

OTTER TAIL POWER COMPANY
Docket No: E017/RP-16-386

Response to: Minnesota Public Utilities Commission

Analyst: Sean Stalpes

Date Received: 10/28/2019

Date Due: 11/07/2019

Date of Response: 10/30/2019

Responding Witness: Brian Draxten, Manager Resource Planning - (218) 739-8417

Information Request:

Please refer to the Load & Capability table on page 6 of OTP's August 29, 2019 extension request.

- a. According to page 7 of the extension request, for its PRMR calculation, Otter Tail assumes a 0.91 coincident factor and an 8 percent reserve margin. Please provide five years of annual data (Planning Year 2015-16 – 2019-20) for Otter Tail's coincident factor and % reserve margin.
- b. In the purchased capacity row, OTP includes 60 MW of purchases in 2020, and 10 MW thereafter. Which bilateral contracts comprise these amounts?
- c. What is Otter Tail's Winter Peak in the 2020-2029 timeframe?
- d. Would Otter Tail assume the same Net EE Reduction in the Winter as the Summer? Please explain.

Attachments: 0

Response:

a.

Planning Year	Coincident Factor	Planning Reserve Margin
2015-2016	0.91758	7.1%
2016-2017	0.91758	7.6%
2017-2018	0.91278	7.8%
2018-2019	0.90727	8.4%
2019-2020	0.90808	7.9%

- b. The 60 MW of purchases in 2020 is comprised of a 50 MW bilateral capacity purchase (expiring in May 2021) as well as 10 MW of Load Modifying Resource (LMR) purchases from various sources.
- c. Below is a table that shows Otter Tail’s forecasted winter peak for the next 10 years. Although our winter peak is much higher than our summer peak, we have roughly 115 MW of controllable load that is available in the winter. The values in the table are our uncontrolled peaks, meaning in high price or emergency situations we could reduce those peaks by 115 MW.

Year	Winter Peak (MW)
2020	959
2021	1,004
2022	1,011
2023	1,015
2024	1,019
2025	1,022
2026	1,026
2027	1,030
2028	1,034
2029	1,038

- d. In our modeling we assume that EE reduction is proportional to load. Because our winter peak is higher than our summer peak, we would assume that the winter “Net EE Reduction” would be proportionally higher as well.