

PUBLIC - TRADE SECRET DATA HAS BEEN EXCISED

Otter Tail Power Company
Air Quality Control System Project Revenue Requirement Calc
Docket No. EL17-

LineNo.	Year>>	2016													2017		
		Actual November	Actual December	Actual Total	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Actual July	Projected August	Projected September	Projected October			
RATE BASE																	
1		204,062,984	204,105,994	204,105,994	204,108,827	204,143,710	204,143,779	204,143,708	204,271,333	204,271,250	204,271,251	204,271,251	204,271,251	204,348,726			
2		(5,618,755)	(6,130,069)	(6,130,069)	(6,606,470)	(7,082,877)	(7,559,365)	(8,035,854)	(8,512,342)	(8,989,128)	(9,465,914)	(9,942,701)	(10,419,487)	(10,896,273)			
3		198,444,229	197,975,925	197,975,925	197,502,357	197,060,833	196,584,414	196,107,854	195,758,991	195,282,122	194,805,337	194,328,551	193,851,765	193,452,454			
4		0	0	0	0	0	0	0	0	0	0	0	0	0			
5		14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926	14,733,926			
6		(9,810,224)	(10,702,062)	(10,702,062)	(11,038,051)	(11,374,039)	(11,710,028)	(12,046,017)	(12,382,005)	(12,717,994)	(13,053,983)	(13,389,971)	(13,725,960)	(14,061,949)			
7		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000			
8		(39,994,060)	(40,146,675)	(40,146,675)	(40,292,763)	(40,438,848)	(40,584,905)	(40,730,962)	(40,877,019)	(41,022,972)	(41,168,925)	(41,314,878)	(41,460,831)	(41,606,783)			
9		163,373,871	161,861,115	161,861,115	160,905,470	159,981,872	159,023,407	158,064,801	157,233,892	156,275,082	155,316,355	154,357,628	153,398,900	152,517,647			
10																	
11		14,248,540	14,248,540	170,982,478	13,020,838	13,020,838	13,020,838	13,020,838	13,020,838	13,020,838	13,020,838	13,020,838	13,020,838	13,020,838			
12																	
13		1,068,501	1,068,501	12,822,015	987,920	987,920	987,920	987,920	987,920	987,920	987,920	987,920	987,920	987,920			
14																	
15		695,272	695,272	8,343,262	663,158	663,158	663,158	663,158	663,158	663,158	663,158	663,158	663,158	663,158			
16																	
EXPENSES																	
<i>O&M and Depreciation</i>																	
19		25,357	43,310	401,650	41,985	37,418	40,501	59,122	42,984	43,846	44,443	50,362	50,362	50,362			
20		0	0	0	0	0	0	0	0	0	0	0	0	0			
21		511,281	511,314	6,130,069	476,400	476,407	476,488	476,489	476,488	476,786	476,786	476,786	476,786	476,786			
22		536,638	554,624	6,531,719	518,385	513,825	516,990	535,611	519,472	520,632	521,229	527,148	527,148	527,148			
23																	
24																	
25		695,272	695,272	8,343,262	663,158	663,158	663,158	663,158	663,158	663,158	663,158	663,158	663,158	663,158			
26	1.5385	1,069,649	1,069,649	12,835,788	1,020,243	1,020,243	1,020,243	1,020,243	1,020,243	1,020,243	1,020,243	1,020,243	1,020,243	1,020,243			
27																	
28																	
29	35.00%	374,377	374,377	4,492,526	357,085	357,085	357,085	357,085	357,085	357,085	357,085	357,085	357,085	357,085			
30		374,377	374,377	4,492,526	357,085	357,085	357,085	357,085	357,085	357,085	357,085	357,085	357,085	357,085			
31																	
32																	
REVENUE REQUIREMENTS																	
33		911,015	929,001	11,024,245	875,470	870,910	874,075	892,696	876,557	877,717	878,314	884,233	884,233	884,233			
34		1,068,501	1,068,501	12,822,015	987,920	987,920	987,920	987,920	987,920	987,920	987,920	987,920	987,920	987,920			
35		1,979,516	1,997,502	23,846,259	1,863,390	1,858,829	1,861,994	1,880,616	1,864,477	1,865,637	1,866,234	1,872,153	1,872,153	1,872,153			
36																	
37																	
38		1,979,516	1,997,502	23,846,259	1,863,390	1,858,829	1,861,994	1,880,616	1,864,477	1,865,637	1,866,234	1,872,153	1,872,153	1,872,153			
39																	
40	75.29%	1,490,378	1,503,919	17,953,849	1,402,946	1,399,513	1,401,896	1,415,916	1,403,764	1,404,638	1,405,087	1,409,544	1,409,544	1,409,544			
41	24.71%	489,138	493,583	5,892,411	460,444	459,317	460,099	464,700	460,712	460,999	461,146	462,609	462,609	462,609			
42																	
43	9.9710%	148,606	149,957	1,790,187	139,888	139,546	139,784	141,182	139,970	140,057	140,102	140,546	140,546	140,546			
44	9.9001%	48,425	48,865	583,356	45,584	45,473	45,550	46,006	45,611	45,639	45,654	45,799	45,799	45,799			
45																	
46		197,032	198,822	2,373,543	185,473	185,019	185,334	187,187	185,581	185,697	185,756	186,345	186,345	186,345			

