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December 26, 2018

Mr. Darrel Nitschke
Director of Administration
North Dakota Public Service Commission
600 E. Boulevard Ave., Dept. 408
Bismarck, ND 58505-0480

Dear Mr. Nitschke:

For the four-month period ending November 30, 2018, the rate for the Energy Adjustment Rider is \$0.00536 per kWh and Plant Reagent/Emissions is \$0.00013 per kWh. Otter Tail Power Company (Otter Tail) proposes to bill at these rates effective January 1, 2019.

The following additional information is provided for the Energy Adjustment Rider:

Average costs from previous month's adjustment:	\$.022193
Average costs from current month's adjustment:	\$.029684
Difference – (Increase) Decrease:	(\$.007491)

The net effect of this energy adjustment is to increase the rate by (\$.00749). The total resulting adjustment for the current billing period will then be \$0.00536 per kWh.

Information supporting the adjustments is enclosed. The costs reported in the supporting detail are based on the provisions of the Energy Adjustment Rider approved by the Commission in the Order on Interim Rates dated December 20, 2017, in Case No. PU-17-398. Effective January 1, 2018, the base cost of energy is \$0.024327.

The costs reported for the Plant Reagent/Emissions were approved by the Commission on February 25, 2015, as a part of the Environmental Cost Recovery Rider in Case No. PU-14-668. Detailed schedule of the items included in the calculations are enclosed.

Mr. Darrel Nitschke
December 26, 2018
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Otter Tail Power Company submits an original and two (2) copies each of the following:

- 1) Calculation of the January 2019 Energy Adjustment Rider based on the four-month period ending November 2018.
- 2) Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider marked as Attachment A (2 pages).
- 3) Monthly MISO Day 2 Charges for ND Energy Adjustment Rider marked as Attachment B.
- 4) Monthly MISO Day 2 Charges for ND Non-Energy Adjustment Rider marked as Attachment C.
- 5) Detail of MISO Day 2 Charges by Charge Group for Current Month marked as Attachment D (2 pages).
- 6) Otter Tail's Plant Conditions for November 2018 marked as Attachment E.
- 7) Monthly Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month and Year to Date marked as Attachment F. The SPP charges are included in Purchased Power line of Energy Adjustment Rider calculation.

Sincerely,

/s/ JILL R. BJORGUM
Jill R. Bjorgum
Regulatory Transactions Specialist

Enclosures
By electronic filing
cc: NDPSC – electronic copy

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 ENERGY ADJUSTMENT RIDER
 FOR BILLING TO BE EFFECTIVE JANUARY 1, 2019

1st of the Month
 RATE LEVEL 50

	(A) 2018 August	(B) 2018 September	(C) 2018 October	(D) 2018 November	(E) Total This Period	
ENERGY COSTS & CREDITS						
Line						
1	Purchased Power	\$996,808	\$1,007,255	\$1,237,357	\$1,474,218	\$4,715,638
2	Wind Curtailment	\$28,189	\$27,243	\$80,194	(\$46,591)	\$89,035
3	Steam Plant Generation	\$6,480,339	\$3,870,168	\$3,460,443	\$4,799,485	\$18,610,435
4	Other Plant Generation	\$304,728	\$271,941	\$349,663	\$206,806	\$1,133,138
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Less: Intersystem Sales	(\$687,373)	(\$809,700)	(\$363,675)	(\$267,611)	(\$2,128,359)
7	Net Retail MISO Day 2	\$1,733,785	\$2,185,403	\$5,446,094	\$7,552,635	\$16,917,916
8	NET ENERGY COSTS	\$8,856,475	\$6,552,310	\$10,210,076	\$13,718,942	\$39,337,803
ASSET-BASED MARGINS						
	2018 October	2018 November	2018 December	2019 January	Total This Period	
9	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
10	True-up of prior months margin forecast	(\$112,405)	(\$187,197)	(\$83,201)	(\$115,416)	(\$498,219)
11	Total Margin Credit	(\$112,405)	(\$187,197)	(\$83,201)	(\$115,416)	(\$498,219)
12	Prior (over) under recovery (line 25)					\$5,468,785
13	Adjusted Net Energy Costs (line 8 + line 11 + line 12)					\$44,308,369
ENERGY -- KWH						
	2018 August	2018 September	2018 October	2018 November	Total This Period	
14	Retail Sales - kWhs	368,431,131	358,664,864	351,799,001	413,796,707	1,492,691,703
15	Delivered Cost per kWh					\$0.029684
16	Base Cost per kWh					\$0.024327
17	Energy Cost Adjustment -- Per kWh					\$0.00536

