

OTTER TAIL POWER COMPANY
Docket No. EL13-016

Response to: South Dakota Public Utilities Commission
Analyst: SDPUC Staff
Date Received: 7/10/2013
Date Due: 8/2/2013
Date of Response: 07/25/2013
Responding Witness: Kim Pederson, Manager Market Planning - (218) 739-8303

Information Request No: SD-PUC-01-09

How is the dollar amount for an individual heat pump incentive calculated?

RESPONSE:

The rebate for air source heat pumps is \$160 per ton. A rebate based on a 4 ton air-source heat pump is calculated as follows: $\$160 \times 4 \text{ tons} = \640 .

Geothermal heat pump rebate are higher because the energy savings are much greater and the cost for installation is much higher. Rebates for geothermal heat pumps are \$350 per ton. A rebate based a 4 ton geothermal heat pump is calculated as follows: $\$350 \times 4 \text{ tons} = \$1,400$.

Air-source heat pumps must meet these Energy Star ratings to qualify for a rebate:

- Split-system installations rated with 14.5 or greater SEER, 12.0 EER, and 8.2 or great HSPF.
- Package-terminal heat pump installations rated with 11.0 or greater EER.

Geothermal heat pumps must meet the following to qualify for a rebate:

Type	COP	
	Open	Closed
Water to air	4.1	3.6
Water to water	3.5	3.1
Direct exchange	3.6	