

Otter Tail Power Company
Electric Utility - State of South Dakota
Docket No. EL 18-021 - Interim Rate Refund Compliance Filing
Interim Rate Revenue Refund Summary
Actuals through May 2019 and estimates through September 2019

Line No.	Calculation of the refund factor - calendar year basis	Footnote:	2017 Test Year Ordered
1	Present revenue included in Final Rates proposal	1	\$30,650,015
2	Present rider revenue included in Approved Proposed Final Rates	2	\$2,619,535
3	Proposed Final Rates Deficiency for Interim	3	\$3,358,575
4	Total proposed increase Line 2 + Line 3	4	\$5,978,110
	Interim Rate Revenue Requirements (based on Final Rate proposal)		36,628,125
5	Line 1 + Line 4		
6	Present revenue for Final COSS		\$30,658,393
7	Approved Final Deficiency		\$4,830,821
8	Ordered final rate revenue requirements Line 6 + Line 7	5	35,489,214
9	Total interim rate revenue refund - Annual Basis Line 5 - Line 8		\$1,138,911
10	Average Interim refund factor Line 9 / Line 4	6	19.051%
11	Total Percent Increase Line 7 / Line 6		15.76%
12	Net Percent Increase (Line 7 - Line 2) / (Line 6 + Line 2)		6.64%
	Application of the refund factor - actual basis		2017 Test Year Ordered
13	Interim increase collected Attachment 08A, Page 2, Column B, Line 17		\$5,691,372
14	Actual interim increase allowed Line 13 - Line 15		\$4,607,108
15	Refund obligation (without interest) Line 10 x Line 13		\$1,084,263
16	Interest Attachment 08A, Page 2, Column J, Line 17		\$24,576
17	Refund Final ECRR Balance	7	\$9,923
18	Total refund obligation (including interest and ECRR tracker balance) Line 15 + Line 16 + Line 17		\$1,118,762

- (1) OTP Initial Filing, Volume 4a B-Input Summary Page 5 of 8 2017 Test Year Total Retail Sales
- (2) Staff Memorandum Supporting Settlement Stipulation, Attachment 2b, TY-13 and TY-14, Line 2
- (3) OTP Initial Filing, Volume 2a Haugen Direct Testimony, Page 19, Table 5, Column F
- (4) OTP Initial Filing, Volume 4a JCOSS Page 1-1 2017 Test Year revenue increase required
- (5) PUC Staff's Letter regarding Final Revenue Requirement, Exhibit 1, Column B, Line 12
- (6) Average interim refund factor for all classes; A different interim rate was implemented for each class, so each class will have a different refund factor.
- (7) Over collection balance in the ECRR at the time final rates go into effect will be included as part of the Interim Rate Refur

