear feet x \$75 =	

Defrost controls for walk-in freezers

Equipment that controls are being installed on must have electric defrost coils and must be in a walk-in freezer with a space temperature of less than 32°F. The defrost controls must control based on demand, defrosting the coils only as needed. Wattage for the rebate application is of just the defrost coil wattage connected to the controls. Must be between 500 and 20,000 watts to be eligible for a rebate.

Measure Description	Manufacturer	Model #	Defrost Coil Wattage	Rebate	Quantity	Total rebate
Controls that only operate defrost when needed in a walk-in freezer — defrost heater wattage				\$130/1,000 watts		
				\$130/1,000 watts		
				\$130/1,000 watts		

Electronically commutated motor – display case

# Doors	Manufacturer	Model #	Case temp	Rebate calculation	Rebate
			Freezer Cooler	____ # ECMs x \$40 =	

Electronically commutated motor – walk in

# ECMs	Manufacturer	Model #	Case temp	Fan size	Rebate calculation	Rebate
			Freezer Cooler	Less than 15" More than 15"	____ # ECMs x \$70 =	

Evaporative fan controls

- Enter quantity of individual evaporator fan motors controlled, not the number of controllers installed.
- Verify that controls have been properly installed to avoid hot spots within the walk-in coolers and freezers.

Manufacturer	Model #	Low-temp walk-in	Medium-temp walk-in	Rebate	Quantity	Total rebate
				\$35/motor controller		
				\$35/motor controller		

Floating head pressure controls

Floating head pressure controls must be added onto a multiple compressor rack system in a grocery store or supermarket to be eligible for this rebate. Tons are defined as the total design tons of connected evaporator load. Low temperature is defined as freezer spaces less than 32°F, while medium temperature is cooler space greater than 32°F. Controls installed must use electronic sensors and reduce minimum condensing temperature to lower than a fixed setting. Must have a total of at least 15 tons and no more than 150 tons of low temperature or 300 tons of medium temperature load.

Measure Description	Medium temp tons	Low temp tons	Rebate \$ per Ton	Rebate for med ton	Rebate for low ton	Total rebate
Low Temp Rack			\$50/Low ton			
Med Temp Rack			\$25/Medium ton			

How to calculate the rebate:
 Multiply the medium tons of refrigeration by \$50/ton
 Multiply the low tons of refrigeration by \$25/ton
 Add both the value of the low and medium tons together for the rebate total

LEDs for refrigerated cases for 5' or 6' doors. For invoices dated January 1, 2024, or later there are no longer different rebates for DLC and non-DLC equipment.

Rebates are based on replacement of T12 or T8 linear 5- to 6-foot fluorescent refrigerated case door lighting with new 5- to 6-foot LED refrigerated case door strip lighting. Non-DLC products must meet the DLC product eligibility category definition "Vertical Refrigerated Case Luminaires." Category covers only complete luminaires, with all necessary components. Rebates are per door, not per lamp. Linear LED tube lights do not qualify for this rebate. Rebates are per door.

HVAC type	Lighting replacement	Quantity of doors*	Lighting Database**	Total rebate
Cooler case	T8 T12		DLC – \$45/door	
Freezer case	T8 T12		DLC – \$45/door	

*The quantities of existing and replacement equipment must match in order to qualify for a rebate.
 **To qualify for a rebate, LED products must either be found on or comparable to the Design Lights Consortium's (DLC) Qualified Product list. The DLC QPL is available at designlights.org/QPL. The DLC establishes specifications for high-efficiency, high-quality commercial lighting solutions and maintains listings of qualified products.

Medium-temp enclosed reach-in case

- This rebate is only available for new cases; refurbished cases are not eligible for this incentive.
- New efficient cases must include no-heat doors, LED lighting, and ECMs to be eligible.