TRUE UP FOR NOVEMBER

18	Retail Sales (kWhs) (line 14, col D)	413,796,707
19	Net Energy Costs for the System -- Most recent month	\$13,531,745
20	Base Cost Recovered	\$10,066,432
21	Net to be Recovered from COE (line 19 - line 20)	\$3,465,312
22	COE Recovery Rate Effective for November	(\$0.00578)
23	Amount Recovered by COE (line 22 x line 18)	(\$2,391,745)
24	(Over) / Under Recovery (line 21 - line 23)	\$5,857,057
25	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)	\$5,468,785

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 PLANT REAGENT/EMISSIONS CALCULATION
 FOR BILLING TO BE EFFECTIVE JANUARY 1, 2019

	(A) 2018 August	(B) 2018 September	(C) 2018 October	(D) 2018 November	(E) Total This Period	
REAGENTS COSTS & CREDITS						
<u>Line</u>						
1	Big Stone	\$186,552	\$61,337	\$0	\$90,976	\$338,865
2	Coyote	\$14,954	\$10,801	\$9,113	\$10,825	\$45,692
3	Hoot Lake	\$26,528	\$21,387	\$19,328	\$26,762	\$94,005
4	Hoot Lake Emissions Allowances	\$1,125	\$1,130	\$1,435	\$673	\$4,363
5	NET REAGENTS COSTS	\$229,159	\$94,655	\$29,876	\$129,236	\$482,926
6	Prior (over) under recovery (line 15)					<u>(\$290,668)</u>
7	Adjusted Net Reagents Costs (line 5 + line 6)					<u><u>\$192,258</u></u>

	2018 August	2018 September	2018 October	2018 November	Total This Period	
ENERGY -- KWH						
8	Retail Sales - kWhs	368,431,131	358,664,864	351,799,001	413,796,707	1,492,691,703
9	Reagent Cost Adjustment -- Per kWh					\$0.00013

TRUE UP FOR NOVEMBER

10	Retail Sales (kWhs) (line 8, col D)					413,796,707
11	Net Reagent Costs for the System -- Most recent month					\$129,236
12	Reagent Cost Adjustment Effective for November					\$0.00059
13	Amount Recovered by Reagent (line 10 x line 12)					\$244,140
14	(Over) / Under Recovery (line 11 - line 13)					(\$114,904)
15	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					(\$290,668)