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Line No.	A	B	C	D=(B*C)	E=Prior Month (F+J)	F=D+E	G=(E+F)/2	H	I	J=(G*H*1)/365
	Interim rates				Interest calculation					
	Billing month	Interim revenue collected	Refund factor ¹	Interim rate revenue refund	Beginning balance	Ending balance	Average balance	Number of days	Annual interest ²	Monthly interest
1	October - 2018	\$9,789	19.051%	\$1,865	\$0	\$1,865	\$932	14	7.00%	\$3
2	November - 2018	\$372,463	19.051%	\$70,958	\$1,867	\$72,825	\$37,346	30	7.00%	\$215
3	December - 2018	\$495,494	19.051%	\$94,397	\$73,040	\$167,437	\$120,239	31	7.00%	\$715
4	January - 2019	\$653,802	19.051%	\$124,556	\$168,152	\$292,707	\$230,430	31	7.00%	\$1,370
5	February - 2019	\$708,108	19.051%	\$134,902	\$294,077	\$428,979	\$361,528	28	7.00%	\$1,941
6	March - 2019	\$548,053	19.051%	\$104,410	\$430,920	\$535,330	\$483,125	31	7.00%	\$2,872
7	April - 2019	\$459,049	19.051%	\$87,453	\$538,202	\$625,656	\$581,929	30	7.00%	\$3,348
8	May - 2019	\$552,587	19.051%	\$105,273	\$629,004	\$734,277	\$681,640	31	7.00%	\$4,052
9	Subtotal Actual	\$3,799,345		\$723,813						\$14,516
10										
11	Estimate for June through September 2019									
12	June - 2019	\$441,186	19.051%	\$84,050	\$738,330	\$822,380	\$780,355	30	7.00%	\$4,490
12	July - 2019	\$483,614	19.051%	\$92,133	\$0	\$92,133	\$46,067	31	7.00%	\$274
	August - 2019	\$483,614	19.051%	\$92,133	\$0	\$92,133	\$46,067	31	7.00%	\$274
13	September - 2019	\$483,614	19.051%	\$92,133	\$826,870	\$919,003	\$872,936	30	7.00%	\$5,022
14	Subtotal Estimate	\$1,892,027		\$360,450						\$10,060
15										
15	October 2018 - May 2019 Subtotal	\$3,799,345		\$723,813						\$14,516
16	June Thru September 2019 Subtotal	\$1,892,027		\$360,450						\$10,060
17	Total (October 2018 - September 2019)	\$5,691,372		\$1,084,263						\$24,576
18										
19	TOTAL PRINCIPAL AND INTEREST									\$1,108,839

¹Attachment 8A, Page 1, Line 10

²Consumer deposit interest rate

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	A	B	C	D	E	F	G	H	I	J	K	L
Line No.	Initial Filing	South Dakota	Residential	Farms	General Service	Large General Service	Irrigation	Outdoor Lighting	OPA	Controlled Service Water Heating	Controlled Service Interruptible	Controlled Service Deferred
1	Present Revenues	\$ 30,650,015	\$ 9,175,901	\$ 669,522	\$ 6,378,987	\$ 11,967,979	\$ 20,270	\$ 593,033	\$ 263,510	\$ 341,830	\$ 898,267	\$ 340,716
2	Percent Increase Requested	19.50%	19.90%	19.00%	17.83%	19.90%	25.00%	20.00%	25.00%	20.00%	20.00%	20.00%
3	Revenue Increase Requested	\$ 5,978,110	\$ 1,826,004	\$ 127,209	\$ 1,137,554	\$ 2,381,628	\$ 5,068	\$ 118,607	\$ 65,878	\$ 68,366	\$ 179,653	\$ 68,143
4	Total Revenues Requested (Interim Revenues Implemented)	\$36,628,125	\$11,001,905	\$796,731	\$7,516,541	\$14,349,607	\$25,338	\$711,640	\$329,388	\$410,196	\$1,077,920	\$408,859
	Order											
5	Present Revenues - Final	\$ 30,658,393	\$ 9,174,788	\$ 669,156	\$ 6,387,863	\$ 11,968,440	\$ 20,270	\$ 592,574	\$ 264,512	\$ 341,880	\$ 898,228	\$ 340,682
6	Percent Increase Final	15.76%	15.76%	15.76%	15.76%	15.76%	15.76%	15.76%	15.76%	15.76%	15.76%	15.76%
7	Revenue Increase Final	\$ 4,830,821	\$ 1,445,665	\$ 105,438	\$ 1,006,531	\$ 1,885,859	\$ 3,194	\$ 93,371	\$ 41,679	\$ 53,870	\$ 141,533	\$ 53,681
8	Total Revenues Final	\$35,489,214	\$10,620,453	\$774,594	\$7,394,394	\$13,854,299	\$23,464	\$685,945	\$306,191	\$395,750	\$1,039,761	\$394,363
9	Interim Refund											
10	Percentage to be refunded*	19.051%	20.890%	17.402%	10.738%	20.797%	36.972%	21.663%	35.212%	21.131%	21.240%	21.273%

* (Line 4 - Line 8) / Line 3