

OTTER TAIL POWER COMPANY  
Docket No: EL19-020

Response to: South Dakota Public Utilities Commission  
Analyst: SDPUC Staff  
Date Received: 05/08/2019  
Date Due: 05/22/2019  
Date of Response: 05/22/2019  
Responding Witness: Jason A. Grenier, Manager Market Planning - (218) 739-8639

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Data Request:

Refer to Appendix A, Table 3, explain why the residential Geothermal Heat Pumps' TRC dipped below 1.0 in 2018.

Attachments: 1

Attachment 1 to DR SD-PUC-01-10.pdf

Response:

Due to this data request, Otter Tail discovered an error in the calculation of the demand savings causing the demand savings and, thus, the benefits to be lower. In 2018 Otter Tail revised the calculation of kWh and kW savings away from an average per ton based on the historical Coefficient of Performance (COP) and Energy Efficiency Ratio (EER) ratings of geothermal heat pump systems installed to using the actual COP and EER ratings from installed equipment at the location. Otter Tail also discovered the net benefits for the Custom Efficiency Projects program had been understated. Attachment 1 to DR SD-PUC-01-10 includes corrected Appendix A, tables 1-4.