

# 2016 Residential Cooling Equipment Rebate Application



## CUSTOMER INFORMATION

Last Name/Business Name \_\_\_\_\_ First Name \_\_\_\_\_ Daytime Phone \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Installation Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Account Number \_\_\_\_\_ Email \_\_\_\_\_

Customer Type:  Owner/Occupant  Owner/Non-occupant

### Household Size and Annual Income

No. of People	Income
1	\$23,540
2	\$31,860
3	\$40,180
4	\$48,500
5	\$56,820
6	\$65,140
7	\$73,460
8	\$81,780

For statistical purposes only, please provide the following information.

Responses will be combined with others for analysis, as required by the Minnesota Department of Commerce.

**Is your household income above or below the amount corresponding to your household size in the table to the right?**

Above  Below

How did you hear about our rebates:  Radio  TV  Utility Rep.  Contractor  
 Utility Newsletter  Utility Mailing  Newspaper Ad  Other

*I certify that the information on this application is correct and request consideration for participation in this program. I have read and agree to the terms and conditions shown in this application including the specific ground source heat pump terms and conditions if installing an eligible ground source heat pump. I understand that if any equipment in conjunction with this application is ordered, purchased, or installed before approval from the Utility is received, the proposed project may not qualify for a rebate.*

Customer Signature \_\_\_\_\_ Signature Date \_\_\_\_\_

## CONTRACTOR INFORMATION

Company Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Contact Name \_\_\_\_\_

## GROUND LOOP INSTALLER INFORMATION (if applicable)

Loop Installer Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Contact Name \_\_\_\_\_

## GENERAL TERMS AND CONDITIONS

All information for the requested rebate as well as customer signature must be completed. Only complete applications will be processed. Customers must apply for rebates within three months of the purchase date shown on the receipt/invoice. The rebated equipment must be installed where electric service is provided by the Utility on a retail basis. The Utility reserves the right to conduct random inspections to verify installation of the rebated equipment at the installation address indicated on the first page of this form. This program is offered January 1 through December 31 of their respective calendar year. Due to limited funding, this rebate offer can be withdrawn at any time without notice, and is available on a first-come, first-served basis. After satisfactory review of the rebate form and other required documentation, a rebate check or bill credit will be issued to the customer. Please allow 60 days from the receipt of this form for the delivery of the rebate or bill credit. The Utility does not guarantee that the implementation of energy-efficiency measures or use of the equipment purchased and installed pursuant to this program will result in energy or cost savings. The Utility does not endorse any particular vendor, manufacturer, or product, and makes no warranties, expressed or implied, with respect to any equipment purchased or installed including, but not limited to, any warranty of merchantability or fitness for purpose. In no event shall the Utility be liable for any incidental or consequential damages.

## FOR UTILITY USE ONLY

Total Rebate \_\_\_\_\_ Utility Approval \_\_\_\_\_

Approval Date \_\_\_\_\_ Date Paid \_\_\_\_\_

# 2016 Residential Cooling Equipment Rebate Application



Provide the following information about your new **Central AC** or **Air Source Heat Pump**:

Equipment Type:  Central AC  Air Source Heat Pump

Unit Type:  Split  Packaged  Mini-split  Multi-split

Cooling Capacity:  Cooling Capacity < 20,000 Btuh  Cooling Capacity 20,000-65,000 Btuh

Project Type:  New Construction  Replace Failed Equipment  Replace Working Equipment

Estimated Age of Existing Equipment (if applicable): \_\_\_\_\_ Years

AHRI Reference Number: \_\_\_\_\_ (www.ahridirectory.org)

Cooling Capacity (Btuh): \_\_\_\_\_ Rated Efficiency (SEER): \_\_\_\_\_ Rated HSPF: \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Outdoor Unit Model: \_\_\_\_\_ Indoor Unit Model: \_\_\_\_\_ Furnace Mfg: \_\_\_\_\_ Furnace Model: \_\_\_\_\_

Quantity: \_\_\_\_\_

Installation Date: \_\_\_\_\_

Total Equipment Cost: \$ \_\_\_\_\_

### Rebate Calculation:

Cooling Capacity < 20,000 Btuh: Quantity \_\_\_\_\_ X ( \$100 + [(Rated SEER \_\_\_\_\_ - 14 SEER) X \$25] ) = \$ \_\_\_\_\_

