PUBLIC - TRADE SECRET DATA HAS BEEN EXCISED

Otter Tail Power Company
South Dakota Transmission Cost Recovery Rider
Cass Lake - Bemidji Revenue Requirements
Docket No. EL15-

Line No.		Year>>	2015 Actual March	2015 Actual April	2015 Actual May	2015 Actual June	2015 Actual July	2015 Actual August	2015 Actual September	2015 Projected October	2015 Projected November	2015 Projected December	2015 Projected Total	2016 Projected January	2016 Projected February
	RATE BASE														
1	Plant Balance		7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948
2	Accumulated Depreciation		(284,793)	(294,040)	(303,288)	(312,535)	(321,783)	(331,030)	(340,277)	(349,525)	(358,772)	(368,020)	(368,020)	(377,267)	(386,515)
3	Net Plant in Service		6,755,155	6,745,907	6,736,660	6,727,413	6,718,165	6,708,918	6,699,670	6,690,423	6,681,175	6,671,928	6,671,928	6,662,681	6,653,433
4	CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	Accumulated Deferred Income Taxes Fedederal & State		(1,418,855)	(1,423,703)	(1,428,552)	(1,433,400)	(1,438,248)	(1,443,097)	(1,447,945)	(1,452,793)	(1,457,642)	(1,462,490)	(1,462,490)	(1,466,531)	(1,470,572)
6	Ending rate base		5,336,300	5,322,204	5,308,108	5,294,013	5,279,917	5,265,821	5,251,725	5,237,630	5,223,534	5,209,438	5,209,438	5,196,150	5,182,861
7															
8	OTP Load Percentage		33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%
9	Remove Non-OTP Load Portion		(3,556,057)	(3,546,664)	(3,537,270)	(3,527,877)	(3,518,484)	(3,509,091)	(3,499,697)	(3,490,304)	(3,480,911)	(3,471,517)	(3,471,517)	(3,462,662)	(3,453,807)
10	Retail Ending Rate Base		1,780,243	1,775,541	1,770,838	1,766,136	1,761,433	1,756,731	1,752,028	1,747,326	1,742,623	1,737,921	1,737,921	1,733,487	1,729,054
11															
12	Average rate base		146,991	146,991	146,991	146,991	146,991	146,991	146,991	146,991	146,991	146,991	1,763,893	142,610	142,610
13															
14	Return on Rate Base		10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	130,368	10,540	10,540
15															
16	Available for return (equity portion of rate base)		6,728	6,728	6,728	6,728	6,728	6,728	6,728	6,728	6,728	6,728	80,734	6,527	6,527
17															
18	*EXPENSES*														
19	*O&M and Depreciation*														
20	Operating Costs		520	688	502	502	502	502	502	502	502	502	6,264	502	502
21	Property Tax		11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733	140,799	11,733	11,733
22	Book Depreciation		9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	110,969	9,247	9,247
23	Total O&M and Depreciation Expenses		21,501	21,669	21,483	21,483	21,483	21,483	21,483	21,483	21,483	21,483	258,032	21,483	21,483
24															
25	OTP Load Percentage		33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%
26	Remove Non-OTP Load Portion		(14,328)	(14,440)	(14,316)	(14,316)	(14,316)	(14,316)	(14,316)	(14,316)	(14,316)	(14,316)	(171,950)	(14,316)	(14,316)
27	Retail O&M and Depreciation Expenses		7,173	7,229	7,167	7,167	7,167	7,167	7,167	7,167	7,167	7,167	86,082	7,167	7,167
28															
29	Income before Taxes														
30	Available for return (from above)		6,728	6,728	6,728	6,728	6,728	6,728	6,728	6,728	6,728	6,728	80,734	6,527	6,527
31	Taxable Income (grossed up)	1.53846	10,350	10,350	10,350	10,350	10,350	10,350	10,350	10,350	10,350	10,350	124,206	10,042	10,042
32															
33	Income Taxes														
34	Current and Def Income Taxes	35.00%	3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,623	43,472	3,515	3,515
35	Total Income Tax Expense		3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,623	3,623	43,472	3,515	3,515
36															
37															
38	*REVENUE REQUIRMENTS*														
39	Expenses		10,796	10,852	10,790	10,790	10,790	10,790	10,790	10,790	10,790	10,790	129,554	10,682	10,682
40	Return on rate base		10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	10,864	130,368	10,540	10,540
41	Subtotal revenue requirements		21,659	21,716	21,653	21,653	21,653	21,653	21,653	21,653	21,653	21,653	259,922	21,222	21,222
42	Adjustments														
43	Transmission Revenue		0	0	0	0	0	0	0	0	0	0	0	0	0
44	Total revenue requirements		21,659	21,716	21,653	21,653	21,653	21,653	21,653	21,653	21,653	21,653	259,922	21,222	21,222
45															
46	South Dakota share - D2 factor	9.8157%	2,126	2,132	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	25,513	2,083	2,083
47															
48	Gross Receipts Tax (at 0.0015)	0.15%	3	3	3	3	3	3	3	3	3	3	38	3	3
49	Total South Dakota Share		2,129	2,135	2,129	2,129	2,129	2,129	2,129	2,129	2,129	2,129	25,551	2,086	2,086

