

# Residential Ground Source Heat Pump Rebate Application



City of Lake City  
Public Utilities

## CUSTOMER INFORMATION

Residential Last Name \_\_\_\_\_ Res. First Name \_\_\_\_\_

Daytime Phone \_\_\_\_\_

Mailing Address \_\_\_\_\_

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

Installation Address (if different) \_\_\_\_\_

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

Account Number \_\_\_\_\_ Business Tax ID (if applicable) \_\_\_\_\_

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

Customer Type:  Owner/Occupant  Owner/Non-occupant

*I certify that the information on this application (and any associated worksheets) is correct and request consideration for participation in this program. I have read and agree to the terms and conditions shown in this application. 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/INSTALLER INFORMATION

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

Address \_\_\_\_\_

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

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

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

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

Address \_\_\_\_\_

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

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

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

## FOR UTILITY USE ONLY

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

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

# Residential Ground Source Heat Pump Rebate Application



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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 Geoexchange (DGX)

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

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

Annual Heating Hours (2,700 is average): \_\_\_\_\_ Annual Cooling Hours (523 is average): \_\_\_\_\_ 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 = (Size \_\_\_\_\_ X Quantity \_\_\_\_\_ X \$200) + [(Rated EER \_\_\_\_\_ - Minimum Efficiency/EER \_\_\_\_\_) X Size \_\_\_\_\_ X Quantity \_\_\_\_\_ 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	14.1 EER and 3.3 COP	\$200	\$25
Closed-Loop Water-to-Water GSHP	15.1 EER and 3.0 COP	\$200	\$25
Open-Loop Water-to-Air GSHP	16.2 EER and 3.6 COP	\$200	\$25
Open-Loop Water-to-Water GSHP	19.1 EER and 3.4 COP	\$200	\$25
Direct Geoexchange (DGX) GSHP	15.0 EER and 3.5 COP	\$200	\$25

<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.**

\* Through 12/31/16, ground source heat pumps that meet ENERGY STAR® specifications may also be eligible for Federal tax incentives of 30% of the installed cost.

# 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 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 high-efficiency ground source heat pumps must meet or exceed the Utility's minimum efficiency requirements as identified in this application according to its respective characteristics.
- 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.