

OTTER TAIL POWER COMPANY  
Docket No: EL22-001

Response to: SD Public Utilities Commission  
Analyst: Pat Steffensen  
Date Received: February 03, 2022  
Date Due: February 17, 2022  
Date of Response: February 15, 2022  
Responding Witness: Svetlana Fedje, Pricing Analyst - (218) 739-8799

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Data Request:

Provide the 10-year load forecast and corresponding Otter Tail capacities referenced on page 3 of the Petition.

Attachments: 0

Response:

Otter Tail provides Table 3-2 from its Integrated Resource Plan Initial Filing<sup>1</sup> below. This table provides our current resource position. Table 3-2 provides the Company's summer season resource needs showing the Company's projected load and capability according to the MISO Module E rules for resource adequacy. The total accredited capacities, shown as Zonal Resource Credits (ZRCs), represent the MISO's capacity ratings for the Company's resources based on the 2021 planning year accreditation levels.

As shown in Table 3-2, Line No. 15, Otter Tail has excess capacity for the 2022-2036 time period.

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<sup>1</sup> Otter Tail's September 1, 2021, Initial Filing *In the Matter of Otter Tail Power Company's Submittal of its 2022-2036 Integrated Resource Plan* in Case No. PU-21-380, Table 3-2, Line No. 15 of the Resource Plan.

**Table 3-2: Summer 2022-2036 Base Case Projected Load and Capability Prior to Preferred Resource Plan**

Line No.	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
1	<b>Forecasted Load</b>	672.0	675.6	679.2	682.8	686.4	690.0	693.6	697.3	700.9	704.6	708.3	712.0	715.7	719.5	723.2
2	<b>Transmission Losses</b>	39.0	38.8	38.6	38.6	38.6	38.6	38.5	38.4	38.4	38.5	38.6	38.4	39.0	39.5	40.0
3	<b>Net CIP Demand Reduction</b>	12.3	23.1	32.8	38.7	44.7	51.4	58.2	64.9	70.9	74.2	77.4	89.2	80.1	72.6	66.2
4	<b>Total Forecasted Load</b>	698.8	691.4	685.1	682.7	680.3	677.1	674.0	670.8	668.4	668.9	669.5	661.2	674.6	686.3	697.1
5	<b>MISO Coincident Factor</b>	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%
6	<b>Coincident Load</b>	635.9	629.2	623.4	621.3	619.1	616.2	613.3	610.4	608.2	608.7	609.2	601.7	613.9	624.6	634.3
7	<b>MISO Planning Reserve</b>	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%	9.4%
8	<b>Total Obligation</b>	695.6	688.3	682.0	679.6	677.3	674.1	671.0	667.8	665.4	666.0	666.5	658.2	671.6	683.3	694.0
9	<b>Coal</b>	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
10	<b>Natural Gas / Oil</b>	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	344.3	286.7	286.7	286.7	286.7
11	<b>Wind</b>	82.3	82.3	82.3	82.3	82.3	82.3	82.3	78.7	78.7	78.7	78.7	74.0	74.0	74.0	74.0
	<b>Solar</b>	0.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
	<b>Hydro</b>	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
12	<b>Purchased*</b>	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
13	<b>Load Management</b>	16.0	16.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0
14	<b>Total ZRCs</b>	819.1	831.4	831.4	832.4	833.4	834.4	835.4	832.8	833.8	834.8	835.8	774.4	775.4	776.4	777.4
<i>*Co-generation, Co-Op Shared, and WAPA</i>																
15	<b>Net (Line 14 - Line 8)</b>	123.5	143.0	149.3	152.7	156.1	160.2	164.4	164.9	168.3	168.8	169.3	116.2	103.9	93.2	83.5