

KANSAS CITY BOARD OF PUBLIC UTILITIES

COMMERCIAL HEATING PROGRAM

The Electric Heat Program for New and Existing Commercial Customers



Program Details

This program is designed to accelerate the acceptance of electric space heating in new and existing commercial buildings within the BPU service territory.

The program will center on all forms of electric heat used for space conditioning and will not focus on one type. This is because of the excellent adaptability of zonal electric resistance heating systems to commercial operations, as well as a third generation of electric heat pumps, which offer operational efficiencies almost 2½ times that of straight resistance heating systems.

Customers arranging for the installation of electric heating systems under the following guidelines will be offered the appropriate BPU single meter rate with appropriate electric heat rider.

I. New Building Installations

- The developer, builder or owner will be paid \$50.00 per ton for each heat pump installed; or
- The developer, builder or owner will be paid \$10.00 per kW for resistance heating system installed.
- The developer, builder or owner must adhere to the Kansas Minimum Thermal Standards, not to exceed 35 BTUs per square foot, and submit a heat loss/heat gain calculation for the incentive to be paid, or present a certified load calculation from the project's engineer, stating the heating load and type of system used.

*Electric resistance will not be paid when resistance heat is used as backup or emergency heat.

**If resistance heat is designed to operate in tandem with heat pump installations, the customer may receive both incentives. When this is the case, it must be reflected in the heat loss/heat gain calculation, stating the manner of control and operation, or stated by the project's engineer.

II. Existing Building Installation

- Incentives will be paid according to the criteria set forth under new building installations.

*Kansas Minimum Thermal Standards will not be required, but heat loss/heat gain calculations, or certified load calculations from the project's engineer must be submitted in order for the incentive to be paid.

III. Heating Equipment Specifications

- All equipment installed for any BPU customer receiving an incentive shall be U.L. listed.

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IV. Installation Recommendations

A set-back/set-up thermostat should be installed with the heat pump package. The device shall be a microprocessor type that can lessen the use of excess resistance heat. This device gradually “ramps” the temperature up from the heating set back point, normally utilizing only the heat obtained from compressor operation; or in larger commercial buildings, an energy management system should be installed, particularly when the building has areas of use designed for different working applications.

Hard start gear will either be an integral part of the heat pump equipment or be added as a field modification.

Design heat loss/heat gain should not exceed 35 BTUs per square foot. Building construction must meet Kansas Minimum Thermal Standards criteria.

V. Existing Buildings (Non-mandatory)

A set-back/set-up thermostat should be installed with the heat pump package. The device shall be a microprocessor type that can lessen the use of excess resistance heat. This device gradually “ramps” the temperature up from the heating set back point, normally utilizing only the heat obtained from compressor operation; or in larger commercial buildings, an energy management system should be installed, particularly when the building has areas of use designed for different working applications.

Hard start gear will either be an integral part of the heat pump equipment or be added as a field modification.

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