OTTER TAIL POWER COMPANY ELECTRIC UTILITY - STATE OF SOUTH DAKOTA RATE BASE SCHEDULES SUMMARY OF RATE BASE JURISDICTIONAL ALLOCATION FACTORS

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The allocation factors on this page were used to determine South Dakota jurisdictional rate base amounts for all of the years presented in these schedules. Accounts not on this page have been directly assigned to jurisdictions.

Descriptions under the Allocation Factor column with a / means the first method was used in historic actual and projected, the method after the / is used in the test year.

The following allocation factors are used to compute Minnesota jurisdictional amounts for Plant-in-Service, Accumulated Depreciation, Accumulated Deferred Income Tax and Construction Work in Progress.

For a full description of each allocation factor, see OTP's Cost Allocation Procedure Manual for Jurisdictional, OTP witness Annalise M. Smith testimony, Exhibit___AMS-1, Schedule 2 and Class Cost of Service Studies, Volume 4a Section F. Schedule 1

	Section E Schedule 1.	,
Lin	Description	Allocation Basis
-	Description	Allocation basis
	RATE BASE COMPONENT	ALLOCATION FACTOR
1	Electric Plant in Service	
2	Production Plant	
3	Base Demand	kWh Sales Factor (E1)
4	Peak Demand	Generation Demand Factor (D1)
5	Base Energy	kWh Sales Factor (E2)
6	Transmission Plant	Direct Assignment/Transmission Demand Factor (D2)
7	Distribution Plant	
8	Primary Demand	Distribution Primary Demand Factor (D3)
9	Secondary Demand	Distribution Secondary Demand Factor (D4)
10	Primary Customer	Total Retail Service Locations Factor (C2)
11	Secondary Customer	Total Secondary Retail Service Location Factor (C3)
12	Street Lighting	Streetlight Factor (C4)
13	Area Lighting	Area Light Factor (C5)
14	Meters	Meter Factor (C6)
15	Load Management	Load Management Factor (C9)
17	General Plant	
18	Production	Gross Production Plant in Service Ratio (P10)
19	Transmission	Gross Transmission Plant in Service Ratio (D2)
20	Distribution	Gross Distribution Plant in Service Ratio (P60)
21	Customer Accounts	Customer Accounts Expense Ratio (OXC)
22	Customer Service & Info.	Customer Service & Info, Expense Ratio (OXI)
23	Load Management	Load Management Factor (C9)
24	Intangible Plant	Gross General Plant in Service Ratio (P90)
25	Accumulated Provision for Depreciation	
26	Production Plant	
27	Base Demand	kWh Sales Factor (E1)
28	Peak Demand	Generation Demand Factor (D1)
29	Base Energy	kWh Sales Factor (E2)
30	Transmission Plant	Direct Assignment/Transmission Demand Factor (D2)
31	Distribution Plant	Gross Distribution Plant in Service Ratio (P60)
32	General Plant	Gross General Plant in Service Ratio (P90)
33	Intangible Plant	Gross General Plant in Service Ratio (P90)

OTTER TAIL POWER COMPANY ELECTRIC UTILITY - STATE OF SOUTH DAKOTA RATE BASE SCHEDULES SUMMARY OF RATE BASE JURISDICTIONAL ALLOCATION FACTORS

