



# Cooling Efficiency

## 2017/2018 Cooling Equipment Rebate Application

For use with invoices dated on or after March 1, 2017

### Business customer information

Company legal name \_\_\_\_\_ Date submitted \_\_\_\_\_

Mailing address \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Installation address (if different) \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Contact name \_\_\_\_\_ Day phone \_\_\_\_\_

Email\* \_\_\_\_\_

\*By providing your e-mail address, you are granting Xcel Energy permission to send further e-mails regarding our programs and services.

Xcel Energy electric premises number \_\_\_\_\_

Please indicate the primary use for this location:

☐ Office ☐ Education – community college ☐ Health/medical – clinic

☐ Retail ☐ Education – secondary college ☐ Health/medical – hospital

☐ Lodging ☐ Education – university ☐ Other \_\_\_\_\_

**Equipment used for non-space conditioning must go through our Custom Efficiency program and be preapproved prior to purchase.**

I verify the information on this application is correct and request consideration for participation in this program.

**Customer authorized signature** \_\_\_\_\_ **Date** \_\_\_\_\_

Customer hereby certifies that: 1. the customer, and not Xcel Energy, is solely responsible for the accuracy of the information entered in this application; 2. all installation will be complete and operational prior to submitting rebate; and 3. all rules and requirements of this Xcel Energy program as noted below have been followed. Further, the customer acknowledges that participation in this rebate program shall impose no liability on Xcel Energy. In particular, Xcel Energy shall not be liable for the work performed by the customer's engineer, contractor or other vendor.

**Xcel Energy account manager** \_\_\_\_\_

### Alternate rebate recipient

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

Company name \_\_\_\_\_ Contact name \_\_\_\_\_

Phone number \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

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

Customer authorized signature \_\_\_\_\_ Date \_\_\_\_\_

### HVAC contractor information

Company name \_\_\_\_\_

Contact name (print) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Contact email\* \_\_\_\_\_ Phone \_\_\_\_\_

\*By providing your email address, you are granting Xcel Energy permission to send further emails regarding our programs and services.

## Rebate rules and regulations

### Qualifying Customers

- The Cooling Efficiency program is available to Xcel Energy business electric customers in Colorado.

### Program Rules

- Xcel Energy offers a cash rebate to customers who purchase and install qualifying cooling equipment. Qualifying levels are detailed in this application and must be verified by manufacturer or Air-Conditioning and Refrigeration Institute (ARI) specifications. Xcel Energy expects that the customer will operate energy-efficient equipment at the manufacturer's specified efficiency levels. Xcel Energy reserves the right to limit any rebate or make adjustments to correct incentive calculations if necessary.
- Rebates apply only to new cooling equipment. Used, rebuilt or refurbished equipment is not eligible for program rebates.
- Documents establishing proof of purchase (invoice) must be furnished when the original rebate application is completed.
- If not indicated on the invoice, please add the number of units installed, manufacturer, model number and cooling capacity (in tons).
- Unless otherwise indicated on the rebate form all efficiencies must be rated at the most recent ARI specifications.
- No rebates will be provided for backup systems. A backup system is defined as a separate chiller that is required only when one of the primary chillers fail.
- Cooling equipment must use a minimum ozone-depleting refrigerant such as R-410A, R-123, and R-134.
- If equipment efficiency is in SEER where the application asks for EER, multiply SEER by 0.855 to calculate EER rating.

### Water Cooled Centrifugal Chiller Rebate Rules

- Include the manufacturer's data sheet with the rebate application for chillers. The data sheet should include full load efficiency, part load efficiencies and testing conditions.
- To determine program qualification and proposed rebate, please contact your account manager or an energy efficiency specialist at 1-855-839-8862.

### VSDs on Chillers

- Applications must include original chiller specifications and manufacturer's VSD performance specifications (for centrifugal chillers only.)

### Direct Evaporative Pre-Cooling

- For single air cooled packaged rooftop or matched split system condensers and air cooled chillers only.
- Units must have a media performance efficiency of at least 75% (dry bulb temperature reduction achieved divided by the wet bulb depression) provided by the manufacturer.
- If sump is used, must have periodic purge control.
- Must have enthalpy controls to control pre-cooler operation.
- Prescriptive rebate not available for dedicated data centers.
- Water supply must have chemical or mechanical water treatment.