# Cases	Manufacturer	Model #	Rebate calculation	Total Rebate
			Rebate is \$70/linear foot of case.	

No-heat Case Doors [Cooler (>32 F) Freezer (< 32F)]

- Incentive for upgrading standard energy reach-in case doors to no-heat doors.
- Doors for self-contained refrigerated cases are not eligible.
- Low-heat doors may be eligible as a custom incentive.

Equipment type	# Doors	Manufacturer	Model #	Rebate calculation	Rebate
Cooler				_____ # of doors x \$100	
Freezer				_____ # of doors x \$150	

Permanent magnet synchronous motors (PMSM) – Cases and walk-ins. Invoices for Walk-in Coolers must be dated January 1, 2024, or later.

# of Motors	Manufacturer	Model #	PMSM motor type	Rebate calculation
			Walk-in Cooler Walk-in Freezer	_____ # of motors x \$70
			Walk-in Cooler Walk-in Freezer	_____ # of motors x \$70
			Display Case Cooler Display Case Freezer	_____ # of motors x \$40
			Display Case Cooler Display Case Freezer	_____ # of motors x \$40

Other related equipment

Data Centers are not eligible for a rebate for the Fractional HP ECM fans and Fractional HP ECM pumps.

Fractional horsepower (HP) ECM pumps

Equipment	End use	Manufacturer	Model #	HP	ECM Wattage	Rebate	Quantity	Total rebate
Fractional HP circulator ECM pumps								

Measure Description	Rebate Amount (\$)	Measure Description	Rebate Amount (\$)
Pumps that are less than 0.5 HP.	\$50	Pumps that are greater than or equal to 0.5 up to 0.99 HP.	\$100

Fractional hp ECM Pump end uses:

- **DHW** (Domestic Hot Water)
- **HWC** (Heating Water Circulator)
- **CWC** (Cooling Water Circulator)

Fractional (HP) ECM HVAC fans.

Equipment	Facility type (see description on page 2)	Manufacturer	Model #	HP	ECM Wattage	Rebate	Quantity	Total rebate
Fractional HP circulator ECM fan								

Measure Description	Rebate Amount (\$)	Measure Description	Rebate Amount (\$)
Fans that are less than 0.5 HP.	\$50	Fans that are greater than or equal to 0.5 up to 0.99 HP.	\$100

Motors

Motor technology	End use	Manufacturer	Enclosure	RPM	Model #	Efficiency at full load	HP	Qty	Rebate per motor	Total rebate

Switched Reluctance Motors (SRM) or Electronically Commutated Motors (ECM) Invoices must be dated September 22, 2022 or later.

Motor type	Fan or pump type	Facility type	Manufacturer	Model #	HP	ECM Efficiency	Rebate	Quantity	Total rebate
	Hot Water Pump Chilled Water Pump Other Pump								
	Supply or Return HVAC Fan Cooling Tower Fan Other Fan								

*No efficiency requirements for switched reluctance motors. When replacing an existing motor, customers must scrap the previous motor themselves or have it scrapped by their installer. By signing the application, you are acknowledging that the motor has been scrapped.

Electronically Commutated Motors

HP	ECM Efficiency > to these efficiencies	Rebates	Switched Reluctance Motors Rebates
1	84.1%	\$415	\$415
1.5	86.1%	\$415	\$415
2	86.4%	\$415	\$415
3	88.9%	\$420	\$420
5	89.2%	\$650	\$620

Electronically Commutated Motors

HP	ECM Efficiency > to these efficiencies	Rebates	Switched Reluctance Motors Rebates
7.5	90.9%	\$780	\$780
10	91.4%	\$1,035	\$1,035
15			\$1,295
20			\$1,660

Business Solutions Center 855-839-8862

Minnesota

NEMA upgrade motor rebates are available for replacing an operating or functioning inefficient induction motor with an induction motor which **meets** the Department of Energy (DOE) efficiency standards for motors.

