Otter Tail Power Company
South Dakota Transmission Cost Recovery Rider
Cass Lake - Bemidji Revenue Requirements
Docket No. EL16-035

Line No.	Year>>		2016 Actual March	2016 Actual April	2016 Actual May	2016 Actual June	2016 Actual July	2016 Actual August	2016 Actual September	2016 Actual October	2016 Actual November	2016 Actual December	2016 Actual 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		(396,158)	(405,538)	(414,917)	(424,297)	(433,676)	(443,056)	(452,435)	(461,815)	(471,194)	(480,574)	(480,574)	(489,953)	(499,333)
3	Net Plant in Service		6,643,790	6,634,410	6,625,031	6,615,651	6,606,272	6,596,892	6,587,513	6,578,133	6,568,754	6,559,374	6,559,374	6,549,995	6,540,615
4	CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	ADIT Federal Proration Factors		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		1.0000	1.0000
6	Accumulated Deferred Income Taxes Federal & State		(1,474,474)	(1,478,469)	(1,482,463)	(1,486,458)	(1,490,453)	(1,494,448)	(1,498,442)	(1,502,437)	(1,506,432)	(1,510,426)	(1,510,426)	(1,513,687)	(1,516,949)
7	Ending rate base		5,169,315	5,155,941	5,142,567	5,129,193	5,115,819	5,102,445	5,089,070	5,075,696	5,062,322	5,048,948	5,048,948	5,036,307	5,023,666
8															
9	OTP Load Percentage		31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	32.106%	32.106%
10	Remove Non-OTP Load Portion		(3,526,404)	(3,517,280)	(3,508,156)	(3,499,033)	(3,489,909)	(3,480,786)	(3,471,662)	(3,462,538)	(3,453,415)	(3,444,291)	(3,444,291)	(3,419,350)	(3,410,768)
11	Retail Ending Rate Base		1,642,912	1,638,661	1,634,411	1,630,160	1,625,910	1,621,659	1,617,408	1,613,158	1,608,907	1,604,657	1,604,657	1,616,957	1,612,898
12															
13	Average rate base		136,374	136,374	136,374	136,374	136,374	136,374	136,374	136,374	136,374	136,374	1,636,488	133,073	133,073
14															
15	Return on Rate Base		10,224	10,224	10,224	10,224	10,224	10,224	10,224	10,224	10,224	10,224	122,689	10,097	10,097
16															
17	Available for return (equity portion of rate base)		6,655	6,655	6,655	6,655	6,655	6,655	6,655	6,655	6,655	6,655	79,854	6,777	6,777
18															
19	*EXPENSES*														
20	*O&M and Depreciation*														
21	Operating Costs		502	526	526	526	526	526	526	526	526	526	6,240	526	526
22	Property Tax		10,384	10,384	10,384	10,384	10,384	10,384	10,384	10,384	10,384	10,384	124,607	10,384	10,384
23	Book Depreciation		9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	112,554	9,379	9,379
24	Total O&M and Depreciation Expenses		20,265	20,289	20,289	20,289	20,289	20,289	20,289	20,289	20,289	20,289	243,401	20,289	20,289
25															
26	OTP Load Percentage		31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	31.782%	32.106%	32.106%
27	Remove Non-OTP Load Portion		(13,825)	(13,841)	(13,841)	(13,841)	(13,841)	(13,841)	(13,841)	(13,841)	(13,841)	(13,841)	(166,043)	(13,775)	(13,775)
28	Retail O&M and Depreciation Expenses		6,441	6,448	6,448	6,448	6,448	6,448	6,448	6,448	6,448	6,448	77,358	6,514	6,514
29															
30	Income before Taxes														
31	Available for return (from above)		6,655	6,655	6,655	6,655	6,655	6,655	6,655	6,655	6,655	6,655	79,854	6,777	6,777
32	Taxable Income (grossed up)	1.53846	10,238	10,238	10,238	10,238	10,238	10,238	10,238	10,238	10,238	10,238	122,852	10,427	10,427
33															
34	Income Taxes														
35	Current and Def Income Taxes	35.00%	3,583	3,583	3,583	3,583	3,583	3,583	3,583	3,583	3,583	3,583	42,998	3,649	3,649
36	Total Income Tax Expense		3,583	3,583	3,583	3,583	3,583	3,583	3,583	3,583	3,583	3,583	42,998	3,649	3,649
37															
38															
39	*REVENUE REQUIRMENTS*														
40	Expenses		10,024	10,032	10,032	10,032	10,032	10,032	10,032	10,032	10,032	10,032	120,356	10,164	10,164
41	Return on rate base		10,224	10,224	10,224	10,224	10,224	10,224	10,224	10,224	10,224	10,224	122,689	10,097	10,097
42	Subtotal revenue requirements		20,248	20,256	20,256	20,256	20,256	20,256	20,256	20,256	20,256	20,256	243,045	20,260	20,260
43	Adjustments														
44	Transmission Revenue		0	0	0	0	0	0	0	0	0	0	0	0	0
45	Total revenue requirements		20,248	20,256	20,256	20,256	20,256	20,256	20,256	20,256	20,256	20,256	243,045	20,260	20,260
46															
47	South Dakota share - D2 factor	9.8157%	1,987	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,988	23,857	1,989	1,989
48															
49	Gross Receipts Tax		3	3	3	3	3	3	3	3	3	3	32	3	3
50	Total South Dakota Share		1,990	1,991	1,991	1,991	1,991	1,991	1,991	1,991	1,991	1,991	23,889	1,991	1,991

Line No.														
