OID: _____ Internal use only

Prescriptive Program Rebate Application

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

Customer information							
Xcel Energy premises numbers: Electric:		and/or Gas:					
Company name	Date submitted						
Installation address	City		State	ZIP			
Mailing address	City		State	ZIP			
Contact name (PRINT)		Phone					
Contact email*		Fax					
Equipment location description (required)							
The total project cost: \$(Acceptable expenses include equipment and labor an	d do not include tax, freight o	r shipping costs.)					
Customer signature				and complete. I confirm I have			
read, agree with and understand the terms and conditions on page 2 of this application vendor so as to expedite the project process.	. I also authorize Xcel Energy	to provide a copy of the project p	oreapproval notification	i to the equipment supplier or			
Alternative rebate recipient							
Complete this section only if the customer wants the rebate chec	k to go to someone ot:	her than the customer co	ontact tied to the	premises number above.			
Company name	Contact n	ame					
Address	Phone _						
City	State		ZIP				
I authorize the above company to receive the rebate check for this pr	oject.						
Customer signature			Date				
Xcel Energy account representative name Landlords and owners may sign for and receive rebates for qualifying equipment they p need to authorize the rebate. Contact the Business Solutions Center at 855-839-8862 f	urchase as long as they are li						
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*							
Installation trade partner company name							
Contact name (PRINT)		Equipment installer	Distributor				
Address			State	ZIP			
Contact email*							

*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 rise- (> 250,000 sq. ft., > 8 stories)
Education – primary/Elementary school	Office-low rise- (< 25,000 sq. ft., 1 – 2 stories)
Education -secondary school/Middle school, high school	Office-mid rise-(25,000 - 250,000 sq. ft., 3 - 8 stories)
Fast food restaurant/Restaurant/casual/bar-and-grill-type facility	Other
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 and VFD installations only)	Warehouse/distribution center

For water well pump VFDs only:

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

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).
- 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.
- 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:
 - For qualifying motors and variable frequency drives projects, 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:

- If your equipment invoice is dated prior to February 6, 2020, you have 12 months from the date of purchase to submit your rebate application.
- If your equipment invoice is dated on or after February 6, 2020, you have 24 months from the date of purchase to submit your rebate application.
- Xcel Energy is not responsible for any lost, late, stolen, ineligible, illegible, misdirected or postage-due mail.
- All completed submissions become the property of Xcel Energy upon receipt and will not be returned.
- Xcel Energy will issue a rebate in the form of a check.
- 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.

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.

Application

Minnesota

HVAC-R Rebate Index

Heating systems Print heating systems (pages 5–8)

Aerators and sprayers

- Sink aerator restroom (electric water heating)
- 븆 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 0)
- 👌 Boilers: Hot water (new), Hot water (replacement), Steam
- \ge Boiler add-ons: Linkageless controls, Modular burners \ge 5:1 turndown ratio, Outdoor air reset controls,
- O₂ trim control, Stack dampers, Turbulators
- ler tune-ups
- 븆 Electronically commutated motor (ECMs) for furnace fan
- Furnaces (commercial)
- Pipe insulation
- Steam trap repair or replacement
- Unit heaters
- Water heaters (direct fired, commercial)

Ventilation Print ventilation (pages 9–10)

- Energy Recovery Ventilators
- High-volume low speed fans
- Rooftop units (RTU) economizer & demand-controlled ventilation (DCV)
- ♥ Variable frequency drives (VFDs) for HVAC and non-HVAC systems

Air-conditioning Print air-conditioning (pages 11–12)

- 🕴 Chillers air-cooled
- 🕴 Chillers centrifugal
- 🕴 Chillers screw/scroll
- UX units: condensing units, rooftop, split systems
- 븆 Heat pumps mini split
- ♥ Heat pumps water source
- 🕴 PTACs
- Ⴤ VFD retrofit for chiller (for air- or water-cooled chillers)

Refrigeration improvements Print refrigeration improvements (page 13-15)

- Anti-Sweat Heater Controls low and medium temp
- 븆 Close the case coolers and freezers
- Uefrost controls for walk-in freezers
- 🕴 EC Motors display cases
- 븆 EC Motors walk-in
- Evaporative motor fan controller (EMFC) (coolers and freezers)
- Floating head pressure controls
- 🕴 LEDs for refrigerated cases
- Ⴤ Medium-temp enclosed reach-in cases
- Wo-heat case doors (coolers and freezers)
- 🕴 Permanent magnet synchronous motors (PMSM) Iow and medium temp display cases