Motor technologies

- Induction
- PMAC
- Switched reluctance
- BLDC - brushless DC motor or ECM – electronically commutated motor
- Other

The following RPMs qualify for a VFD rebate:

- 8 pole = 900 RPM
 - 6 pole = 1200 RPM
 - 4 pole = 1800 RPM
 - 2 pole = 3600 RPM
- All other RPMs may qualify for a custom rebate.

Rebate levels for NEMA motors.

Note: If you are replacing a working motor, you must replace it with a qualifying AC motor of the same or smaller size to qualify for the upgrade motor rebate. If your replacement motor is larger, the rebate offer will revert to the motor efficiency and rebate schedule.

Upgrade motors must meet or exceed the efficiency levels of NEMA to qualify for a rebate.

Example:

A NEMA upgrade motor 7.5 hp, TEFC 1800 rpm motor with: 91.7 efficiency qualifies for a NEMA upgrade rebate of \$225

NEMA Motor rebate table

Upgrade Motor Table									
HP	ODP				TEFC				Upgrade Motor Rebate
	900	1200	1800	3600	900	1200	1800	3600	
1	75.5%	82.5%	85.5%	77.0%	75.5%	82.5%	85.5%	77.0%	\$100.00
1.5	77.0%	86.5%	86.5%	84.0%	78.5%	87.5%	86.5%	84.0%	\$100.00
2	86.5%	87.5%	86.5%	85.5%	84.0%	88.5%	86.5%	85.5%	\$100.00
3	87.5%	88.5%	89.5%	85.5%	85.5%	89.5%	89.5%	86.5%	\$113.00
5	88.5%	89.5%	89.5%	86.5%	86.5%	89.5%	89.5%	88.5%	\$150.00
7.5	89.5%	90.2%	91.0%	88.5%	86.5%	91.0%	91.7%	89.5%	\$225.00
10	90.2%	91.7%	91.7%	89.5%	89.5%	91.0%	91.7%	90.2%	\$250.00
15	90.2%	91.7%	93.0%	90.2%	89.5%	91.7%	92.4%	91.0%	\$375.00
20	91.0%	92.4%	93.0%	91.0%	90.2%	91.7%	93.0%	91.0%	\$425.00
25	91.0%	93.0%	93.6%	91.7%	90.2%	93.0%	93.6%	91.7%	\$500.00
30	91.7%	93.6%	94.1%	91.7%	91.7%	93.0%	93.6%	91.7%	\$500.00
40	91.7%	94.1%	94.1%	92.4%	91.7%	94.1%	94.1%	92.4%	\$600.00
50	92.4%	94.1%	94.5%	93.0%	92.4%	94.1%	94.5%	93.0%	\$750.00
60	93.0%	94.5%	95.0%	93.6%	92.4%	94.5%	95.0%	93.6%	\$900.00
75	94.1%	94.5%	95.0%	93.6%	93.6%	94.5%	95.4%	93.6%	\$1,125.00
100	94.1%	95.0%	95.4%	93.6%	93.6%	95.0%	95.4%	94.1%	\$1,500.00
125	94.1%	95.0%	95.4%	94.1%	94.1%	95.0%	95.4%	95.0%	\$1,875.00
150	94.1%	95.4%	95.8%	94.1%	94.1%	95.8%	95.8%	95.0%	\$2,250.00
200	94.1%	95.4%	95.8%	95.0%	94.5%	95.8%	96.2%	95.4%	\$2,500.00
250	95.0%	95.5%	95.8%	95.0%	95.0%	95.8%	96.2%	95.8%	\$3,125.00
300	95.0%	95.5%	95.8%	95.4%	95.0%	95.8%	96.2%	95.8%	\$3,125.00
350	95.0%	95.5%	95.8%	95.4%	95.0%	95.8%	96.2%	95.8%	\$3,125.00
400	95.1%	95.9%	95.8%	95.8%	95.0%	95.8%	96.2%	95.8%	\$5,000.00
450	95.5%	96.3%	96.2%	95.9%	95.0%	95.8%	96.2%	95.8%	\$5,000.00
500	95.5%	96.3%	96.2%	95.9%	95.0%	95.8%	96.2%	95.8%	\$5,000.00

For hp sizes that fall outside the hp chart, round down to the next hp value and use the corresponding rebate value.

