

# EFFICIENT ELECTRIC HEATING RATE

## • Efficient Electric Heating rate

The EEH rate is a 3 cents per kilowatt-hour (kWh) discount for all energy used by a qualifying:

- electric ground source heat pump 12 months per year or,
- air-source heat pump for bills rendered November-May (excludes June, July, August, September and October).

Rate is effective 1/1/15.

## • Qualifications

Great Lakes Energy (GLE) members taking monthly service concurrently under Rate Schedules A or GS (single phase service) qualify, provided their ground or air-source heat pump meets the energy efficiency standards in the chart below.

## • Metering Details

Heat pump must be wired to a second meter so recorded kWh can receive the discount. Energy used by other electric appliances, devices and equipment will continue to be recorded by the main meter at the standard residential rate.

## • Billing

You will receive one bill for energy used by both meters. Meters automatically send daily meter readings, so usage is monitored accurately and effectively.

## • Restrictions

Only qualifying electric heat pumps are to be connected to the second meter for the discount. Connection of other appliances/equipment, including electric water heaters, to the second meter will result in immediate removal from the program and all savings earned must be paid back to GLE.

## • How to Enroll

See back for instructions on how to enroll.

## • Rebates

You may qualify for rebates, too. For more details contact us or go to [www.gtlakes.com](http://www.gtlakes.com).

## Energy Efficiency Standards

Electric heat pump must meet or exceed energy efficiency standards below to qualify for EEH rate.

Type of Heat Pump	EER	COP	
Closed Loop Water-to-Air Geothermal	17.1	3.6	
Open Loop Water-to-Air Geothermal	21.1	4.1	
Closed Loop Water-to-Water	16.1	3.1	
Geothermal Open Loop Water-to-Water	20.1	3.5	
Geothermal Direct Geoexchange	16.0	3.6	
Type of Heat Pump	EER2	SEER2	HSPF2
Air-Source Heat Pump Split System	12.0	14.3	7.1
Air-Source Heat Pump Central System	11.5	13.4	6.8

**EER:** Energy Efficiency Ratio

**SEER:** Seasonal Energy Efficiency Ratio

**COP:** Coefficient of Performance

**HSPF:** Heating Seasonal Performance Factor

Please contact Great Lakes Energy at  
1-888-485-2537, ext. 8957 with questions.



GREAT LAKES  
ENERGY



GREAT LAKES ENERGY COOPERATIVE MEMBER SERVICE AGREEMENT  
EFFICIENT ELECTRIC HEATING RATE

DATE: \_\_\_\_\_

MEMBER NAME \_\_\_\_\_ GLE ACCT # \_\_\_\_\_

ADDRESS WHERE HTG SYSTEM INSTALLED \_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

HOME PHONE \_\_\_\_\_ WORK PHONE \_\_\_\_\_ EMAIL ADDRESS \_\_\_\_\_

**Indicate heat pump type and provide related information:**

- Geothermal (closed loop water-to-air)
- Geothermal (open loop water-to-air)
- Geothermal (closed loop water-to-water)
- Geothermal (open loop water-to-water)
- Direct Geoexchange
- Air Source Heat Pump (Split System)\*
- Air Source Heat Pump (Central System)\*

*\*Qualifying Air Source Heat Pumps will receive a \$200 rebate, once the heat meter is installed.*

Mailing Address, if different from above: \_\_\_\_\_

**Please provide more information on heat pump, including efficiency ratings:**

Brand Name \_\_\_\_\_ Model # \_\_\_\_\_

Serial # \_\_\_\_\_ AHRI# \_\_\_\_\_

EER(2) \_\_\_\_\_ SEER(2) \_\_\_\_\_ COP \_\_\_\_\_ HSPF(2) \_\_\_\_\_

Contractor Information: (name/phone#) \_\_\_\_\_

**REPLACEMENT (check next to type of heating system changed out)**

Propane \_\_\_\_\_ Natural Gas \_\_\_\_\_ Oil \_\_\_\_\_ Wood \_\_\_\_\_ Electric \_\_\_\_\_ Other \_\_\_\_\_

New Construction \_\_\_\_\_

**Do you have Net Metering for solar or wind?      YES    NO**

**Do you anticipate having solar or wind in the future?    YES    NO**

*This will help determine the wiring diagram to provide you.*

To be eligible for Great Lakes Energy's (GLE) Efficient Electric Heating (EEH) rate, I agree to the following terms and conditions:

1. To install an electric ground or air-source heat pump that meets required energy efficiency standards (see table on back).
2. To install a second metered, electric service for the measurement of energy to my electric heat pump system. The second electric meter must be exterior mounted using meter equipment issued by GLE and installed in accordance with the GLE associated diagram and locally approved electrical codes and standards. The only water well pump circuits allowed to be connected to the second meter are those dedicated to the operation of a geothermal system.
3. Once second metered electric service equipment has been installed, inspected and approved, contact GLE to schedule setting the second (electric heat pump) meter. ***Please note your heat pump will not operate until the second meter is installed.***
4. **I agree that only qualifying ground or air-source heat pump loads are eligible for the discount and are to be wired to the second meter. Discovery by GLE of any other appliances/equipment, including electric water heaters, wired to the second meter will result in my immediate removal from this program. In addition, I will be responsible for paying back to GLE an amount equal to the total monetary savings I accrued from this discount. Wiring of non-qualified equipment to the second meter is considered energy theft.**
5. It is agreed that GLE has no obligation or responsibility concerning the installation or operation of the heat pump system. The cooperative shall not be liable for any economic loss or any personal discomfort sustained due to malfunction of the system. Installation and maintenance of the heat pump system is my responsibility.
6. It is agreed that the member will contact GLE if the heating system listed on this agreement is replaced. When there is a change in home ownership, the succeeding owner shall be bound by the terms and conditions of this agreement.
7. In the event this agreement is terminated, the undersigned agrees that GLE may disconnect and remove the second subtractive electric meter from the premises of the undersigned member and understands that this will result in loss of power to the heat pump system.
8. I understand that the EEH rate is subject to change by Great Lakes Energy and provides a discount of 3 cents per kilowatt-hour (kWh) for all energy used by my qualifying heat pump with the following conditions: ground source heat pumps will receive the credit 12 months per year, air-source heat pumps will receive the credit for bills rendered November through May (excluding June, July, August, September and October).

Member Signature \_\_\_\_\_ Date \_\_\_\_\_

**WIRING OF NON-QUALIFIED EQUIPMENT TO THE SECOND METER IS CONSIDERED ENERGY THEFT. SEE ITEM 5.**

Electric heat pumps that meet or exceed energy efficiency standards below are eligible for the EEH rate.

Type of Electric Heat Pump	EER	COP	
Closed Loop Water-to-Air Geothermal	17.1	3.6	
Open Loop Water-to-Air Geothermal	21.1	4.1	
Closed Loop Water-to-Water	16.1	3.1	
Geothermal Open Loop Water-to-Water	20.1	3.5	
Geothermal Direct Geexchange	16.0	3.6	
Type of Electric Heat Pump	EER2	SEER2	HSPF2
Air-Source Heat Pump Split System	12.0	14.3	7.26
Air-Source Heat Pump Central System	11.5	13.3	6.84

**EER:** Energy Efficiency Ratio

**SEER:** Seasonal Energy Efficiency Ratio

**COP:** Coefficient of Performance

**HSPF:** Heating Seasonal Performance Factor