36

37

38

Federal

Minnesota

North Dakota

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Line		
No.	RATE BASE COMPONENT	ALLOCATION FACTOR
$\frac{1}{2}$	Electric Plant Held for Future Use Production Plant	Cross Production Plant in Comics Patie (P10)
3	Transmission Plant	Gross Production Plant in Service Ratio (P10) Transmission Demand Factor (D2)
3 4	Distribution Plant	Gross Distribution Plant in Service Ratio (P60)
5	General Plant	Gross General Plant in Service Ratio (P90)
6	Intangible Plant	Gross General Plant in Service Ratio (1990)
-		
7	Construction Work in Progress — Short Term	
8	Production Plant	Gross Production Plant in Service Ratio (P10)
9	Transmission Plant	Direct Assignment/Transmission Demand Factor (D2)
10	Distribution Plant	Gross Distribution Plant in Service Ratio (P60)
11	General Plant	Gross General Plant in Service Ratio (P90)
12	Intangible Plant	Gross General Plant in Service Ratio (P90)
13	Construction Work in Progress — Long Term	
14	Production Plant	Gross Production Plant in Service Ratio (P10)
15	Transmission Plant	Transmission Demand Factor (D2)
16	Distribution Plant	Gross Distribution Plant in Service Ratio (P60)
17	General Plant	Gross General Plant in Service Ratio (P90)
18	Intangible Plant	Gross General Plant in Service Ratio (P90)
19		
20	Production	Gross Production Plant in Service Ratio (P10)
21	Transmission	Transmission Demand Factor (D2)
22	Distribution	Gross Distribution Plant in Service Ratio (P60)
23	Fuel Stocks	
24	Coal Stocks	kWh Sales Factor (E1)
25	Fuel Oil Stocks	Generation Demand Factor (D1)
_0	Tuoi on stocks	Generation Demand Factor (DT)
26	Prepayments	Total Net Plant in Service Ratio (NEPIS)
		m . lay . pl
27	Customer Advances	Total Net Plant in Service Ratio (NEPIS)
28	Cash Working Capital	Separately Calculated by Jurisdiction
29	Accumulated Deferred Income Taxes	
30	Items South Dakota flows through:	
31	Federal	Total Net Plant in Service Ratio (NPMNR)
32	Minnesota	Total Net Plant in Service — MN Ratio (NPISM)
33	North Dakota	Total Net Plant in Service — ND Ratio (NPISN)
34	All Other:	
35	All Other: Federal	Total Net Plant in Service Except Direct Assignment Ratio (NEPIS EXDA)
55	reuerar	Total Net I fait in Service Except Direct Assignment Ratio (NEF13 EADA)

Direct Assignment

Total Net Plant in Service — MN Ratio (NPISM)
Total Net Plant in Service — ND Ratio (NPISN)

OTTER TAIL POWER COMPANY
ELECTRIC UTILITY - STATE OF SOUTH DAKOTA
RATE BASE SCHEDULES
RATE BASE JURISDICTIONAL ALLOCATION FACTORS
ALLOCATORS - DEMAND, ENERGY AND CUSTOMER

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2024 Regulatory Year

			2023 Regulatory Tear			2024 Regulatory Tear	
		(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Description	Total	South Dakota Jur	All Other	Total	South Dakota Jur	All Other
1	E1 - MWH Consumption at Generators - Partial Factor						
2	Allocated Amount	5,754,711	521,033	5,233,678	5,724,446	560,719	5,161,060
3	Percentage	100.000000%	9.054025%	90.945975%	100.000000%	9.795166%	90.158244%
4							
5	E2 - MWH Consumption at Generators - Total Factor						
6	Allocated Amount	6,291,286	557,180	5,734,106	6,179,614	591,418	5,585,529
7	Percentage	100.000000%	8.856377%	91.143623%	100.000000%	9.570468%	90.386374%
8							
9	D1 - Generation Demand Factor						
10	Allocated Amount	698,243	71,037	627,206	754,764	81,229	672,975
11	Percentage	100.000000%	10.173679%	89.826321%	100.000000%	10.762172%	89.163633%
12							
13	D2 - Transmission Demand Factor						
14	Allocated Amount	703,232	71,037	632,195	759,547	81,229	672,975
15	Percentage	100.000000%	10.101503%	89.898497%	100.000000%	10.694401%	88.602154%
16							
17	D3 - Distribution - Primary Demand Factor						
18	Allocated Amount	833,892	99,808	734,084	842,247	106,166	730,975
19	Percentage	100.000000%	11.968936%	88.031064%	100.000000%	12.605091%	86.788674%
20							
21	D4 - Distribution - Secondary Demand Factor						
22	Allocated Amount	1,046,407	120,468	925,939	1,086,251	118,017	968,234
23	Percentage	100.000000%	11.512538%	88.487462%	100.000000%	10.864616%	89.135384%
24							
25	C1 - Total Retail Customers Factor						
26	Allocated Amount	134,757	11,930	122,827	134,712	11,997	122,715
27	Percentage	100.000000%	8.852972%	91.147028%	100.000000%	8.905665%	91.094335%
28							
29	C2 - Retail Service Locations Factor						
30	Allocated Amount	135,733	12,043	123,690	135,315	12,084	123,227
31	Percentage	100.000000%	8.872566%	91.127434%	100.000000%	8.930274%	91.066770%
32							
33	C3 - Secondary Service Locations Factor						
34	Allocated Amount	135,695	12,036	123,659	135,277	12,078	123,199
35	Percentage	100.000000%	8.869892%	91.130108%	100.000000%	8.928347%	91.071653%
36							
37	C4 - Street Lighting Factor						
38	Allocated Amount	14,586,956	1,232,722	13,354,234	14,639,968	1,068,174	13,571,794
39	Percentage	100.000000%	8.450852%	91.549148%	100.000000%	7.296286%	92.703714%
40							
41	C5 - Area Lighting Factor						
42	Allocated Amount	10,185,838	870,722	9,315,116	10,319,590	812,156	9,507,434
43	Percentage	100.000000%	8.548359%	91.451641%	100.000000%	7.870041%	92.129959%
44							
45	C6 - Meter Factor						
46	Allocated Amount	57,578,353	5,297,726	52,280,627	62,333,932	5,807,378	56,526,554
47	Percentage	100.000000%	9.200899%	90.799101%	100.000000%	9.316560%	90.683440%
48							
49	C7 - Meter Reading Factor						
50	Allocated Amount	206,831	18,451	188,380			
51	Percentage	100.000000%	8.920810%	91.079190%			
52							
53	C8 - System Service Locations Factor						
54	Allocated Amount	135,740	12,042	123,698	135,323	12,084	123,235
55	Percentage	100.000000%	8.871372%	91.128628%	100.000000%	8.929746%	91.067298%
56							
57	C9 - Load Management Factor						
58	Allocated Amount	42,034	4,050	37,984	42,158	4,062	38,096
59	Percentage	100.000000%	9.635057%	90.364943%	100.000000%	9.635182%	90.364818%
60							