Nominal efficiency %: Use the nominal efficiency of a "full load" or 100% as noted by the manufacturer.

All motors must meet or exceed the efficiencies in the table below to qualify for this rebate

End use: Enter one of the following two-letter codes:

- **AC** (Air compressor)
- **DP** (Data center pump)
- **OF** (All other Fans)
- **FC** (Freezer case fans)
- **OP** (All other pumps)
- **OA** (Other applications)
- **DF** (Data center fan)
- **RC** (Refrigerated case fan)

Enclosure: **ODP** = open drip proof, **TEFC** = totally enclosed fan cooled

Use the table below to calculate the rebate amount for your project.

Xcel Energy's Enhanced Upgrade									
HP	ODP				TEFC				Upgrade Motor Rebate
	900	1200	1800	3600	900	1200	1800	3600	
1	76.5%	83.5%	86.5%	78.0%	76.5%	83.5%	86.5%	78.0%	\$15.00
1.5	78.0%	87.5%	87.5%	85.0%	79.5%	88.5%	87.5%	85.0%	\$15.00
2	87.5%	88.5%	87.5%	86.5%	85.0%	89.5%	87.5%	86.5%	\$15.00
3	88.5%	89.5%	90.5%	86.5%	86.5%	90.5%	90.5%	87.5%	\$20.00
5	89.5%	90.5%	90.5%	87.5%	87.5%	90.5%	90.5%	89.5%	\$20.00
7.5	90.5%	91.2%	92.0%	89.5%	87.5%	92.0%	92.7%	90.5%	\$30.00
10	91.2%	92.7%	92.7%	90.5%	90.5%	92.0%	92.7%	91.2%	\$35.00
15	91.2%	92.7%	94.0%	91.2%	90.5%	92.7%	93.4%	92.0%	\$45.00
20	92.0%	93.4%	94.0%	92.0%	91.2%	92.7%	94.0%	92.0%	\$60.00
25	92.0%	94.0%	94.6%	92.7%	91.2%	94.0%	94.6%	92.7%	\$75.00
30	92.7%	94.6%	95.1%	92.7%	92.7%	94.0%	94.6%	92.7%	\$90.00
40	92.7%	95.1%	95.1%	93.4%	92.7%	95.1%	95.1%	93.4%	\$110.00
50	93.4%	95.1%	95.5%	94.0%	93.4%	95.1%	95.5%	94.0%	\$137.50
60	94.0%	95.5%	96.0%	94.6%	93.4%	95.5%	96.0%	94.6%	\$160.00
75	95.1%	95.5%	96.0%	94.6%	94.6%	95.5%	96.4%	94.6%	\$187.50
100	95.1%	96.0%	96.4%	94.6%	94.6%	96.0%	96.4%	95.1%	\$250.00
125	95.1%	96.0%	96.4%	95.1%	95.1%	96.0%	96.4%	96.0%	\$312.50
150	95.1%	96.4%	96.8%	95.1%	95.1%	96.8%	96.8%	96.0%	\$375.00
200	95.1%	96.4%	96.8%	96.0%	95.5%	96.8%	97.2%	96.4%	\$450.00
250	96.0%	96.5%	96.8%	96.0%	96.0%	96.8%	97.2%	96.8%	\$562.50
300	96.0%	96.5%	96.8%	96.4%	96.0%	96.8%	97.2%	96.8%	\$675.00
350	96.0%	96.5%	96.8%	96.4%	96.0%	96.8%	97.2%	96.8%	\$787.50
400	96.1%	96.9%	96.8%	96.8%	96.0%	96.8%	97.2%	96.8%	\$900.00
450	96.5%	97.3%	97.2%	96.9%	96.0%	96.8%	97.2%	96.8%	\$1,012.50
500	96.5%	97.3%	97.2%	96.9%	96.0%	96.8%	97.2%	96.8%	\$1,125.00

Water well pump (VFD) Rebates for water well pump VFDs end on December 31, 2024. The 24-month invoice time frame does not apply to this rebate.