Other related equipment Print other related equipment (pages 16-18)

- Fractional HP ECM pumps and HP ECM HVAC fans
- 🕴 Motors
- Water well pump VFDs

Custom efficiency rebates Print custom efficiency improvements (page 19)

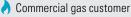
If your energy-saving HVAC project does not qualify for one of the prescriptive rebates listed in this application, it could qualify for a rebate through our Custom Efficiency program. See details and types of HVAC projects which may qualify. Custom rebates require application submittal before equipment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

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Eligiblity:

Depending on the rebate you are applying for, you must be 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



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;
- Only 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 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

Invoices for qualifying aerators and sprayers equipment must be dated on or after January 1, 2021.

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

Boilers										
Boiler type	Minimum requirements (For invoices dated before July 17, 2020)	Minimum requirements (For invoices dated on or after July 17, 2020)	Rebate calculations	Use	Manufacturer	Model #	Boiler size in million BTUH1	Efficiency	Quantity	Total rebate
Replacement hot water boiler	92% efficient	≥ 88% efficient*	\$7,000/ million BTUH	Space						
New hot	85% efficient	85% efficient (no change)	\$800/ million BTUH	heating Domestic hot water						
water boiler	92% efficient	≥88% efficient*	\$3,500/ million BTUH	Both— space heating						
Steam boilers	81% efficient	81% efficient (no change)	\$500/ million BTUH	and domestic hot water						

*Boiler efficiency changes for condensing boilers. Invoices must be dated July 17, 2020 or later to qualify. 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.

Full load efficiency requirements								
Boiler type	New boiler size	Unit of measurement						
Steam or hot water	< 300,000 BTU/h	AFUE						
Steam or hot water	\geq 300,000 BTU/h and \leq 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.)						

Boiler rebates

The following rebates are available for heating systems smaller than 10,000,000 BTUH input AND at least 70 percent of the load dedicated to space heating and/or domestic hot water heating. Systems larger than 10,000,000 BTUH or greater than 30 percent process load should apply for rebates through the Custom Efficiency program, which require preapproval prior to purchase and installation.

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.

Minnesota

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

Product	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	n ratio BTUH \$7,000		Space heating Domestic hot water Both	%				
Outdoor air reset controls			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

*Invoices for qualifying equipment must be dated on or after January 1, 2021.

)	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 # Manufacturer Age Model #	Space heating Domestic hot water Both Post efficiency percentage %				Condensing Non-condensing	

Check safety controls

Clean and inspect burner nozzles and combustion chamber

Complete visual inspection of system piping and insulation

Clean heat exchange surface when weather or operating schedule permits

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

Acceptable forms of of documentation include:

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

Electronically commutated motor (ECMs) for furnace fan

Must be an electric only or a combination electric and gas customer to qualify for the ECM rebate. Gas only service customers do not qualify for ECM rebates. Horsepower range for ECMs 0.5 to 2.0 hp. The rebates for this measure ended on December 31, 2020. Invoices dated in 2020 will be honored through December 31, 2021.

Details	Rebate	S	itatus	Existin	g cooling	Horsepower for motor	Quantity	Total rebate
EC fan motor commercial furnace	\$100	New	Retrofit	Yes	No			

Furnaces (Commercial) (See documentation requirements on page 3.)

0	a naces (voniner clar) (see documentation requirements on page 3.)							
	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

		_						
	Average fluid temp: 105°F – Conductivity 0.21 – 0.29 BTU In		Average fluid temp: 201°F – Conductivity 0.27 – 0.30 BTU In		Average fluid temp: 251°F – 350°F Conductivity 0.29 – 0.32 BTU In / (H ft2 °F)			
Pipe diameter	Minimum insulation thickness	Rebate \$/ft	e \$/ft Minimum insulation thickness Rebate \$/ft Minimur		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		

(cont.)

Minnesota

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 = pip	be diameter inch	es x linear feet x	rebate amount		· · · · · ·			t	•

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.

