

# Cooling Efficiency

## 2014 COOLING EQUIPMENT REBATE APPLICATION

For use with invoices dated on or after May 1, 2014.

### Business Customer Information

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

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

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

Installation address \_\_\_\_\_  
(IF DIFFERENT FROM MAILING ADDRESS)

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

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

Email \_\_\_\_\_

☐ Check this box if you do not want to receive emails from Xcel Energy 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

Contractor name \_\_\_\_\_ Contractor contact name \_\_\_\_\_

Contractor address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Daytime phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

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## Rebate Rules and Requirements

### Qualifying Customers

- The Xcel Energy 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.

### Split System Rebate Rules

- You must purchase both the condensing unit and A-coil to receive a rebate. Efficiencies will be based on the condensing unit and A-coil combination.
- "Mini-split" ductless systems do not qualify for a prescriptive rebate. Submit a Custom Efficiency rebate application for these systems.

### 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 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 May 1, 2014 (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 **1-855-839-8862** 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: **1-800-311-0050**, 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	
		Base rebate per ton	Increment	Increment rebate per ton
<b>Anti-sweat Heater Controls</b>	n/a	\$60/door	n/a	n/a
<b>Chillers – Air Cooled*</b>	11.0 EER 12.9 SEER	\$8	0.1 EER	\$2 per FLV/EER + \$1.50 per IPLV/SEER 0.1 EER above base
<b>Chillers - Water Cooled Scroll or Rotary Screw*</b>				
< 75 tons	.764 FLV kW/ton .614 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	.759 FLV kW/ton .599 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	.632 FLV kW/ton .532 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
> 300 tons	.572 FLV kW/ton .492 IPLV kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per IPLV 0.01 kW/ton below base
<b>Chillers – Water Cooled Centrifugal</b>	Must improve on IECC 2009 baseline by 0.016 kW/ton	\$15	0.01 kW / ton	\$2 per FLV + \$1.50 per NPLV 0.01 kW/ton below base
<b>Direct Evaporative Pre-cooling for Air-Cooled Condensers (DEPACC)**</b>				
Single Units ≥ 120,000 BTUH (≥ 10 tons)	Packaged rooftop (RTU) or matched split systems, and air cooled chillers	\$100/ton of installed cooling		
<b>DX Units</b> (roof top, split systems and condensing units)				
< 65,000 BTUH (< 5.4 tons)	15.8 SEER	\$65	0.1 SEER	\$0.50
65,000 – 135,000 (5.5 tons – 11.3 tons)	12 EER	\$65	0.1 EER	\$0.50
135,000 – 240,000 (11.4 tons – 19.9 tons)	11.5 EER	\$65	0.1 EER	\$0.50
240,000 – 760,000 (20 tons – 63.3 tons)	11 EER	\$65	0.1 EER	\$0.50
> 760,000 (> 63.3 tons)	10.5 EER	\$65	0.1 EER	\$0.50
<b>EC Motors</b> (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
<b>Plate and Frame Heat Exchangers***</b>	Only for water-cooled chiller and cooling tower systems without air side economizers installed.			Up to \$400/ton, based on wet bulb onset temperature
<b>PTACs</b>	11.0 EER	\$65	0.1 EER	\$5
<b>VSDs on Chillers***</b>	Determined by existing chiller performance specifications and manufacturers VSD performance specifications.			\$1.50/ton per IPLV for every 0.01 kW/ton below max
<b>Water-Source Heat Pumps</b>	14.0 EER	\$65	0.1 EER	\$5
*Rebates are based on ARI (550/590) test conditions only. **Rebates for this equipment are effective 2/24/13. ***Rebates for this equipment are effective 8/28/11.				

### 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.**

☐ ANTI-SWEAT HEATER CONTROLS

No. of doors	Manufacturer	Model no.	Rebate calculation	Item rebate
			_____ No. of doors x \$60 =	

☐ CHILLERS – AIR COOLED

No. of units	Manufacturer	Model no.	Tons/unit	EER/FLV	IPLV/SEER	Item rebate

(Base: \$8 x \_\_\_\_\_ tons = \$ \_\_\_\_\_) + (Efficiency: (FLV \$2 x \_\_\_\_\_<sup>a</sup> x \_\_\_\_\_ tons = \$ \_\_\_\_\_) + (IPLV \$1.50 x \_\_\_\_\_<sup>b</sup> x \_\_\_\_\_ tons = \$ \_\_\_\_\_)

$$a = [\text{Equipment EER} - \text{Min. qualifying EER}] / 0.1$$

$$b = [\text{Equipment IPLV/SEER} - \text{Min. qualifying IPLV/SEER}] / 0.1$$

☐ CHILLERS – CENTRIFUGAL

No. of units	Manufacturer	Model no.	Tons/unit	FLV (kW/ton)	NPLV (kW/ton)	Item rebate

Determine rebate by contacting your Xcel Energy account manager or an energy efficiency specialist at 1-855-839-8862.