VFD HP	Pump Rated HP	Manufacturer	Model	Design Flow (GPM)	Design Head (ft)	Well Depth (ft)	Max Well Depth at design flow (ft)	Average Flow Rate (GPM)	Rebate	Quantity	Total rebate

For hp sizes that fall outside the hp chart below, round down to the next hp value and use the corresponding rebate value.

Key:

Water well pump design flow: The design flow rate (GPM) for a water well pump

Water well pump design head: The design pressure head (ft) for a water well, or feet of head

Static water level: The average well depth (ft) for a water well pump

Maximum pumping water level: The maximum well depth (ft) for a water well pump

Average pump flow: The time weighted average flow rate (GPM) for a water well pump

Motor application: Pump

GPM: Gallons per minute • **ft:** Feet

Qualifying RPMs

- 900
- 1200
- 1800
- 3600

All other RPMs may qualify for a custom rebate.

VFD water well pump rebates	
VFD HP	Drives Tiered HP rebate value
1	\$100
1.5	\$100
2	\$100
3	\$100
5	\$150
7.5	\$150
10	\$225

VFD HP	Drives Tiered HP rebate value
15	\$350
20	\$450
25	\$550
30	\$663
40	\$825
50	\$1,000
60	\$1,225

VFD HP	Drives Tiered HP rebate value
75	\$1,475
100	\$1,700
125	\$1,925
150	\$2,125
200	\$2,375
Larger than 200 HP	*Drives on equipment other than centrifugal fans and pumps, or equipment larger than 200 hp may be eligible for a rebate through our Custom Efficiency program. See page 22 for more information.

Additional water well pump VFDs qualifications:

- The water well pump VFD must be installed on a single stage or multi-stage centrifugal pump from 1 hp to 200 hp; and installed on previously throttled pumps or retrofit and replacing failed VFDs that were previously on throttled pumps

Controlled equipment must meet the following criteria:

- Existing throttling control
- 20% minimum flow variation
- Will operate at less than 100% speed during summer peak hours
- Not used as a back-up

Custom efficiency rebates

Our Custom Efficiency program offers rebates for unique energy-saving equipment and process improvements. If your HVAC or refrigeration project does not qualify for one of the standard prescriptive rebates listed in this application, it may be eligible for a custom rebate. Custom rebates require application submittal before equipment order, purchase, or installation. Visit xcelenergy.com/CustomEfficiency to learn more.

Types of HVAC-R projects which may qualify for custom rebates include:

Heating systems

- Commercial boilers systems larger than 10,000,000 BTUH
- Industrial steam traps Pressure > 301 psig
- Pipe insulation which does not meet prescriptive rebate criteria

Ventilation

- Energy-saving HVAC, non-HVAC and water well pump VFDs which do not meet the prescriptive rebate criteria, and have horsepower greater than 200
- RPMs which fall outside the prescriptive rebate requirements may qualify for a custom rebate

Air-Conditioning

- Any energy-saving equipment which does not meet the prescriptive rebate criteria

Refrigeration

- Industrial refrigeration systems

Other related equipment

- Motors with horsepower 500 or greater

As of October 17, 2022, the bundling of custom projects is now available under the MN HVAC-R program. Talk with your account manager or an energy efficiency specialist to determine program requirements. Projects bundled under this new policy must pass all the custom tests and the payback criteria to qualify for a rebate.

Business Solutions contact information

Phone: 855-839-8862 or email EnergyEfficiency@xcelenergy.com

Refrigeration Recommissioning

See the application on Commercial Refrigeration page.