Steam traps repair or replacement

·	oteam traps repair	orreplacement					
	Rebate	Boiler use	Steam trap pressure	Process load %	Boiler size in million BTUH	# of traps	Total rebate
	\$30 per trap repaired or replaced annually	Space heating Domestic hot water Both	High Low				

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 annually

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 trap projects with 70 percent domestic hot water heat and space heat combined can qualify for a prescriptive rebate listed above. Steam trap projects that have 30 percent or more process load may qualify for a rebate through our Custom Efficiency program.

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.

The Mater Heate		guo to quanti fior a no	ating robato.						
Efficiency	Rebate	Water heater type	Efficiency	Manufacturer and	Input	втин	Area served	Quantity	Total
requirements	nevale	water neater type	in %	model #	New	Other	in sq. ft.	Quantity	rebate
Minimum		Tankless							
thermal	\$200/100,000	or	%		втин	втин			
efficiency of 92%	BTUH input	Storage	/0		DIGH	DIGIT			
01 52 /0		gallons							

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

Ventilation

Energy recovery ventilators (See documentation requirements on page 3.)

Rebate	\$1/CFM cooling sid	le AND \$1/CFM h	eating side						
Qualification	At least 60% total cooling effectiveness At least 60% heating sensible effectiveness (must be Xcel Energy natural gas customer to qualify)								
# Units	Manufacturer	anufacturer Model # Outside air CFM Heating Effectiveness							
Rebate = \$1 x CFM (if qua									

Rebate = \$2 x CFM (if qualify for cooling and heating rebates)

High-volume low speed fans (HVLS) Destratification Fan (For invoices dated on or after March 1, 2020) 0

Qualificat	tion	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

Rooftop unit economizer and demand-controlled ventilation (DCV)

Rebate	\$20/ton of RTU cooling capa	acity						
Qualification	ventilation on a unit which h	as a dedicated outdoor air	rols required for rebate. The sy intake or used in conjunction with zer is being installed. The unit mu	a group of uni	ts which sha	are a common	outdoor air	intake with
# Units	Manufacturer	Model #	The rated capacity	Documentation is included which shows the Economizer has:				Total
				Enthalpy	control	CO ₂ cont	trolled	rebate
				Yes	No	Yes	No	
Rebate \$20 x RTU t		J		l.		1		1

Please note: For qualifying equipment invoices dated Jan 1, 2021 or later, rebates for this measure will be offered through the Efficiency Controls program.

VFDs for HV	AC 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 Other Pump								
Fan	Supply or Return HVAC Fan Cooling Tower Fan Other Fan								

Key:

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

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

The following RPMs qualify for a VFD rebate:

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

All other RPMs may qualify for a custom rebate.

See HVAC VFD rebate levels listed on the next page.

• FC (Freezer case fan)

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
- Be a single stage axial or centrifugal fan, blower, or pump
- 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

Modifying/retrofitting existing equipment qualifying scenarios:

- New VFD installation
- Replacing a failed VFD

New equipment/new construction non-qualifying scenarios:

- New VFD installation
- Replacing a failed VFD
- VFDs installed where not required by code. For HVAC pumps and fans:
- Axial or centrifugal fans or blowers less than or equal to 5 hp
- $-\operatorname{Single}$ stage centrifugal pumps less than or equal to 5 hp

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

Soft start

Page 10 of 19

- 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.

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

Drive 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 19 for more information.

Air-conditioning

Size	M	linimum qualifying efficie	ency	Rebate			
Size	Full lo	ad	Part load	Rated capacity	Full load	Part load	
<149 tons	9.71 E	9.71 EER		\$7/ton	\$1.25	\$0.75	
≥150 tons	9.71 E	ER	14.32 IPLV	\$7/1011	\$1.25	φU.75	
# Units	Manufacturer	Model #	Full load tons	EER	IEER	Rebate	
Total robate - size (full load is part load		1	1	I	<u> </u>	

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

Size	IV	linimum qualifying efficie		Rebate		
3126	Full lo	ad	Part load	Rated capacity	Full load	Part load
All		NMN State Energy Code by v.energycodes.gov/adoptior	\$10/ton	\$1	\$0.75	
# Units	Manufacturer	Model #	Full load tons	FLV (kW/ton)	NPLV (kW/ton)	Rebate

Part load = \$0.75 x ((minimum qualifying NPLV kW/ton - unit NPLV kW/ton)/.01) x unit tons

Chillor screw or scroll*

Sine	М	inimum qualifying efficie	ncy		Rebate			
Size	Full loa	ad	Part load	Rated capacity	Full load	Part loa		
< 75 tons	.74 kW/ton		.59 kW/ton	\$10/ton	\$1	\$0.75		
75 – 149 tons			.57 kW/ton					
150 – 299 tons			.53 kW/ton					
≥300 tons	.57 kW/	ton	.49 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.