Line No.															
	SUPPORTING INFORMATION / DATA														
1															
2	SD Cap Structure with allowed ROE per order.														
	[TRADE SECRET DATA BEGINS…														
3	Capital Structure		**Ratio**	**Cost**	**WA Cost**					**Property tax**					
4	Debt									2015 composite rate		2.00%			
5	Preferred equity														
6	Common equity														
										…TRADE SECRET DATA ENDS]					
7	Total		100.00%		7.39%	Overall Return									
8															
9			**Book**	**Tax**											
10	Project life (years)		50	15-year MACRS											
11															
12				**Fed Portion**	**State Portion**	**SD Special Hearing Fund:**									
13	Statutory Tax Rate		35.00%	35.00%	0.00%	0.15%									
14	Tax conversion factor		1.53846												
15	Transmission Revenue		0.00%												
16	SD share - D2 factor		9.8157%												
17															
18	**Deferred Tax**														
19	Book depreciation		9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	110,969	9,247	9,247
20	Tax depreciation-Federal		23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	277,198	20,793	20,793
21	Tax depreciation-SD		23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	277,198	20,793	20,793
22	Federal deferred income taxes	35.00%	(4,848)	(4,848)	(4,848)	(4,848)	(4,848)	(4,848)	(4,848)	(4,848)	(4,848)	(4,848)	(58,180)	(4,041)	(4,041)
23	State deferred income taxes	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0

