

Water Heater & Heat Pumps- Energy Efficiency Credits

Electric Thermal Storage (ETS) and Thermal Slab Units Incentive

- Controlled Off-Peak Heating
 - \$16/kW
- Heated Floors
 - \$12/kW

Product Requirements

- Units must be controlled by timers or a master control system
- Minimum qualifying load for ETS is 1 kW

Electric Heat Pump – Air Source

PLEASE NOTE- All air-source heat pump incentives are based on the total “size” of the heat pump system’s outdoor unit or (in some cases) units, specifically the outdoor unit coil capacity in tons; while the indoor unit(s) impact the system efficiency ratings, indoor exchange unit capacities are not to be included in the total system size on the rebate application. One ton is defined as 12,000 BTUs for this purpose.

Incentive

- Tier 1- Efficient Air Source Heat Pump
 - Required HSPF ≥ 9.0 and SEER ≥ 15
 - ≤ 2 tons = \$675 (not to exceed 50% equipment cost)
 - > 2 tons = \$1800 (not to exceed 50% equipment cost)
- Tier 2 - Cold-Climate Certified Air Source Heat Pump
 - HSPF ≥ 10.0 and SEER ≥ 16 ; variable speed compressor or a minimum of 3 stages (settings for fan speed)
 - ≤ 2 tons = \$1000 (not to exceed 50% equipment cost)
 - > 2 tons = \$2400 (not to exceed 50% equipment cost)
- Air-to-water heat pump units will be taken on a case-by-case basis. Please include manufacturer, product model number, the rated capacity/size (in tons) and any efficiency specifications available.

Program staff will validate specifications and calculate rebate using the same tier structure as air source heat pumps.

- \$100/unit additional incentive for central air source with integrated controlled ETS backup in lieu of a separate ETS incentive

Product Guidelines

- Attachments- receipts (including breakout of equipment and labor); AHRI Certificate required.
- SEER is an industry performance indicator of cooling performance for air conditioners and heat pumps based on the matched set of indoor and outdoor equipment
- HSPF is an industry performance indicator of heating performance for heat pumps based on the matched set of indoor and outdoor equipment
- EER is an industry standard ratio of the cooling capacity to the power input
- COP is an industry standard ratio of useful heating or cooling provided to work required

Air Source Heat Pump Quality Install

Incentive

- Up to \$250 per installation for certified installers

Product Requirements

- Installers must complete training and complete required application to qualify for incentives
- Contact Tri-State staff to enroll interested contractors
- Installer applications must be submitted with the application for the member-consumer heat pump rebate application

Product Guidelines

- Attachments – completed forms should be attached to the heat pump application form
- Multiple units installed at one account are subject to a limit of one (1) installer incentive. Tri-State staff

should be contacted for interpretation or approval prior to installation

- Installer application spreadsheet is available on the MIC for member system,

product model number, the rated capacity/size (in tons) and any efficiency specifications available.

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Electric Heat Pump – Ground Source

Incentive

- \$500 per ton for new systems
- \$250 per ton for replacement systems
- \$100 per unit for ground source heat pump powered hot water (a.k.a. desuperheater)

Product Requirements

- EnergyStar® rating not required
- New or replacement ground source heat pumps with closed-loop or open-loop water source heat pumps qualify

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Product Guidelines

- Attachments - receipts (including breakout of equipment and labor)
- A desuperheater is an optional heat transfer device for domestic water-heating from a ground source heat pump
- Back-up and/or hot water storage tanks associated with a desuperheater are not eligible for additional rebates

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Electric Water Heaters

Incentive

- Electric Resistance Water Heater
 - \$50/unit for member system managed water heater programs or fuel-switching from natural gas or propane
 - \$30/unit for new construction
- Heat Pump Water Heater
 - \$350/unit

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Product Requirements

- Managed programs include member system led demand response control or time of use rate
- 30-gallon tank minimum
- Air-source heat pump water heaters must be EnergyStar® rated
- A unit serving as backup for another source such as solar water heating or ground-source heat pump does not qualify. Please note, desuperheater equipment incentives can be found in the ground-source heat-pump section and in the ground-source heat pump application on the MIC

Product Guidelines

- Attachments – itemized receipt
- EnergyStar® certified model number only required for Heat Pump Water Heaters
- EnergyStar® rating – A complete list of qualified heat pump water heater equipment is available at

www.energystar.gov