### General Xcel Energy Rebate Rules

- Rebate plans are available to existing Xcel Energy direct-billed electric commercial and industrial customers in Colorado only.
- No rebates will be given for equipment or designs that do not comply with program rebate rules and requirements with local, state or federal regulations.
- This rebate form and these rebate rules and requirements go into effect March 1, 2017 (unless otherwise indicated) and supersede all previous program rules and requirements. The program is currently in effect for an indefinite period, but is subject to 60 days notice of change or cancellation. The customer is responsible for checking with Xcel Energy to determine whether the program is still in effect. In the event that a program is canceled, there will be a PUC filing and notification will be posted on [xcelenergy.com](http://xcelenergy.com).
- Xcel Energy reserves the right to inspect installations before issuing rebates.
- 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 and will not be returned. Warning – Fraudulent submission of forms may result in federal prosecution for mail fraud under 18 USC sections 1341, 1342.
- Customers must apply for rebates within one year of the units' purchase date shown on the customer's invoice.
- Xcel Energy will issue rebates in the form of checks, not utility bill credits. Xcel Energy will issue rebates when the total amount is greater than or equal to five (5) dollars.

**Note:** Cooling Efficiency rebates cannot exceed 60 percent of the project cost (including equipment and labor). The minimum rebate is five (5) dollars. Xcel Energy's payment of program rebates is not an Xcel Energy warranty of the design, manufacture, installation, operation or performance of customer's equipment. Xcel Energy shall not be liable to any claims for personal injury or property damage resulting from the design, manufacture, installation, operation or performance of customer's equipment. Xcel Energy's liability shall be limited to the amount of the program rebate paid to customer.

Contact an energy efficiency specialist at 855.839.8862 or by email at [energyefficiency@xcelenergy.com](mailto:energyefficiency@xcelenergy.com) for more information.

**How to apply for rebates**

1. Fill out the rebate application. Please note the Rules and Requirements section on page 2 of this form. (All information needs to be supplied before a rebate check can be issued.)
2. Email, mail or fax completed and signed rebate form along with the original paid invoices. Email to: [energyefficiency@xcelenergy.com](mailto:energyefficiency@xcelenergy.com) (preferred) or fax to: 800.311.0050, or mail to: Energy Efficiency Specialists, Business Solutions Center, P.O. Box 8, Eau Claire, WI 54702

Rebate levels and requirements	Minimum to qualify		Incremental rebate	
	Minimum efficiency	Base rebate per ton	Increment	Increment rebate per ton
Anti-sweat heater controls	n/a	\$60/door	n/a	n/a
Chillers – water cooled scroll or rotary screw*				
< 75 tons	.742 FLV kW/ton .584 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
≥ 75 tons and < 150 tons	.712 FLV kW/ton .544 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
≥150 tons and < 300 tons	.652 FLV kW/ton .524 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
> 300 and ≤ 600 tons	.602 FLV kW/ton .504 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
> 600 tons	.552 FLV kW/ton .484 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
Chillers – water cooled centrifugal	Must improve on IECC 2015 baseline by .008 FLV and .008 IPLV kW/ton (Path “A”)	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per NPLV 0.01 kW/ton below base
Direct Evaporative Pre-Cooling for Air-Cooled Condensers (DEPACC)				
Single units ≥ 120,000 BTUH (≥ 10 tons)	Packaged rooftop (RTU) or matched split systems, and air cooled chillers	\$100/ton of installed cooling		
Ductless Mini-split AC - data center	16 SEER	\$20	.1 SEER	\$1
Ductless Mini-split heat pump	16 SEER/11 HSPF	\$50	.1 SEER	\$2
EC motors (electronically commutated motor)				
Refrigerated display case (medium temp)	n/a	\$40	n/a	n/a
Freezer display case (low temp)	n/a	\$40	n/a	n/a
Walk-in refrigerator (medium temp)	n/a	\$70	n/a	n/a
Walk-in freezer (low temp)	n/a	\$70	n/a	n/a
VSDs on chillers	Determined by existing chiller performance specifications and manufacturers VSD performance specifications.			\$1.50/ton per IPLV for every 0.01 kW/ton below max
*Rebates are based on ARI (550/590) test conditions only.				

**Warranty information**

Warranties are between the customer and the equipment manufacturer(s). Xcel Energy makes no warranties, expressed or implied, with respect to equipment design, manufacture, installation, operation or performance. Xcel Energy 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 the program. In no event shall Xcel Energy be liable for any incidental or consequential damages. Xcel Energy is not responsible for the disposal of motors replaced as a result of this program.

**Please allow six to eight weeks for rebate check to arrive.**

<input type="checkbox"/> Anti-sweat heater controls				
No. of doors	Manufacturer	Model no.	Rebate calculation	Item rebate
			____ No. of doors x \$60 =	

☐ Chillers – centrifugal

No. of units	Manufacturer	Model no.	Tons/unit	FLV (kW/ton)	NPLV (kW/ton)	Economizer
						<input type="checkbox"/> Air or Waterside <input type="checkbox"/> No Economizer
Determine rebate by contacting your Xcel Energy account manager or an energy efficiency specialist at 855.839.8862.						