2023 Regulatory Year

OTTER TAIL POWER COMPANY
ELECTRIC UTILITY - STATE OF SOUTH DAKOTA
RATE BASE SCHEDULES
RATE BASE JURISDICTIONAL ALLOCATION FACTORS
ALLOCATORS - GENERAL PLANT, O&M EXPENSE AND TAXES

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		2023 Regulatory Year		2024 Regulatory Year			
		(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Description	Total	South Dakota Jur	All Other	Total	South Dakota Jur	All Other
1	P10 - Production Plant Factor					-	
2	Allocated Amount	1,403,960,065	129,875,952	1,274,084,113	1,367,187,192	126,441,265	1,240,745,926
3	Percentage	100.000000%	9.250687%	90.749313%	100.000000%	9.248277%	90.751723%
4	DO DI II II DI LE L						
5 6	P60 - Distribution Plant Factor Allocated Amount	636,692,495	67,020,171	569,672,325	702,190,117	72,938,657	629,251,460
7	Percentage	100.000000%	10.526301%	89.473699%	100.000000%	10.387309%	89.612691%
8	rettentage	100.000000%	10.52050170	09. 1 /3099/0	100.00000070	10.36/309/6	09.01209170
9	P90 - General Plant Factor						
10	Allocated Amount	114,092,007	11,028,509	103,063,498	120,922,962	11,780,053	109,142,909
11	Percentage	100.000000%	9.666329%	90.333671%	100.000000%	9.741783%	90.258217%
12							
13	EPIS - Electric Plant in Service Factor						
14	Allocated Amount	2,966,627,892	254,879,280	2,711,748,612	3,042,157,494	265,300,288	2,776,857,206
15	Percentage	100.000000%	8.591549%	91.408451%	100.000000%	8.720794%	91.279206%
16	Avenue av . W I. M I. O. I. W						
17	NEPIS - Net Electric Plant in Service Factor	4 00= 400 =04	457.540.00		4 000 404 9990	444.044.000	4 000 = 4= 0=0
18 19	Allocated Amount	1,927,100,794 100.000000%	156,746,043	1,770,354,751 91.866225%	1,989,406,772	166,861,722 8.387512%	1,822,545,050 91.612488%
20	Percentage	100.000000%	8.133775%	91.806225%	100.000000%	8.38/312%	91.012488%
21	NEPIS EXDA - Net Electric Plant in Service With FERC removed Factor						
22	Allocated Amount	1,609,931,547	155,924,698	1,454,006,849	1,720,758,304	166,092,617	1,554,665,687
23	Percentage	100.000000%	9.685176%	90.314824%	100.000000%	9,652292%	90.347708%
24						*****	
25	OXPD - Production Expense (Excl Energy) Factor						
26	Allocated Amount	22,662,954	2,127,290	20,535,664	24,950,367	2,331,710	22,618,657
27	Percentage	100.000000%	9.386640%	90.613360%	100.000000%	9.345395%	90.654605%
28							
29	OXD - Distribution Expense Factor						
30	Allocated Amount	20,135,961	2,094,680	18,041,282	19,319,587	2,004,953	17,314,634
31	Percentage	100.000000%	10.402681%	89.597319%	100.000000%	10.377824%	89.622176%
32 33	OXC - Customer Accounts Expense Factor						
33 34	Allocated Amount	14,668,292	1,304,283	13,364,010	12,413,942	1,203,997	11,209,945
35	Percentage	100.000000%	8.891851%	91.108149%	100.000000%	9.698751%	90.301249%
36	rettentage	100.000000%	0.09100170	91.10014970	100.00000070	9.090/31/0	90.30124970
37	OXI - Customer Service & Information Expense Factor						
38	Allocated Amount	2,694,597	238,552	2,456,045	1,687,015	150,228	1,536,786
39	Percentage	100.000000%	8.852972%	91.147028%	100.000000%	8.904989%	91.095011%
40							
41	NPISM - Other Deferred Income Tax Minnesota Factor						
42	Allocated Amount	789,968,032		789,968,032	826,560,714		826,560,714
43	Percentage	100.000000%		100.000000%	100.000000%		100.000000%
44	where of party and party and						
45	NPISN - Other Deferred Income Tax North Dakota Factor	(50.050.5(/		(50.050.544	E07 447 445		FOC 44C 44F
46 47	Allocated Amount	673,353,566 100.000000%		673,353,566 100,000000%	736,446,445 100.000000%		736,446,445 100,000000%
48	Percentage	100.000000%		100.000000%	100.000000%		100.000000%
49	NPMNR - Other Deferred Income Tax Excluding South Dakota Factor						
50	Allocated Amount	1,770,354,751		1,770,354,751	1,822,545,050		1,822,545,050
51	Percentage	100.000000%		100.000000%	100.000000%		100.000000%
52	· ·· ·····						
53	LRE - Labor and Related Expense Factor						
54	Allocated Amount	150,916,902	14,438,908	136,477,994	151,914,323	14,555,034	137,359,289
55	Percentage	100.000000%	9.567456%	90.432544%	100.000000%	9.581081%	90.418919%
56							