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
November 2018 includes any adjustments								
No.	Charge Type Description	(A) Acct	(B) Total	(C) Energy Adjustment Rider		(D) Other	(E) Total	(F) Non-Energy Adj. Rider
				Retail				
1	DA Asset Energy Amount	555.02	\$ 6,280,735.95	\$ 6,505,574.03	\$ -	\$ -	\$ 6,505,574.03	\$ (224,838.08)
2	DA Non-asset Energy Amount	555.09	\$ (142,469.81)	\$ (142,469.81)	\$ -	\$ -	\$ (142,469.81)	\$ -
3	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19	\$ 459,583.72	\$ 459,583.72	\$ -	\$ -	\$ 459,583.72	\$ -
5	RT Non-Asset Energy Amount	555.26	\$ 6.85	\$ 6.85	\$ -	\$ -	\$ 6.85	\$ -
6	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	ENERGY CHARGES TOTAL		\$ 6,597,856.71	\$ 6,822,694.79	\$ -	\$ -	\$ 6,822,694.79	\$ (224,838.08)
8	DA Mkt Admin Amount	555.01	\$ 80,502.28	\$ 79,462.34	\$ -	\$ -	\$ 79,462.34	\$ 1,039.94
9	DA FBT Congestion Amount	555.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	DA Congestion Rebate on Option B GFA	555.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	DA Ramp Product	555.63	\$ (492.69)	\$ (492.69)	\$ -	\$ -	\$ (492.69)	\$ -
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 15,037.48	\$ 14,437.77	\$ -	\$ -	\$ 14,437.77	\$ 599.71
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (4,361.86)	\$ (4,126.44)	\$ -	\$ -	\$ (4,126.44)	\$ (235.42)
18	FTR Mkt Admin Amount	555.13	\$ 906.24	\$ 906.24	\$ -	\$ -	\$ 906.24	\$ -
19	FTR Hourly Allocation Amount	555.14	\$ (103,639.19)	\$ (103,639.19)	\$ -	\$ -	\$ (103,639.19)	\$ -
20	FTR Monthly Allocation Amount	555.15	\$ (13,040.38)	\$ (13,040.38)	\$ -	\$ -	\$ (13,040.38)	\$ -
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	RT Mkt Admin Amount	555.18	\$ 10,754.93	\$ 8,769.53	\$ -	\$ -	\$ 8,769.53	\$ 1,985.40
24	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
26	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	RT Distribution of Losses Amount	555.24	\$ (181,634.64)	\$ (181,634.64)	\$ -	\$ -	\$ (181,634.64)	\$ -
29	RT Misc Amount	555.25	\$ 18,720.68	\$ 18,720.68	\$ -	\$ -	\$ 18,720.68	\$ -
30	RT Net Inadvertent Amount	555.27	\$ (8,047.92)	\$ (8,047.92)	\$ -	\$ -	\$ (8,047.92)	\$ -
31	RT Ramp Product	555.64	\$ (68.06)	\$ (68.06)	\$ -	\$ -	\$ (68.06)	\$ -
32	RT Revenue Neutrality Uplift Amount	555.28	\$ 47,923.82	\$ 46,012.18	\$ -	\$ -	\$ 46,012.18	\$ 1,911.64
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	\$ 48,393.73	\$ 46,463.19	\$ -	\$ -	\$ 46,463.19	\$ 1,930.54
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (19,672.68)	\$ -	\$ -	\$ -	\$ -	\$ (19,672.68)
35	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	FTR Full Funding Guarantee Amount	555.36	\$ 7,623.85	\$ 7,623.85	\$ -	\$ -	\$ 7,623.85	\$ -
37	FTR Guarantee Uplift Amount	555.37	\$ (7,722.26)	\$ (7,722.26)	\$ -	\$ -	\$ (7,722.26)	\$ -
38	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (254,454.52)	\$ (254,454.52)	\$ -	\$ -	\$ (254,454.52)	\$ -
39	FTR Annual Transaction Amount	555.38	\$ 254,454.83	\$ 254,454.83	\$ -	\$ -	\$ 254,454.83	\$ -