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Line No.		2016 Actual November	2016 Actual December	2016 Actual Total	2017 Actual January	2017 Actual February	2017 Actual March	2017 Actual April	2017 Actual May	2017 Actual June	2017 Actual July	2017 Projected August	2017 Projected September	2017 Projected October
47	<i>SUPPORTING INFORMATION / DATA</i>													
48					[TRADE SECRET BEGINS...									
49														
50														
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66	Deferred Tax													
67	Book depreciation	511,281	511,314	6,130,069	476,400	476,407	476,488	476,489	476,488	476,786	476,786	476,786	476,786	476,786
68	Tax depreciation-Federal	947,356	947,356	11,368,277	893,794	893,794	893,794	893,794	893,794	893,794	893,794	893,794	893,794	893,794
69	Tax depreciation-State	947,356	947,356	11,368,277	893,794	893,794	893,794	893,794	893,794	893,794	893,794	893,794	893,794	893,794
70	Federal deferred income taxes	35.00%	(152,626)	(152,615)	(1,833,373)	(146,088)	(146,086)	(146,057)	(146,057)	(146,057)	(145,953)	(145,953)	(145,953)	(145,953)
71	State deferred income taxes		0	0	0	0	0	0	0	0	0	0	0	0

53	Total						100.00%		7.59%	Overall Return				
56	Project life (years)						Book 30		Tax 7-year MACRS					
59	Statutory Tax Rate						35.00%		Federal 35.00%					State 0.00%
60	Tax conversion factor						1.53846							
61	Base Demand Factor						75.29%							
62	Peak Demand Factor						24.71%							
63	SD share - E1 factor						9.9710%							
64	SD share - D1 factor						9.9001%							

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Line No.		2017 Projected November	2017 Projected December	2017 Projected Total	2018 Projected January	2018 Projected February	2018 Projected March	2018 Projected April	2018 Projected May	2018 Projected June	2018 Projected July	2018 Projected August	2018 Projected September	2018 Projected October
47	<i>SUPPORTING INFORMATION / DATA</i>													
48					[TRADE SECRET BEGINS...]									
49														
50		0.00%												
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67	Deferred Tax													
67	Book depreciation	476,967	476,967	5,720,138	476,967	476,967	476,967	476,967	476,967	476,967	476,967	476,967	476,967	476,967
68	Tax depreciation-Federal	893,794	893,794	10,725,532	867,716	867,716	867,716	867,716	867,716	867,716	867,716	867,716	867,716	867,716
69	Tax depreciation-State	893,794	893,794	10,725,532	867,716	867,716	867,716	867,716	867,716	867,716	867,716	867,716	867,716	867,716
70	Federal deferred income taxes	35.00%	(145,890)	(145,890)	(1,751,888)	(136,762)	(136,762)	(136,762)	(136,762)	(136,762)	(136,762)	(136,762)	(136,762)	(136,762)
71	State deferred income taxes		0	0	0	0	0	0	0	0	0	0	0	0

53	Total						100.00%		7.59%					
54	Project life (years)						30		7-year MACRS					
59	Statutory Tax Rate						35.00%		35.00%					
60	Tax conversion factor						1.53846							
61	Base Demand Factor						75.29%							
62	Peak Demand Factor						24.71%							
63	SD share - E1 factor						9.9710%							
64	SD share - D1 factor						9.9001%							