☐ CHILLERS – WATER COOLED SCROLL OR ROTARY SCREW

No. of units	Manufacturer	Model no.	Tons/unit	FLV (kW/ton)	IPLV (kW/ton)	Item rebate

(Base: \$15 x \_\_\_\_\_ tons = \$ \_\_\_\_\_) + (Efficiency: (FLV \$2 x \_\_\_\_\_<sup>a</sup> x \_\_\_\_\_ tons = \$ \_\_\_\_\_) + (IPLV \$1.50 x \_\_\_\_\_<sup>b</sup> x \_\_\_\_\_ tons = \$ \_\_\_\_\_)

$$a = [\text{Min. qualifying FLV kW/ton} - \text{Equipment FLV kW/ton}] / 0.01$$

$$b = [\text{Min. qualifying IPLV kW/ton} - \text{Equipment IPLV kW/ton}] / 0.01$$

☐ DIRECT EVAPORATIVE PRE-COOLING<sup>1</sup>

No. of units	Manufacturer	Model no.	Tons/unit	Item rebate

(Base: \$100 x \_\_\_\_\_ tons = \$ \_\_\_\_\_)

<sup>1</sup>Rebates for this equipment are effective February 24, 2013.

☐ DX UNITS (ROOF TOP, SPLIT SYSTEMS AND CONDENSING UNITS), (DOES NOT INCLUDE DUCTLESS MINI-SPLIT SYSTEMS)

No. of units	Manufacturer	Model no.	Tons/unit	EER/SEER	Item rebate

(Base: \$65 x \_\_\_\_\_ tons = \$ \_\_\_\_\_) + (Efficiency: \$0.50 x \_\_\_\_\_<sup>a</sup> x \_\_\_\_\_ tons = \$ \_\_\_\_\_) = \$ \_\_\_\_\_

$$(Base: \$65 \times \text{tons} = \$ \text{_____}) + (Efficiency: \$0.50 \times \text{_____}^a \times \text{tons} = \$ \text{_____}) = \$ \text{_____}$$

$$a = [\text{Equipment EER (from vendor)} - \text{Min. qualifying EER/SEER (from table of Min. Qualifying Criteria)}] / 0.1$$

☐ 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		

**☐ EC MOTORS (ELECTRONICALLY COMMUTATED MOTORS) *con't*****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 & B**

**PLEASE NOTE:** Each line of sections C&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.

**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****Grand Total, Sections A, B, C & D****☐ PACKAGED TERMINAL AIR CONDITIONERS (PTAC)**

No. of units	Manufacturer	Model no.	Tons/unit	EER	Item rebate
(Base: \$65 x _____ tons = \$ _____) + (Efficiency: \$5 x _____ <sup>a</sup> x _____ tons = \$ _____) = \$ _____					
(Base: \$65 x _____ tons = \$ _____) + (Efficiency: \$5 x _____ <sup>a</sup> x _____ tons = \$ _____) = \$ _____					

$$a = [\text{Equipment EER (from vendor)} - \text{Min. qualifying EER (from table of Min. Qualifying Criteria)}] / 0.1$$

☐ **PLATE AND FRAME HEAT EXCHANGER<sup>2</sup>**

No. of units	Manufacturer	Wet bulb temp**	Tons/unit *	Balance Point***	IPLV (kW/ton)	Item rebate

Determine rebate by contacting your Xcel Energy account manager or an energy efficiency specialist at **1-855-839-8862**.

\*Load/Tons displaced by heat exchanger

\*\*Wet bulb temperature heat exchanger is used instead of a chiller.

\*\*\*Balance point of building °F. Default is 20 °F. If data center or process load, use -26 °F.

☐ **VSDs ON CHILLERS<sup>2</sup>**

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

☐ **WATER-SOURCE HEAT PUMPS**

No. of units	Manufacturer	Model no.	Tons/unit	EER	Item rebate

(Base: \$65 x \_\_\_\_ tons = \$ \_\_\_\_\_) + (Efficiency: \$5 x \_\_\_\_<sup>a</sup> x \_\_\_\_ tons = \$ \_\_\_\_\_) = \$ \_\_\_\_

a = [Equipment EER (from vendor) - Min. qualifying EER (from table of Min. Qualifying Criteria)]/0.1

☐ **TOTAL REBATES**

No. of units	Total rebates listed above

<sup>2</sup> Rebates for this equipment are effective 8/28/11.

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.**FOR OFFICE USE ONLY. DO NOT WRITE IN THE SPACE BELOW.**

Sales representative \_\_\_\_\_ ID # \_\_\_\_\_ Date \_\_\_\_\_ Sector \_\_\_\_\_

kW/revenue calculations: Sales reps, please complete the cooling calculator along with the application.

Rebate Ops Signature \_\_\_\_\_ Date \_\_\_\_\_



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