	SUPPORTING INFORMATION / DATA													
1														
2		SD Cap Structure with allowed ROE per order.												
		[TRADE SECRET DATA BEGINS…												
3										**Property tax**				
4										2016 composite rate		1.77%		
5														
6								**...TRADE SECRET DATA ENDS]**						
7		Total		100.00%			7.50%	Overall Return						
8														
9				**Book**	**Tax**									
10		Project life (years)		50	15-year MACRS									
11								**SD Gross**						
12					**Fed Portion**		**State Portion**	**Receipts Tax**						
13		Statutory Tax Rate		35.00%	35.00%		0.00%	0.135%						
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		9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	112,554	9,379	9,379
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%	(3,995)	(3,995)	(3,995)	(3,995)	(3,995)	(3,995)	(3,995)	(3,995)	(3,995)	(3,995)	(47,936)	(3,261)	(3,261)
23	State deferred income taxes	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0

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Line No.	Year>>		2017 Projected March	2017 Projected April	2017 Projected May	2017 Projected June	2017 Projected July	2017 Projected August	2017 Projected September	2017 Projected October	2017 Projected November	2017 Projected December	2017 Projected Total	2018 Projected January	2018 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		(508,712)	(518,092)	(527,471)	(536,851)	(546,230)	(555,610)	(564,989)	(574,369)	(583,748)	(593,128)	(593,128)	(602,507)	(611,887)
3	Net Plant in Service		6,531,236	6,521,856	6,512,477	6,503,097	6,493,718	6,484,338	6,474,959	6,465,579	6,456,200	6,446,820	6,446,820	6,437,441	6,428,061
4	CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	ADIT Federal Proration Factors		0.9178	0.8356	0.7507	0.6685	0.5836	0.4986	0.4164	0.3315	0.2493	0.1644		0.0795	0.0027
6	Accumulated Deferred Income Taxes Federal & State		(1,519,942)	(1,522,667)	(1,525,115)	(1,527,295)	(1,529,198)	(1,530,825)	(1,532,183)	(1,533,264)	(1,534,077)	(1,534,613)	(1,534,613)	(1,534,839)	(1,534,847)
7	Ending rate base		5,011,294	4,999,189	4,987,362	4,975,802	4,964,519	4,953,514	4,942,776	4,932,315	4,922,123	4,912,207	4,912,207	4,902,602	4,893,215
8															
9	OTP Load Percentage		32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%
10	Remove Non-OTP Load Portion		(3,402,368)	(3,394,149)	(3,386,119)	(3,378,271)	(3,370,611)	(3,363,139)	(3,355,848)	(3,348,746)	(3,341,826)	(3,335,094)	(3,335,094)	(3,328,572)	(3,322,199)
11	Retail Ending Rate Base		1,608,926	1,605,040	1,601,242	1,597,531	1,593,909	1,590,375	1,586,928	1,583,569	1,580,297	1,577,113	1,577,113	1,574,029	1,571,015
12															
13	Average rate base		133,073	133,073	133,073	133,073	133,073	133,073	133,073	133,073	133,073	133,073	1,596,880	129,700	129,700
14															
15	Return on Rate Base		10,097	10,097	10,097	10,097	10,097	10,097	10,097	10,097	10,097	10,097	121,159	9,841	9,841
16															
17	Available for return (equity portion of rate base)		6,777	6,777	6,777	6,777	6,777	6,777	6,777	6,777	6,777	6,777	81,330	6,606	6,606
18															
19	*EXPENSES*														
20	*O&M and Depreciation*														
21	Operating Costs		526	526	526	526	526	526	526	526	526	526	6,312	526	526
22	Property Tax		10,384	10,384	10,384	10,384	10,384	10,384	10,384	10,384	10,384	10,384	124,607	10,384	10,384