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Cass Lake - Bemidji Revenue Requirements
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Line No.		Year>>	2016 Projected March	2016 Projected April	2016 Projected May	2016 Projected June	2016 Projected July	2016 Projected August	2016 Projected September	2016 Projected October	2016 Projected November	2016 Projected December	2016 Projected Total	2017 Projected January	2017 Projected February
	RATE BASE														
1	Plant Balance		7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948	7,039,948
2	Accumulated Depreciation		(395,762)	(405,009)	(414,257)	(423,504)	(432,752)	(441,999)	(451,246)	(460,494)	(469,741)	(478,989)	(478,989)	(488,236)	(497,484)
3	Net Plant in Service		6,644,186	6,634,938	6,625,691	6,616,444	6,607,196	6,597,949	6,588,701	6,579,454	6,570,206	6,560,959	6,560,959	6,551,712	6,542,464
4	CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	Accumulated Deferred Income Taxes Fedederal & State		(1,474,613)	(1,478,654)	(1,482,695)	(1,486,736)	(1,490,776)	(1,494,817)	(1,498,858)	(1,502,899)	(1,506,940)	(1,510,981)	(1,510,981)	(1,514,288)	(1,517,596)
6	Ending rate base		5,169,573	5,156,285	5,142,996	5,129,708	5,116,420	5,103,131	5,089,843	5,076,555	5,063,266	5,049,978	5,049,978	5,037,423	5,024,868
7															
8	OTP Load Percentage		33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%
9	Remove Non-OTP Load Portion		(3,444,952)	(3,436,097)	(3,427,241)	(3,418,386)	(3,409,531)	(3,400,676)	(3,391,821)	(3,382,965)	(3,374,110)	(3,365,255)	(3,365,255)	(3,356,888)	(3,348,522)
10	Retail Ending Rate Base		1,724,621	1,720,188	1,715,755	1,711,322	1,706,889	1,702,456	1,698,023	1,693,589	1,689,156	1,684,723	1,684,723	1,680,535	1,676,346
11															
12	Average rate base		142,610	142,610	142,610	142,610	142,610	142,610	142,610	142,610	142,610	142,610	1,711,322	138,299	138,299
13															
14	Return on Rate Base		10,540	10,540	10,540	10,540	10,540	10,540	10,540	10,540	10,540	10,540	126,482	10,222	10,222
15															
16	Available for return (equity portion of rate base)		6,527	6,527	6,527	6,527	6,527	6,527	6,527	6,527	6,527	6,527	78,328	6,330	6,330
17															
18	*EXPENSES*														
19	*O&M and Depreciation*														
20	Operating Costs		502	0	0	0	0	0	0	0	0	0	1,506	0	0
21	Property Tax		11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733	11,733	140,799	11,733	11,733
22	Book Depreciation		9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	110,969	9,247	9,247
23	Total O&M and Depreciation Expenses		21,483	20,981	20,981	20,981	20,981	20,981	20,981	20,981	20,981	20,981	253,274	20,981	20,981
24															
25	OTP Load Percentage		33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%	33.361%
26	Remove Non-OTP Load Portion		(14,316)	(13,981)	(13,981)	(13,981)	(13,981)	(13,981)	(13,981)	(13,981)	(13,981)	(13,981)	(168,779)	(13,981)	(13,981)
27	Retail O&M and Depreciation Expenses		7,167	6,999	6,999	6,999	6,999	6,999	6,999	6,999	6,999	6,999	84,495	6,999	6,999
28															
29	Income before Taxes														
30	Available for return (from above)		6,527	6,527	6,527	6,527	6,527	6,527	6,527	6,527	6,527	6,527	78,328	6,330	6,330
31	Taxable Income (grossed up)	1.53846	10,042	10,042	10,042	10,042	10,042	10,042	10,042	10,042	10,042	10,042	120,504	9,738	9,738
32															
33	Income Taxes														
34	Current and Def Income Taxes	35.00%	3,515	3,515	3,515	3,515	3,515	3,515	3,515	3,515	3,515	3,515	42,176	3,408	3,408
35	Total Income Tax Expense		3,515	3,515	3,515	3,515	3,515	3,515	3,515	3,515	3,515	3,515	42,176	3,408	3,408
36															
37															
38	*REVENUE REQUIRMENTS*														
39	Expenses		10,682	10,514	10,514	10,514	10,514	10,514	10,514	10,514	10,514	10,514	126,671	10,408	10,408
40	Return on rate base		10,540	10,540	10,540	10,540	10,540	10,540	10,540	10,540	10,540	10,540	126,482	10,222	10,222
41	Subtotal revenue requirements		21,222	21,054	21,054	21,054	21,054	21,054	21,054	21,054	21,054	21,054	253,153	20,629	20,629
42	Adjustments														
43	Transmission Revenue		0	0	0	0	0	0	0	0	0	0	0	0	0
44	Total revenue requirements		21,222	21,054	21,054	21,054	21,054	21,054	21,054	21,054	21,054	21,054	253,153	20,629	20,629
45															
46	South Dakota share - D2 factor	9.8157%	2,083	2,067	2,067	2,067	2,067	2,067	2,067	2,067	2,067	2,067	24,849	2,025	2,025
47															
48	Gross Receipts Tax (at 0.0015)	0.15%	3	3	3	3	3	3	3	3	3	3	37	3	3
49	Total South Dakota Share		2,086	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	24,886	2,028	2,028

Line No.															
	SUPPORTING INFORMATION / DATA														
1															
2	SD Cap Structure with allowed ROE per order.													SD Cap Structure with allowed R(	
	[TRADE SECRET DATA BEGINS…													**[TRADE SECRET D**	
3	Capital Structure		**Ratio**	**Cost**	**WA Cost**				**Property tax**					Capital Structure	
4	Debt								2016 composite rate			2.00%		Debt	
5	Preferred equity													Preferred equity	
6	Common equity								**...TRADE SECRET DATA ENDS]**					Common equity	
7	Total		100.00%		7.39%	Overall Return								Total	
8															
9			**Book**	**Tax**											
10	Project life (years)		50	15-year MACRS										Project life (years)	
11															
12				**Fed Portion**	**State Portion**	**SD Special Hearing Fund:**									
13	Statutory Tax Rate		35.00%	35.00%	0.00%	0.15%								Statutory Tax Rate	
14	Tax conversion factor		1.53846											Tax conversion Factor	
15	Transmission Revenue		0.00%											Transmission Revenue	
16	SD share - D2 factor		9.8157%											SD share - D2 factor	
17															
18	**Deferred Tax**														
19	Book depreciation		9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	9,247	110,969	9,247	9,247
20	Tax depreciation-Federal		20,793	20,793	20,793	20,793	20,793	20,793	20,793	20,793	20,793	20,793	249,515	18,697	18,697
21	Tax depreciation-SD		20,793	20,793	20,793	20,793	20,793	20,793	20,793	20,793	20,793	20,793	249,515	18,697	18,697
22	Federal deferred income taxes	35.00%	(4,041)	(4,041)	(4,041)	(4,041)	(4,041)	(4,041)	(4,041)	(4,041)	(4,041)	(4,041)	(48,491)	(3,307)	(3,307)
23	State deferred income taxes	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0