☐ Chillers – water cooled scroll or rotary screw

No. of units	Manufacturer	Model no.	Tons/unit	FLV (kW/ton)	IPLV (kW/ton)	Economizer	Item rebate
						<input type="checkbox"/> Air or Waterside <input type="checkbox"/> No Economizer	
(Base: \$15 x _____ tons = \$ _____) + (Efficiency: (FLV \$2 x _____ <sup>a</sup> x _____ tons = \$ _____) + (IPLV \$1.50 x _____ <sup>b</sup> x _____ tons = \$ _____)							
a = [Min. qualifying FLV kW/ton – Equipment FLV kW/ton]/0.01				b = [Min. qualifying IPLV kW/ton – Equipment IPLV kW/ton]/0.01			

☐ Direct evaporative pre-cooling

No. of units	Manufacturer	Model no.	Tons/unit	Item rebate
(Base: \$100 x _____ tons = \$ _____)				

☐ Ductless Mini-split AC - data center

No. of units	Manufacturer	Model no.	Tons/unit	EER/SEER	Item rebate
(Base: \$20 x _____ tons = \$ _____) + (Efficiency: \$1 x _____ <sup>a</sup> x _____ tons = \$ _____) = \$ _____					

☐ Ductless Mini-split heat pump

No. of units	Manufacturer	Model no.	Tons/unit	EER/SEER	Item rebate
(Base: \$50 x _____ tons = \$ _____) + (Efficiency: \$2 x _____ <sup>a</sup> x _____ tons = \$ _____) = \$ _____					
a = [Equipment EER or SEER (from vendor) – Min. qualifying EER or SEER (from table of Min. Qualifying Criteria)] / 0.1					

☐ EC motors (electronically commutated motors)**Section A – ECMs that replaced shaded pole motors within refrigerated display cases.**

Line #	End use function	Manufacturer	Model #	Rebate	Qty	Rebate x qty = total rebate
1	Refrigerated display case (medium temp)			\$40		
2	Refrigerated display case (medium temp)			\$40		
3	Refrigerated display case (medium temp)			\$40		
4	Refrigerated display case (medium temp)			\$40		

**Section B – ECMs that replaced shaded pole motors within low temperature (freezer) display cases.**

Line #	End use function	Manufacturer	Model #	Rebate	Qty	Rebate x qty = total rebate
5	Freezer display case (low temp)			\$40		
6	Freezer display case (low temp)			\$40		
7	Freezer display case (low temp)			\$40		
8	Freezer display case (low temp)			\$40		

Subtotal, sections A &amp; B

☐ **EC motors (electronically commutated motors) cont.****Section C** – ECMs that replaced shaded pole motors within **walk-in refrigerators**.

Line #	Function/fan size	Manufacturer	Model #	Rebate	Qty	Rebate x qty = total rebate
9	Walk-in refrig. (medium temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		
10	Walk-in refrig. (medium temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		
11	Walk-in refrig. (medium temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		
12	Walk-in refrig. (medium temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		

**Section D** – ECMs that replaced shaded pole motors within **walk-in freezers**.

Line #	Function/fan size	Manufacturer	Model #	Rebate	Qty	Rebate x qty = total rebate
13	Walk-in freezer (low temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		
14	Walk-in freezer (low temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		
15	Walk-in freezer (low temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		
16	Walk-in freezer (low temp) <input type="checkbox"/> More than 15" or <input type="checkbox"/> Less than 15"			\$70		

**Subtotal, sections C & D**

**PLEASE NOTE:** Each line of sections C and D MUST INDICATE if the ECM will drive an evaporator fan of more or less than 15 inches. Items that do not indicate the fan size cannot be rebated.

**Grand total, sections A, B, C & D**☐ **VSDs on chillers**

No. of units	Manufacturer	Model no.	Tons/unit*	IPLV (previous)	IPLV (post)	Item rebate

(IPLV \$1.50 \_\_\_\_ <sup>a</sup> x \_\_\_\_ tons = \$\_\_\_\_)

a = [Previous IPLV kW/ton – Post IPLV kW/ton (design conditions)]/.01  
\*chiller tons

Xcel Energy retains the right to limit rebates or make adjustments to correct incentive calculations if necessary. Energy savings calculations are estimates and may vary from actual results.

**Important:** Copies of all invoices and this completed application form are required before Xcel Energy can issue rebates. See Program Guidelines for additional information.

