

BLACK HILLS POWER, INC.
SD PUC DOCKET: EL 15-044
ENERGY EFFICIENCY PROGRAM, TARIFFS, COST RECOVERY MECHANISM

REQUEST DATE : November 25, 2015

RESPONSE DATE : December 3, 2015

REQUESTING PARTY: SDPUC Staff

SDPUC Request No. 1-13:

In the residential HVAC program, please provide justification for the \$60 Central A/C rebate, \$50 Ductless Mini-Split AC rebate, and \$50 Ductless Mini-Split HP rebate. In particular please provide the estimated total incremental cost to customers that these rebates are intended to off-set.

Response to SDPUC Request No. 1-13:

The proposed rebates are in line with what other utilities are offering elsewhere for the same technologies. The incremental costs of the qualifying Residential HVAC measures are shown in the table below. The incremental costs for the CAC, Heat Pump and Geothermal Heat Pump are based on a 3-ton unit.

Measure	Incremental Cost
Heat Pump SEER 15	\$294
Early Retirement Heat Pump SEER 15	\$2,480
Heat Pump SEER 15 Replace Electric Furnace	\$4,554
CAC SEER 15	\$238
Ductless Mini-Split AC SEER \geq 19	\$300
Ductless Mini-Split HP SEER \geq 19	\$716
Heat Pump Water Heater	\$700
Electric Storage Water Heater EF 0.95	\$51
Electric Storage Water Heater EF $>$ 0.95	\$51
Geothermal EER \geq 21	\$2,314
Early Retirement Geothermal EER \geq 21	\$4,500

Attachments: None