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

Rebates for DX units < 20 tons are now only available through the online product for invoices dated May 1, 2021 or later.

Size	Mi	nimum qualifying efficie	ency		Rebate			
Size	Full loa	ıd	Part load	Rated capacity	Full load	Part load		
< 5.4 tons	not requi	red	13.7 SEER			\$3		
5.4 – 11.3 tons	11.3 EE	R	12.2 IEER	\$50/ton	¢.4			
11.4 – 19.9 tons	11.1 EE	R	12.1 IEER	\$50/ton	\$4			
>20.0 tons	10.9 EE	R	12.0 IEER					
# Units Manufacturer		Model #	Full load tons	EER	IEER/SEER	Rebate		

Total rebate = size + full load + part load

Size = \$50 x tons

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

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

Heat pump –	eat pump – mini-split*									
Rebate										
Qualification										
# Units	Manufacturer	Model #	Cooling BTUH	Heating BTUH	EER	SEER	HSPF	Rebate		
	ons (Cooling only)	n qualifying SEER)/.1) >	unit tons (tons = cooling B	TUH/12,000)						

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

Packaged Terminal A	ackaged Terminal Air Conditioner (PTAC)*									
Size				Rebate)					
5120		Minimum qualifying efficiency								
< 7,000 BTUH	12.1 EER									
7,000 – 15,000 BTUH	14.2 EER - (.300 x BTUH/1,000)	14.2 EER - (.300 x BTUH/1,000)			\$4					
> 15,000 BTUH	9.7 EER									
# Units	Manufacturer	Model #	BTUH	EER	Rebate					
Total rebate = size + effic	ciency									

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 Previous Post Total # Units Model # **Chiller** ton Manufacturer IPLV (kW/ton) IPLV (kW/ton) 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.

Minnesota

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 co	ntrols – low and medium ten	np				
	 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 						
ļ	Equipment must conti		ind must be installed on standard energy dot	JIS.			
	# of Doors	# of Doors Manufacturer Model # Case temp Rebate calculation					
				nergy doors.			

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. Invoices for qualifying equipment must be dated on or after January 1, 2021.

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

¥	Electronically commutated motor – display case # Doors Manufacturer Model # Case temp Rebate calculation Rebate					
	# 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. Invoices for qualifying equipment must be dated on or after January 1, 2021.

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

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 Non-DLC — \$33.75/door	
Freezer case	T8 T12		DLC — \$45/door Non-DLC — \$33.75/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.

Minnesota

Medium-temp enclosed reach-in case (For invoices dated on or after March 1, 2020.)

- 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) - low and medium temp display cases (For invoices dated on or after March 1, 2020.)										
	# Motors	Manufacturer	Case type	Model #	Rebate calculation	Total Rebate					
			Med temp Low temp		# of motors x \$40						
			Med temp Low temp		# of motors x \$40						

Other related equipment

Equipment	End use	Manufacturer		Model #	HP	ECM V	Vattage	Rebate	Quantity	Total rebate
Fractional HP circulator ECM pump										
Measure Description		Rebate Amount (\$)	Measur	re Description			Rebate	e Amount (\$)		
Pumps that are less than 0.5 HP.		\$50	Pumps th	nat are greater than or equa	al to 0.5 up to 1	.0 HP.		\$100]	
 DHW (Domestic Hot Water) HWC (Heating Water Circul CWC (Cooling Water Circula) 	ator) ator)	1			1 0001					
• HWC (Heating Water Circul	ator) ator)	. ,	ment must	t be dated on after Jan	uary 1, 2021		-CM			Total
 HWC (Heating Water Circul CWC (Cooling Water Circula) 	ator) ator) fans Invoices	e on Manufact		t be dated on after Jan Model #	uary 1, 2021. HP	E	CM attage	Rebate	Quantity	Total rebate
HWC (Heating Water Circul CWC (Cooling Water Circula Fractional (HP) ECM HVAC Equipment	ator) ator) fans Invoices Facility typ (see descriptio	e on Manufact				E	-	Rebate	Quantity	
HWC (Heating Water Circul CWC (Cooling Water Circula Fractional (HP) ECM HVAC	ator) ator) fans Invoices Facility typ (see descriptio	e on Manufact	urer			E	attage	Rebate	Quantity	

Motors

Rebates for enhanced motors and upgrade motors are now only available through the online product for invoices dated May 1, 2021 or later.