23	Book Depreciation		9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	112,554	9,379	9,379
24	Total O&M and Depreciation Expenses		20,289	20,289	20,289	20,289	20,289	20,289	20,289	20,289	20,289	20,289	243,473	20,289	20,289
25															
26	OTP Load Percentage		32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%	32.106%
27	Remove Non-OTP Load Portion		(13,775)	(13,775)	(13,775)	(13,775)	(13,775)	(13,775)	(13,775)	(13,775)	(13,775)	(13,775)	(165,304)	(13,775)	(13,775)
28	Retail O&M and Depreciation Expenses		6,514	6,514	6,514	6,514	6,514	6,514	6,514	6,514	6,514	6,514	78,169	6,514	6,514
29															
30	Income before Taxes														
31	Available for return (from above)		6,777	6,777	6,777	6,777	6,777	6,777	6,777	6,777	6,777	6,777	81,330	6,606	6,606
32	Taxable Income (grossed up)	1.53846	10,427	10,427	10,427	10,427	10,427	10,427	10,427	10,427	10,427	10,427	125,123	10,163	10,163
33															
34	Income Taxes														
35	Current and Def Income Taxes	35.00%	3,649	3,649	3,649	3,649	3,649	3,649	3,649	3,649	3,649	3,649	43,793	3,557	3,557
36	Total Income Tax Expense		3,649	3,649	3,649	3,649	3,649	3,649	3,649	3,649	3,649	3,649	43,793	3,557	3,557
37															
38															
39	*REVENUE REQUIRMENTS*														
40	Expenses		10,164	10,164	10,164	10,164	10,164	10,164	10,164	10,164	10,164	10,164	121,962	10,071	10,071
41	Return on rate base		10,097	10,097	10,097	10,097	10,097	10,097	10,097	10,097	10,097	10,097	121,159	9,841	9,841
42	Subtotal revenue requirements		20,260	20,260	20,260	20,260	20,260	20,260	20,260	20,260	20,260	20,260	243,121	19,912	19,912
43	Adjustments														
44	Transmission Revenue		0	0	0	0	0	0	0	0	0	0	0	0	0
45	Total revenue requirements		20,260	20,260	20,260	20,260	20,260	20,260	20,260	20,260	20,260	20,260	243,121	19,912	19,912
46															
47	South Dakota share - D2 factor	9.8157%	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	1,989	23,864	1,954	1,954
48															
49	Gross Receipts Tax		3	3	3	3	3	3	3	3	3	3	32	3	3
50	Total South Dakota Share		1,991	1,991	1,991	1,991	1,991	1,991	1,991	1,991	1,991	1,991	23,896	1,957	1,957

Line No.															
	SUPPORTING INFORMATION / DATA														
1															
2			SD Cap Structure with allowed ROE per order.												
			[TRADE SECRET DATA BEGINS…												
3											**Property tax**				
4											2017 composite rate	1.77%			
5															
6								**..TRADE SECRET DATA ENDS]**							
7			Total		100.00%		7.59%	Overall Return							
8															
9					**Book**	**Tax**									
10			Project life (years)		50	15-year MACRS									
11								**SD Gross**							
12						**Fed Portion**	**State Portion**								
13			Statutory Tax Rate		35.00%	35.00%	0.00%	0.135%							
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		9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	9,379	112,554	9,379	9,379
20	Tax depreciation-Federal		18,697	18,697	18,697	18,697	18,697	18,697	18,697	18,697	18,697	18,697	224,367	17,506	17,506
21	Tax depreciation-SD		18,697	18,697	18,697	18,697	18,697	18,697	18,697	18,697	18,697	18,697	224,367	17,506	17,506
22	Federal deferred income taxes	35.00%	(3,261)	(3,261)	(3,261)	(3,261)	(3,261)	(3,261)	(3,261)	(3,261)	(3,261)	(3,261)	(39,135)	(2,844)	(2,844)
23	State deferred income taxes	0.00%	0	0	0	0	0	0	0	0	0	0	0	0	0