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
November 2018 includes any adjustments								
No.	Charge Type Description	(A)	(B)	(C)		(D)	(E)	(F)
		Acct	Total	Energy Adjustment Rider		Other	Total	Non-Energy Adj. Rider
				Retail				
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 13,214.72	\$ 13,214.72	\$ -	\$ -	\$ 13,214.72	\$ -
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (23,323.33)	\$ (23,323.33)	\$ -	\$ -	\$ (23,323.33)	\$ -
42	RT Price Volatility Make Whole Payment	555.42	\$ (4,001.77)	\$ (3,842.14)	\$ -	\$ -	\$ (3,842.14)	\$ (159.63)
43	DA_ASM_REG	555.43	\$ (12,973.81)	\$ (12,973.81)	\$ -	\$ -	\$ (12,973.81)	\$ -
44	DA_ASM_SPIN	555.44	\$ (23,438.35)	\$ (23,438.35)	\$ -	\$ -	\$ (23,438.35)	\$ -
45	DA_ASM_SUPP	555.45	\$ (2,962.97)	\$ (2,962.97)	\$ -	\$ -	\$ (2,962.97)	\$ -
46	RT_ASM_REG	555.46	\$ 3,150.65	\$ 3,150.65	\$ -	\$ -	\$ 3,150.65	\$ -
47	RT_ASM_SPIN	555.47	\$ 2,029.86	\$ 2,029.86	\$ -	\$ -	\$ 2,029.86	\$ -
48	RT_ASM_SUPP	555.48	\$ 1,128.46	\$ 1,128.46	\$ -	\$ -	\$ 1,128.46	\$ -
49	RT_ASM_NRGA	555.49	\$ (22.40)	\$ (22.40)	\$ -	\$ -	\$ (22.40)	\$ -
50	RT_ASM_EXE_DFE_DEP	555.50	\$ 734.32	\$ 734.32	\$ -	\$ -	\$ 734.32	\$ -
51	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52	RT_ASM_REG_DIST	555.52	\$ 21,321.61	\$ 21,321.61	\$ -	\$ -	\$ 21,321.61	\$ -
53	RT_ASM_SPIN_DIST	555.53	\$ 22,915.82	\$ 22,915.82	\$ -	\$ -	\$ 22,915.82	\$ -
54	RT_ASM_SUPP_DIST	555.54	\$ 2,692.23	\$ 2,692.23	\$ -	\$ -	\$ 2,692.23	\$ -
55	RT ASM Non-Excessive Energy Amount	555.55	\$ 659,654.69	\$ 825,682.02	\$ -	\$ -	\$ 825,682.02	\$ (166,027.33)
56	RT ASM Excessive Energy Amount	555.56	\$ (277.47)	\$ 8.59	\$ -	\$ -	\$ 8.59	\$ (286.06)
57	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58	RT Demand Response Allocation Uplift Amount	555.59	\$ (0.02)	\$ (0.02)	\$ -	\$ -	\$ (0.02)	\$ -
59	ENERGY CHARGES TOTAL		\$ 551,025.88	\$ 729,939.77	\$ -	\$ -	\$ 729,939.77	\$ (178,913.89)
60	TOTAL MISO DAY 2 CHARGES		\$ 7,148,882.59	\$ 7,552,634.56	\$ -	\$ -	\$ 7,552,634.56	\$ (403,751.97)
61	Less: MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 7,148,882.59	\$ 7,552,634.56	\$ -	\$ -	\$ 7,552,634.56	\$ (403,751.97)