Cooling Capacity 20,000-65,000 Btuh: Quantity \_\_\_\_\_ X ( \$200 + [(Rated SEER \_\_\_\_\_ - 14 SEER) X \$75] ) = \$ \_\_\_\_\_

### Qualifying Efficiencies and Rebate Schedule

Qualifying Equipment	Minimum Efficiency	Rebate/Unit	Efficiency Bonus Rebate <sup>1</sup>
Cooling Capacity < 20,000 Btuh	14 SEER	\$100	\$25
Cooling Capacity 20,000-65,000 Btuh	14 SEER	\$200	\$75

SEER - Seasonal Energy Efficiency Rating

<sup>1</sup>Efficiency Bonus Rebate provides an additional incentive for efficiencies above 14 SEER.

Qualifying air source heat pumps must be rated in accordance with the most recent version of ARI Standard 210/240 and have nameplate data stamped with the SEER.

**A copy of the manufacturer's applicable unit rating must accompany this application.** The AHRI directory and standards are located at www.ahridirectory.org.

# 2016 Residential Cooling Equipment Rebate Application



Provide the following information about your new **Ground Source Heat Pump:**

Project Type:  New Construction  Retrofit

System Type:  Closed-Loop Water-to-Air  Closed-Loop Water-to-Water  Open-Loop Water-to-Air  Open-Loop Water-to-Water  Direct Geexchange (DGX)

Size (Tons): \_\_\_\_\_ kW/Ton Rating: \_\_\_\_\_ Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Rated EER (by AHRI): \_\_\_\_\_ Rated COP (by AHRI): \_\_\_\_\_ Number of Desuperheaters: \_\_\_\_\_ AHRI Reference #: \_\_\_\_\_

Annual Heating Hours: \_\_\_\_\_ Annual Cooling Hours: \_\_\_\_\_ House Size (ft<sup>2</sup>): \_\_\_\_\_

Project Cost (materials and labor): \$ \_\_\_\_\_

Loop Type:  Horizontal  Vertical  Slinky  Other \_\_\_\_\_

Water Heating:  Electric  Gas Capacity: \_\_\_\_\_ Gallons

Loop Length: \_\_\_\_\_ ft Cooling Capacity: \_\_\_\_\_ BTU Heating Capacity: \_\_\_\_\_ BTU

Supplemental Heat: kW \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_

Quantity: \_\_\_\_\_ Installation Date: \_\_\_\_\_

**Rebate Calculation:** Size \_\_\_\_\_ X Quantity \_\_\_\_\_ X ( \$200 + [(Rated EER \_\_\_\_\_ - Minimum Efficiency/EER \_\_\_\_\_ ) X \$25] ) = \$ \_\_\_\_\_

## Qualifying Efficiencies and Rebate Schedule

Qualifying Equipment	Minimum Efficiency	Base Rebate* \$/Ton	EER Bonus Rebate <sup>1</sup> \$/Ton
Closed-Loop Water-to-Air GSHP	17.1 EER and 3.6 COP	\$200	\$25
Closed-Loop Water-to-Water GSHP	16.1 EER and 3.1 COP	\$200	\$25
Open-Loop Water-to-Air GSHP	21.1 EER and 4.1 COP	\$200	\$25
Open-Loop Water-to-Water GSHP	20.1 EER and 3.5 COP	\$200	\$25
Direct Geexchange (DGX) GSHP	16.0 EER and 3.6 COP	\$200	\$25

The Minimum Efficiencies shown to the left apply to single-stage models and also to multi-stage models based on the following calculated efficiencies:

EER = (highest rated capacity EER - lowest rated capacity EER) / 2

COP = (highest rated capacity COP - lowest rated capacity COP) / 2

<sup>1</sup>EER Bonus Rebate provides an additional incentive for each 1 EER above the Minimum Efficiency

Qualifying Water-to-Air ground source heat pump efficiency ratings are determined using the Air Conditioning, Heating, and Refrigeration Institute's (AHRI) directory, which may be found at [www.ahridirectory.org](http://www.ahridirectory.org). EER rating is at ARI/ISO 13256-1 cooling conditions of 77°F entering water temperature and 80.6°F dry bulb/66.2°F wet bulb entering air temperature (ground loop heat pump). **A copy of the manufacturer's applicable unit rating must accompany this application.**