OTTER TAIL POWER COMPANY
ELECTRIC UTILITY - STATE OF SOUTH DAKOTA
RATE BASE SCHEDULES
RATE BASE JURISDICTIONAL ALLOCATION FACTORS
ALLOCATORS - DEMAND, ENERGY AND CUSTOMER

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			2024 Test Year	
		(A)	(B)	(C)
Line No.	Description	Total	South Dakota Jur	All Other
1	E1 - MWH Consumption at Generators - Partial Factor			
2	Allocated Amount	5,724,446	560,719	5,163,72
3	Percentage	100.000000%	9.795166%	90.204
4				
5	E2 - MWH Consumption at Generators - Total Factor			
6	Allocated Amount	6,179,614	591,418	5,588,19
7	Percentage	100.000000%	9.570468%	90.429
8				
9	D1 - Generation Demand Factor			
10	Allocated Amount	754,764	81,229	673,5
11	Percentage	100.000000%	10.762172%	89.237
12				
13	D2 - Transmission Demand Factor			
14	Allocated Amount	759,547	81,229	678,3
15	Percentage	100.000000%	10.694401%	89.305
16				
17	D3 - Distribution - Primary Demand Factor			
18	Allocated Amount	842,247	106,166	736,08
19	Percentage	100.000000%	12.605091%	87.394
20				
21	D4 - Distribution - Secondary Demand Factor			
22	Allocated Amount	1,086,251	118,017	968,23
23	Percentage	100.000000%	10.864616%	89.135
24	rereentage	100.00000070	10.00 1010/0	07.100
25	C1 - Total Retail Customers Factor			
26	Allocated Amount	134,712	11,997	122,7
27	Percentage	100.000000%	8.905665%	91.094
28	retentage	100.00000070	3.70300370	71.074
29	C2 - Retail Service Locations Factor			
30	Allocated Amount	135,315	12,084	123,2
31		100.000000%	8.930274%	91.069
32	Percentage	100.000000%	8.9302/4%	91.009
33	CO Complement I and the France			
33 34	C3 - Secondary Service Locations Factor	125 277	19.079	100 1
	Allocated Amount	135,277 100.000000%	12,078	123,1
35	Percentage	100.000000%	8.928347%	91.071
36	CA CL IT'IL' E			
37	C4 - Street Lighting Factor	14 (90 0(0	1.000.174	10 551 5
38	Allocated Amount	14,639,968	1,068,174	13,571,79
39	Percentage	100.000000%	7.296286%	92.703
40	on a state of a			
41	C5 - Area Lighting Factor	10.010.500	010.154	0.505.4
42	Allocated Amount	10,319,590	812,156	9,507,4
43	Percentage	100.000000%	7.870041%	92.130
44				
45	C6 - Meter Factor			
46	Allocated Amount	62,333,932	5,807,378	56,526,5
47	Percentage	100.000000%	9.316560%	90.683
48				
49	C7 - Meter Reading Factor			
50	Allocated Amount			
51	Percentage			
52				
53	C8 - System Service Locations Factor			
54	Allocated Amount	135,323	12,084	123,2
55	Percentage	100.000000%	8.929746%	91.070
56				
57	C9 - Load Management Factor			
58	Allocated Amount	42,158	4,062	38,0
59	Percentage	100.000000%	9.635182%	90.364
59				