Otter Tail Power Company Monthly MISO Day 2 Charges for ND Energy Adjustment Rider - System January - December 2018 Includes Any Adjustments															
Charge Type Description		Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss														
1	DA Asset Energy Amount	555.02	\$ 5,335,812.71	\$ 3,503,515.32	\$ 2,648,996.84	\$ 3,284,199.06	\$ 1,936,871.91	\$ 1,795,738.85	\$ 1,878,059.60	\$ 1,879,896.84	\$ 1,787,046.36	\$ 5,673,759.60	\$ 6,505,574.03	\$ -	\$ 36,229,471.12
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	DA Non-asset Energy Amount	555.09	\$ (163,869.40)	\$ (113,957.88)	\$ (109,993.71)	\$ (109,045.55)	\$ (102,425.54)	\$ (105,631.14)	\$ (128,994.54)	\$ (121,640.27)	\$ (109,195.65)	\$ (127,743.64)	\$ (142,469.81)	\$ -	\$ (1,334,967.13)
4	RT Asset Energy Amount	555.19	\$ (1,725,443.82)	\$ 461,948.74	\$ 1,369,279.85	\$ (34,912.83)	\$ (4,991.09)	\$ 185,078.01	\$ (222,633.89)	\$ (126,743.26)	\$ 323,512.45	\$ 119,452.70	\$ 459,583.72	\$ -	\$ 804,130.58
5	RT Distribution of Losses Amount	555.24	\$ (342,755.84)	\$ (212,288.58)	\$ (134,687.00)	\$ (138,871.10)	\$ (90,166.13)	\$ (143,764.78)	\$ (170,283.39)	\$ (167,389.86)	\$ (112,572.68)	\$ (128,117.86)	\$ (181,634.64)	\$ -	\$ (1,822,540.86)
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	RT Non-Asset Energy Amount	555.26	\$ 12.63	\$ 197.04	\$ (0.45)	\$ 422.87	\$ 7.66	\$ 16.10	\$ 106.20	\$ 1,774.73	\$ 4.72	\$ 137.86	\$ 6.85	\$ -	\$ 2,686.21
8	TOTAL		\$ 3,103,756.28	\$ 3,639,414.64	\$ 3,773,595.53	\$ 3,001,792.45	\$ 1,739,296.81	\$ 1,731,437.04	\$ 1,356,253.98	\$ 1,465,889.18	\$ 1,888,795.20	\$ 5,537,488.66	\$ 6,641,060.15	\$ -	\$ 33,878,779.92
Virtual Energy															
9	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Schedules 16 & 17															
12	DA Mkt Admin Amount	555.01	\$ 67,021.30	\$ 56,503.05	\$ 72,424.63	\$ 84,027.59	\$ 55,486.68	\$ 52,265.22	\$ 59,215.75	\$ 47,413.32	\$ 45,497.35	\$ 66,431.50	\$ 79,462.34	\$ -	\$ 685,748.73
13	RT Mkt Admin Amount	555.18	\$ 6,102.05	\$ 3,552.58	\$ 3,935.57	\$ 6,282.43	\$ 5,941.82	\$ 4,388.46	\$ 5,677.77	\$ 3,351.95	\$ 5,314.75	\$ 5,445.91	\$ 8,769.53	\$ -	\$ 58,762.82
14	FTR Mkt Admin Amount	555.13	\$ 1,279.20	\$ 1,757.44	\$ 1,177.92	\$ 1,618.08	\$ 1,179.52	\$ 1,577.20	\$ 2,021.76	\$ 1,803.44	\$ 1,590.08	\$ 1,235.28	\$ 906.24	\$ -	\$ 16,146.16
15	TOTAL		\$ 74,402.55	\$ 61,813.07	\$ 77,538.12	\$ 91,928.10	\$ 62,608.02	\$ 58,230.88	\$ 66,915.28	\$ 52,568.71	\$ 52,402.18	\$ 73,112.69	\$ 89,138.11	\$ -	\$ 760,567.71
Congest & FTRs															
16	DA FBT Congestion Amount	555.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	FTR Hourly Allocation Amount	555.14	\$ (92,735.58)	\$ (77,530.04)	\$ (21,322.38)	\$ 9,437.11	\$ (108,055.96)	\$ (182,939.97)	\$ (100,993.26)	\$ (137,105.97)	\$ (204,368.14)	\$ (328,804.99)	\$ (103,639.19)	\$ -	\$ (1,348,058.37)
19	FTR Monthly Allocation Amount	555.15	\$ (6,322.16)	\$ (9,163.62)	\$ (6,424.81)	\$ (3,511.31)	\$ (5,192.71)	\$ (6,959.31)	\$ (608.33)	\$ (9,202.33)	\$ (4,090.53)	\$ (8,801.54)	\$ (13,040.38)	\$ -	\$ (73,317.03)
20	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ (36,771.13)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (36,771.13)
