

RESIDENTIAL HEAT PUMP PROGRAM

New & Existing Residence



Program Details

The program is designed for residential structures ranging from single-family units through duplexes (The Single-Unit Plan) to multiple-occupancy complexes (The Multi-Unit Plan).

Customers arranging for the installation of a heat pump under the following requirements will be offered the BPU single meter rate with an appropriate electric heat rider, also known as Electric Rate 101. The home is of total electric design, or uses an add-on heat pump as the primary source of heat.

Since the third generation of electric heat pumps offer operational efficiencies nearly 2% times that of straight resistance electric heat systems, advertising and promotion for the program will center on the all-electric heat pump, and add-on heat pump (which also utilize some means of fuel-fired, backup heating equipment).

The customer or property owner is advised that installation standards are being set and a degree of quality for the heat pump work performed is sought.

Single-Unit Plan (single through duplex)

I. New Home Installations

- a. The builder, developer, or owner will be paid the rebate amount based on the tonnage and S.E.E.R. rating on the All-Electric Air-to-Air Heat Pump Rebate Schedule for each dwelling in which a total electric heat pump is installed. The same procedure is followed for each dwelling where an Add-on Air-to-Air Heat Pump is installed.

II. Existing Home Installations

- a. Incentives will be paid according to the new home installations criteria, but must be submitted with a paid invoice or receipt from a qualified HVAC.
- b. If a heat pump installation removes a gas furnace from the property, an additional \$150.00 incentive will be provided. The replacement of the gas furnace *must* be with an electric furnace or air handler.

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Multi-Unit Plan (triplex and up)

I. New Multi-Unit Installations

- a. The builder, developer, or owner will be paid for each individual heat pump with its own condenser and air handler for either total electric or add-on heat pumps, respectively.

Minimum Heat Pump Specifications

I. Approved Heat Pump Equipment

- b. Equipment installed for any BPU customer receiving an incentive shall have a minimum S.E.E.R. of 14 for Heat Pumps and 15 for Standard Central Air. These ratings must be *verifiable with A.R.I. Certificate*, if requested by BPU.
- c. Minimum rated capacity on the cooling side – 18,000 BTU or 1.5 tons
 - i. Water source, open or closed loop, heat pump (designated as HSP-W or HST-W-0 in A.R.I. (Applied Products Directory).
 - b. Seasonal C.O.P. = 4.2 or higher
 - c. Energy Efficiency Ratio (E.E.R.) = 11.2 or higher
 - ii. Self-contained, single package air-to-air heat pump system (designated HSP-A in A.R.I. directory).
 - a. 47°F C.O.P. = 3.0 or higher
 - b. E.E.R. = 10.5 or higher
 - c. Minimum rated capacity on the cooling side – 18,000 BTU or 1.5 tons
 - iii. Insulation is recommended to be R-39 in accessible attic areas.

Dealer Qualifications

Heat pumps, whether standard total electric or the type that adds on to a flame-fired furnace or electric furnace, are devices which require special care in installation. In general, BPU recommends that a licensed dealer/contractor, trained in heat pump installation, install any heat pump system for customers requesting the heat pump purchase incentive.