Rebates are available for enhanced motors that are installed. To be considered an enhanced motor, the motor exceed the Department of Energy (DOE) efficiency standards for motors by 1.0 efficiency point.

Efficiency standards for motors can be found in table 5 on pages 287-288 of the Department of Energy electric motors final rule as part of the Energy Conservation program: Energy Conservation Standards for Commercial and Industrial Electric Motors. A link to this document is available at xcelenergy.com/HVACR.

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.

Note: If you are replacing a working motor, you must replace it with a qualifying AC motor of the same or smaller size in order to qualify for the upgrade motor rebate. If your replacement motor is larger, the rebate offer will revert to the enhanced schedule amount listed on the next page.

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.

¥ [Enhanced motors											
	Motor technology	End use	Manufacturer	Enclosure	Model #	Efficiency at full load	HP	Qty	Rebate per motor	Total rebate		

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

Motor technology (for enhanced motors only):

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 enhanced and NEMA upgrade motors.

Rebates listed below are for qualifying equipment with invoices dated January 1, 2021 or later. If the invoice for your equipment is dated prior to this date, contact your account manager or our energy advisors at 855-839-8862 to determine the rebate level for your project.

Examples

An enhanced motor 7.5 hp, TEFC 1800 rpm motor with: _ 92.7% efficiency qualifies for an enhanced rebate of \$30

Enhanced motor efficiency table Totally enclosed fan cooled (TEFC) that exceeds the Open drip (ODP) that exceeds the Department of Energy Department of Energy (DOE) (DOE) efficiency standards for motors by 1.0 efficiency point efficiency standards for motors by 1.0 efficiency point New motor rebate ΗP 900 1200 1800 900 1200 1800 3600 3600 1 76.5% 83.5% 86.5% 78.0% 76.5% 83.5% 86.5% 78.0% \$15.00 78.0% 87.5% 87.5% 85.0% 79.5% 88.5% 87.5% 85.0% \$15.00 1.5 2 87.5% 88.5% 87.5% 86.5% 85.0% 89.5% 87.5% 86.5% \$15.00 86.5% 89.5% 90.5% 87.5% 3 88.5% 86.5% 90.5% 90.5% \$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% 95.5% 94.0% \$137.50 95.1% 60 94.0% 95.5% 96.0% 94.6% 93.4% 95.5% 96.0% 94.6% \$160.00 75 96.0% 94.6% 94.6% 96.4% 94.6% \$187.50 95.1% 95.5% 95.5% 100 95.1% 96.0% 96.4% 94.6% 94.6% 96.0% 96.4% 95.1% \$250.00 96.0% 96.4% 96.0% \$312.50 125 95.1% 95.1% 95.1% 96.0% 96.4% 95.1% 96.8% 95.1% 96.4% 96.8% 95.1% 96.8% 96.0% \$375.00 150 96.4% 96.8% 96.0% 97.2% 96.4% \$450.00 200 95.1% 95.5% 96.8% 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 97.2% 97.2% 96.8% \$1,012.50 450 96.5% 97.3% 96.9% 96.0% 96.8% 97.2% 96.0% 96.8% 97.2% 96.8% \$1,125.00 500 96.5% 97.3% 96.9%

