

OTTER TAIL POWER COMPANY
Docket No: EL17-003

Response to: South Dakota Public Utilities Commission
Analyst: SDPUC Staff
Date Received: 01/20/2017
Date Due: 02/03/2017
Date of Response: 02/03/2017
Responding Witness: Svetlana Fedje, Pricing Analyst - (218) 739-8799

Information Request:

Provide a list of all inputs and assumptions used in the model to determine the avoided energy costs. Also, provide the source/basis for each input/assumption and indicate any that are required by other jurisdictions.

Attachments: 0

Response:

As was discussed in the phone conversation with Eric Paulson on 1-24-17, Otter Tail's 2016 Integrated Resource Plan (IRP) was used as the basis for determining the avoided energy costs. There are numerous inputs into the resource plan. Customer energy and demand forecasts (including load shape profiles) are the starting point for assessing the needs. The existing generation fleet have a number of inputs (heat rates, planned plant outages, fixed and variable operations and maintenance, wind generation profile shapes). Otter Tail used Wood Mackenzie for some key inputs into the resource plan, namely, the natural gas price forecast, the capacity price forecast, and the market energy price forecast. The above listed inputs are described in greater detail in appendix F of the 2016 IRP.