Qualifying Water-to-Water ground source heat pump efficiency ratings are verified using manufacturer specifications which clearly demonstrate the Entering Water Temperature (EWT), Gallons Per Minute (GPM) water flow, and the associated EER rating. EER rating is at ARI/ISO 13256-2 cooling conditions of 77°F entering water temperature and 53.6°F leaving water temperature (ground loop heat pump). **Please include manufacturer's specification sheets verifying this information.**

Qualifying DGX ground source heat pumps must be rated in accordance with AHRI 870 rating conditions. **Please include manufacturer's specification sheets verifying this information.**

# GROUND SOURCE HEAT PUMP TERMS AND CONDITIONS

## 1. ELIGIBILITY

Rebates are available to residential electric customers of the Utility. All products must be in use in residences in the Utility service territory.

## 2. APPLICATION PERIOD

The program is offered January 1 through December 31 of the respective calendar year. Due to limited funding, this rebate offer can be withdrawn at any time without notice, and is available on a first-come, first-served basis. All projects must be pre-approved by the Utility to qualify for a rebate.

## 3. INSPECTION AND VERIFICATION

The Utility reserves the right to inspect the Customer's residence through on-site visitations before and after new equipment installation to verify rebate eligibility.

## 4. INSTALLATION AND REBATE AMOUNTS

Qualifying energy-efficient Ground Source Heat Pumps installed and operational within six (6) months of the date of purchase are eligible for rebate. Additional time may be granted subject to the Utility's pre-approval. In no case will the rebate paid by the Utility exceed the purchase price of the equipment. The maximum rebate amount may be limited.

## 5. INVOICE AND PAYMENT

When the purchase and installation is completed, the Customer must notify the Utility and submit original invoices specifying the quantity and price of all materials purchased, installation costs, and applicable taxes. After satisfactory review of the invoices and potential on-site verification, a rebate check or bill credit will be issued to the Customer. Please allow 60 days from the date of receipt of required documentation for delivery of payment.

## 6. EQUIPMENT ELIGIBILITY REQUIREMENTS

- Eligible single-stage ground source heat pumps must meet or exceed the Utility's minimum efficiency requirements as identified in this application according to its respective characteristics. Multi-stage models may be qualified based on:  
$$\text{EER} = (\text{highest rated capacity EER} - \text{lowest rated capacity EER}) / 2$$
$$\text{COP} = (\text{highest rated capacity COP} - \text{lowest rated capacity COP}) / 2$$
- Qualifying Water-to-Air ground source heat pump efficiency ratings are determined using the Air Conditioning, Heating, and Refrigeration Institute's (AHRI) directory, which may be found at [www.ahridirectory.org](http://www.ahridirectory.org). EER rating is at ARI/ISO 13256-1 cooling conditions of 77°F entering water temperature and 80.6°F dry bulb/66.2°F wet bulb entering air temperature (ground loop heat pump). **A copy of the manufacturer's applicable unit rating must accompany this application.**
- Qualifying Water-to-Water ground source heat pump efficiency ratings are verified using manufacturer specifications which clearly demonstrate the Entering Water Temperature (EWT), Gallons Per Minute (GPM) water flow, and the associated EER rating. EER rating is at ARI/ISO 13256-2 cooling conditions of 77°F entering water temperature and 53.6°F leaving water temperature (ground loop heat pump). **Please include manufacturer's specification sheets verifying this information.**
- Qualifying DGX ground source heat pumps shall qualify in accordance with AHRI 870 rating conditions. **Please include manufacturer's specification sheets verifying this information.**

## 7. TAX INFORMATION

The Utility will not be responsible for any tax liability imposed as a result of the rebate payment(s). Customers are advised to consult their tax advisors for detail.

## 8. DISCLAIMER

The Utility does not guarantee that the implementation of energy-efficient measures or use of the equipment purchased or installed pursuant to this program will result in energy or cost savings. The Utility makes no warranties, expressed or implied, with respect to any equipment purchased or installed including, but not limited to, any warrant of merchantability or fitness for purpose. In no event shall the Utility be liable for any incidental or consequential damages. Customers are solely responsible for the proper disposal of existing equipment. Consult the Minnesota Pollution Control Agency (MPCA) for details at (800) 657-3864.

## 9. ENDORSEMENT

The Utility does not endorse any particular vendor, manufacturer, product, or system in promoting this rebate program. Listing a vendor or product does not constitute an endorsement, nor does it imply that unlisted vendors or products are deficient or defective in any way.