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

	the De	partmei efficien	P)- that it of Ene cy stanc	ergy	(TEFC) Depart	- that m tment of ncy sta	ed fan o eets tho f Energy ndards	•	Motor
HP	900	1200	1800	3600	900	1200	1800	3600	rebate
1	75.5%	82.5%	85.5%	77.0%	75.5%	82.5%	85.5%	77.0%	\$100
1.5	77.0%	86.5%	86.5%	84.0%	78.5%	87.5%	86.5%	84.0%	\$100
2	86.5%	87.5%	86.5%	85.5%	84.0%	88.5%	86.5%	85.5%	\$100
3	87.5%	88.5%	89.5%	85.5%	85.5%	89.5%	89.5%	86.5%	\$112.50
5	88.5%	89.5%	89.5%	86.5%	86.5%	89.5%	89.5%	88.5%	\$150
7.5	89.5%	90.2%	91.0%	88.5%	86.5%	91.0%	91.7%	89.5%	\$225
10	90.2%	91.7%	91.7%	89.5%	89.5%	91.0%	91.7%	90.2%	\$250
15	90.2%	91.7%	93.0%	90.2%	89.5%	91.7%	92.4%	91.0%	\$375
20	91.0%	92.4%	93.0%	91.0%	90.2%	91.7%	93.0%	91.0%	\$425
25	91.0%	93.0%	93.6%	91.7%	90.2%	93.0%	93.6%	91.7%	\$500
30	91.7%	93.6%	94.1%	91.7%	91.7%	93.0%	93.6%	91.7%	\$500
40	91.7%	94.1%	94.1%	92.4%	91.7%	94.1%	94.1%	92.4%	\$600
50	92.4%	94.1%	94.5%	93.0%	92.4%	94.1%	94.5%	93.0%	\$750
60	93.0%	94.5%	95.0%	93.6%	92.4%	94.5%	95.0%	93.6%	\$900
75	94.1%	94.5%	95.0%	93.6%	93.6%	94.5%	95.4%	93.6%	\$1,125
100	94.1%	95.0%	95.4%	93.6%	93.6%	95.0%	95.4%	94.1%	\$1,500
125	94.1%	95.0%	95.4%	94.1%	94.1%	95.0%	95.4%	95.0%	\$1,875
150	94.1%	95.4%	95.8%	94.1%	94.1%	95.8%	95.8%	95.0%	\$2,250
200	94.1%	95.4%	95.8%	95.0%	94.5%	95.8%	96.2%	95.4%	\$2,500
250	95.0%	95.5%	95.8%	95.0%	95.0%	95.8%	96.2%	95.8%	\$3,125
300	95.0%	95.5%	95.8%	95.4%	95.0%	95.8%	96.2%	95.8%	\$3,125
350	95.0%	95.5%	95.8%	95.4%	95.0%	95.8%	96.2%	95.8%	\$3,125
400	95.1%	95.9%	95.8%	95.8%	95.0%	95.8%	96.2%	95.8%	\$5,000
450	95.5%	96.3%	96.2%	95.9%	95.0%	95.8%	96.2%	95.8%	\$5,000
500	95.5%	96.3%	96.2%	95.9%	95.0%	95.8%	96.2%	95.8%	\$5,000

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" or100% as noted by the manufacturer

Minnesota

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)

• **DF** (Data center fan)

- **OF** (All other Fans)
- **OP** (All other pumps)
- FC (Freezer case fans)
- mps) **OA** (Other applications)
 - **RC** (Refrigerated case fan)

• **DP** (Data center pump)

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

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

Minnesota

¥.	Vater well pump (VFD)											
	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.

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

for more information.

Not used as a back-up

VFD water wel	l pump rebates					
VFD HP	Drives Tiered HP rebate value	VFD HP	Drives Tiered HP rebate value	VFD HP	Drives Tiered HP rebate value	
1	\$200	15	\$625	75	\$2,500	
1.5	\$200	20	\$800	100	\$3,000	
2	\$200	25	\$1,000	125	\$3,500	
3	\$200	30	\$1,250	150	\$3,500	
5	\$300	40	\$1,500	200	\$4,000	
7.5	\$375	50	\$1,750		*Drives on equipment other than centrifugal	
10	\$500	60	\$2,000	Larger than 200 HP	fans and pumps, or equipment larger than 200 hp may be eligible for a rebate through our Custom Efficiency program. See page 19	

Rebate levels below will be applied to qualifying equipment with invoices dated on or after January 1, 2021. If the invoice for your equipment is dated prior to this date, contact your account manager or our energy advisors at 855-839-8862 to determine the rebate level for your project.

Minnesota

Business Solutions Center 855-839-8862

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

- Boiler systems larger than 10,000,000 BTUH or greater than 30 percent process load
- 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