OTTER TAIL POWER COMPANY
ELECTRIC UTILITY - STATE OF SOUTH DAKOTA
RATE BASE SCHEDULES
RATE BASE JURISDICTIONAL ALLOCATION FACTORS
ALLOCATORS - GENERAL PLANT, O&M EXPENSE AND TAXES

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2024 Test Year

			2024 Test Year	
		(A)	(B)	(C)
ne No.	Description	Total	South Dakota Jur	All Other
1	P10 - Production Plant Factor	•	•	
2	Allocated Amount	1,580,047,994	157,720,724	1,422,327,269
3	Percentage	100.000000%	9.982021%	90.01798%
4	· ·			
5	P60 - Distribution Plant Factor			
6	Allocated Amount	732,205,912	76,982,984	655,222,928
7	Percentage	100.000000%	10.513844%	89.48616%
8	·			
9	P90 - General Plant Factor			
10	Allocated Amount	125,655,785	12,664,103	112,991,681
11	Percentage	100.000000%	10.078409%	89.92159%
12	Torontago	100.00000070	10107010770	0313210370
13	EPIS - Electric Plant in Service Factor			
14	Allocated Amount	3,312,121,209	308,514,500	3,003,606,709
15	Percentage	100.000000%	9.314710%	90.68529%
16	rercentage	100.000000%	9.314/10%	90.0032970
17	NEPIS - Net Electric Plant in Service Factor			
18	Allocated Amount	0.077.010.000	207 127 722	0.071.177.000
18 19		2,277,312,980	206,136,682	2,071,176,298
	Percentage	100.000000%	9.051750%	90.94825%
20				
21	NEPIS EXDA - Net Electric Plant in Service With FERC removed Factor			
22	Allocated Amount	1,720,764,568	176,240,838	1,544,523,730
23	Percentage	100.000000%	10.242008%	89.75799%
24				
25	OXPD - Production Expense (Excl Energy) Factor			
26	Allocated Amount	171,979,237	16,794,446	155,184,791
27	Percentage	100.000000%	9.765392%	90.23461%
28				
29	OXD - Distribution Expense Factor			
30	Allocated Amount	25,094,893	2,638,885	22,456,008
31	Percentage	100.000000%	10.515625%	89.48437%
32				
33	OXC - Customer Accounts Expense Factor			
34	Allocated Amount	8,618,887	769,645	7,849,242
35	Percentage	100.000000%	8.929746%	91.07025%
36	·			
37	OXI - Customer Service & Information Expense Factor			
38	Allocated Amount	1,790,806	159,483	1,631,322
39	Percentage	100.000000%	8,905665%	91.09433%
40	Torontago	100.00000070	0.30000030	72.07.0070
41	NPISM - Other Deferred Income Tax Minnesota Factor			
42	Allocated Amount			
43	Percentage			
44	reicentage			
	AMBIENT OIL D.C. II. W. M. ALD L. E.			
45	NPISN - Other Deferred Income Tax North Dakota Factor	500 505 000		700 70F 000
46	Allocated Amount	729,735,008		729,735,008
47	Percentage	100.000000%		100.00000%
48				
49	NPMNR - Other Deferred Income Tax Excluding South Dakota Factor			
50	Allocated Amount	2,071,176,298		2,071,176,298
51	Percentage	100.000000%		100.00000%
52				
J2	IDE Ishan and Dalated Famous France			
	LRE - Labor and Related Expense Factor			
53	Allocated Amount	309,008,884	30,630,053	278,378,831
53 54 55	•	309,008,884 100.000000%	30,630,053 9.912354%	278,378,831 90.08765%