

OTTER TAIL POWER COMPANY  
Docket No: EL16-020

Response to: South Dakota Public Utilities Commission  
Analyst: SDPUC Staff  
Date Received: 09/08/2016  
Date Due: 09/23/2016  
Date of Response: 09/23/2016  
Responding Witness: Jason A. Grenier, Manager Market Planning - (218) 739-8639

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Information Request:

Please provide the DSMore models used to produce the Benefit/Cost results stated in Attachment A.

Attachments: 4

Attachment 1 to IR SD-PUC-01-04 (Revised Appendix A Tables).pdf  
Attachment 2 to IR SD-PUC-01-04 (2017 SD DSMore Models).pdf  
Attachment 3 to IR SD-PUC-01-04 (2018 SD DSMore Models).pdf  
Attachment 4 to IR SD-PUC-01-04 (2019 SD DSMore Models).pdf

Response:

Since our initial filing, Otter Tail has discovered several adjustments to the DSMore models and Benefit/Cost ratios that should be included in the record. A description of these adjustments is included in this response.

1. Otter Tail incorrectly included winter generation capacity benefits as part of our evaluations for the Residential Air Source Heat Pump and Residential Geothermal Heat Pump programs.
2. Otter Tail did not account for all customers participating in the short-duration cycling control rates in the Air Conditioning Control program. Otter Tail included 177 customers in the program but has included a revision to correct this to 661 customers participating. Please see IR SD-PUC-01-11 for further discussion regarding participation in the Air Conditioning Control program.
3. Otter Tail did not recognize winter transmission and distribution system benefits in the following programs:
  - Residential Geothermal Heat Pumps.
  - Commercial Geothermal Heat Pumps.

Please see Attachment 1 to IR SD-PUC-01-04 for the revised Appendix A tables.

For the DSMore models used to produce the Benefit/Cost results from the revised Appendix A tables for 2017, 2018, and 2019, please see Attachments 2, 3, and 4, respectively, to IR SD-PUC-01-04.