

Cooling Efficiency

2013/2014 COOLING EQUIPMENT REBATE APPLICATION

For invoices dated
1/1/13 - 4/30/14.

Business Customer Information

Company 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 _____

☐ Check this box if you do not want to receive emails from Xcel Energy regarding our programs and services.

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 1-800-481-4700.

Advanced Evaporative Cooling

- Only indirect units qualify for a rebate.
- Cooling equipment must have a minimum media saturation level of 85%. Units must be installed with a remote thermostat and a periodic purge water control.
- Only conditioned CFM qualifies for rebate.

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. Note: Air cooled chiller condenser rebates effective January 17, 2014.
- 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 01/01/2013 (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.
- 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' installation 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 **1-800-481-4700** or by email **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 (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
PTACs	11.0 EER	\$65	0.1 EER	\$5
Water-Source Heat Pumps	14.0 EER	\$65	0.1 EER	\$5
Rooftop AC Units				
< 65,000 BTUH (< 5.4 tons)	15.0 SEER	\$65	0.1 SEER	\$5
65,000 – 135,000 (5.5 tons – 11.3 tons)	11.5 EER	\$65	0.1 EER	\$5
135,000 – 240,000 (11.4 tons – 19.9 tons)	11.5 EER	\$65	0.1 EER	\$5
240,000 – 760,000 (20 tons – 63.3 tons)	10.6 EER	\$65	0.1 EER	\$5
> 760,000 (> 63.3 tons)	9.9 EER	\$65	0.1 EER	\$5
Direct Evaporative Pre-cooling for Air-Cooled Condensers (DEPACC)*				
Single Units ≥ 120,000 BTUH (≥ 10 tons)	Packaged rooftop (RTU), matched split systems, and air cooled chillers only.	\$100/ton of installed cooling		
Condensing Units				
≥ 65,000 BTUH and ≥ 5.4 tons	11.5 EER	\$65	0.1 EER	\$5
Split Systems (Does not include mini-split ductless)				
< 65,000 BTUH and < 5.4 tons	15.0 SEER	\$65	0.1 SEER	\$5
Chillers – Rotary Screw or Scroll application**				
< 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
Chillers – Air Cooled**	11.0 EER 12.9 SEER	\$8	0.1 EER	\$2 per FLV/EER + \$1.50 per IPLV/SEER 0.1 EER above base
Chillers – Water Cooled Centrifugal	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
Advanced Evaporative Cooling (Indirect or Hybrid)	Must have a minimum of 85% media saturation	\$ 750/1600 cfm		
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
Plate and Frame Heat Exchangers***	Only for water-cooled chiller and cooling tower systems without air side economizers installed.			Up to \$400/ton, based on wet bulb onset temperature
*Rebates for this equipment are effective 2/24/13. **Rebates are based on ARI (550/590) test conditions only. ***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.

☐ **PACKAGED TERMINAL AIR CONDITIONERS (PTAC)**

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

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

☐ **WATER-SOURCE HEAT PUMPS**

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

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

☐ **ROOFTOP AC UNITS**

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

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

☐ **DIRECT EVAPORATIVE PRE-COOLING¹**

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

☐ **CONDENSING UNITS > 5.4 TONS/65,000 BTUH**

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

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

☐ **SPLIT SYSTEMS < 5.4 TONS/65,000 BTUH (Does not include mini-split ductless systems)**

No. of units	Manufacturer	Model no.	Tons/unit	SEER	A-coil model no.	Item rebate
(Base: \$65 x _____ tons = \$ _____) + (Efficiency: \$5 x _____ ^a x _____ tons = \$ _____) = \$ _____						

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

¹Rebates for this equipment are effective February 24, 2013.

☐ CHILLERS – ROTARY OR SCROLL

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

(Base: \$15 x _____ tons = \$ _____) + (Efficiency: (FLV \$2 x _____^a x _____ tons = \$ _____) + (IPLV \$1.50 x _____^b 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

☐ 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 _____^a x _____ tons = \$ _____) + (IPLV \$1.50 x _____^b x _____ tons = \$ _____)

a = [Equipment EER – Min. qualifying EER]/0.1

b = [Equipment IPLV/SEER – 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 **1-800-481-4700**.

☐ ADVANCED EVAPORATIVE COOLING

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

(Base: \$750 x _____ tons = \$ _____) Unit kW = _____

CFM/1600 = tons (conditioned airflow only)

☐ VSDs on CHILLERS²

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

(IPLV \$1.50 _____^a x _____ tons = \$ _____)

a = [Previous IPLV kW/ton - Post IPLV kW/ton (design conditions)]/.01

*chiller tons

☐ PLATE AND FRAME HEAT EXCHANGER²

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 **1-800-481-4700**.

*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.

☐ TOTAL REBATES

No. of units	Total rebates listed above

²Rebates 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** _____