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ (19,800.26)	\$ (19,957.94)	\$ (9,911.04)	\$ -	\$ -	\$ -	\$ -	\$ (48,810.63)	\$ -	\$ -	\$ (98,479.87)
22	FTR Full Funding Guarantee Amount	555.36	\$ 343.98	\$ (4,425.12)	\$ (3,154.08)	\$ 29,737.86	\$ (5,623.72)	\$ 1,488.58	\$ (2,596.81)	\$ (271.01)	\$ (402.14)	\$ (10,225.24)	\$ 7,623.85	\$ -	\$ 12,496.15
23	FTR Guarantee Uplift Amount	555.37	\$ 3,105.85	\$ 4,425.12	\$ 3,260.25	\$ (32,143.92)	\$ 4,546.91	\$ (1,680.17)	\$ 2,596.72	\$ 271.01	\$ 402.14	\$ (10,225.24)	\$ 7,722.26	\$ -	\$ (12,713.11)
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (206,416.00)	\$ (208,416.00)	\$ (254,012.49)	\$ (254,012.49)	\$ (254,012.49)	\$ (147,040.15)	\$ (147,040.15)	\$ (147,040.15)	\$ (254,454.52)	\$ (254,454.52)	\$ (254,454.52)	\$ -	\$ (2,363,353.48)
25	FTR Annual Transaction Amount	555.38	\$ 206,520.65	\$ 208,520.65	\$ 254,011.82	\$ 254,011.82	\$ 254,011.82	\$ 145,275.97	\$ 145,275.97	\$ 145,275.97	\$ 254,454.83	\$ 254,454.83	\$ 254,454.83	\$ -	\$ 2,378,269.16
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 3,919.50	\$ 3,918.96	\$ 2,885.71	\$ 2,886.24	\$ 2,886.23	\$ 4,175.62	\$ 4,175.62	\$ 4,175.62	\$ 13,214.72	\$ 13,214.72	\$ 13,214.72	\$ -	\$ 68,667.66
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (30,063.26)	\$ (30,038.26)	\$ (20,411.86)	\$ (20,243.26)	\$ (20,295.27)	\$ (35,930.73)	\$ (35,930.73)	\$ (35,930.76)	\$ (23,323.39)	\$ (23,323.33)	\$ (23,323.33)	\$ -	\$ (298,814.18)
28	TOTAL		\$ (121,647.02)	\$ (112,708.31)	\$ (64,968.10)	\$ (70,567.02)	\$ (141,646.23)	\$ (223,610.16)	\$ (135,120.97)	\$ (179,827.62)	\$ (218,567.03)	\$ (396,525.46)	\$ (126,886.28)	\$ -	\$ (1,792,074.20)
RSG & Make Whole Payments															
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 22,952.83	\$ 10,170.15	\$ 11,301.31	\$ 12,656.49	\$ 7,960.68	\$ 7,422.66	\$ 7,078.87	\$ 5,570.99	\$ 4,389.42	\$ 8,219.57	\$ 14,437.77	\$ -	\$ 112,160.74
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (347.07)	\$ (87.65)	\$ (1,224.37)	\$ (66.70)	\$ (2,497.97)	\$ (6,593.46)	\$ (5,939.57)	\$ (1,831.73)	\$ (10,935.60)	\$ (4,126.44)	\$ -	\$ -	\$ (33,555.97)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 88,248.98	\$ 9,062.12	\$ 11,801.19	\$ 36,995.90	\$ 25,040.53	\$ 21,615.72	\$ 44,471.66	\$ 50,369.47	\$ 39,779.27	\$ 21,276.44	\$ 46,463.19	\$ -	\$ 395,124.47
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33	RT Price Volatility Make Whole Payment	555.42	\$ (39,620.11)	\$ (24,304.98)	\$ (16,353.67)	\$ (23,259.17)	\$ (18,065.47)	\$ (12,768.15)	\$ (31,875.83)	\$ (7,314.88)	\$ (10,433.89)	\$ (9,354.29)	\$ (3,842.14)	\$ -	\$ (197,192.58)
34	TOTAL		\$ 71,234.63	\$ (5,160.36)	\$ 5,624.46	\$ 26,326.52	\$ 12,437.77	\$ 12,590.64	\$ 13,081.24	\$ 46,460.19	\$ 31,903.07	\$ 9,206.12	\$ 62,932.38	\$ -	\$ 276,536.66
Revenue Neutrality Uplift															
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 36,871.20	\$ 28,568.03	\$ 70,758.70	\$ 47,738.94	\$ 23,409.07	\$ 124,602.86	\$ 36,863.31	\$ 4,008.67	\$ 3,004.13	\$ 62,272.12	\$ 46,012.18	\$ -	\$ 484,109.21
36	TOTAL		\$ 36,871.20	\$ 28,568.03	\$ 70,758.70	\$ 47,738.94	\$ 23,409.07	\$ 124,602.86	\$ 36,863.31	\$ 4,008.67	\$ 3,004.13	\$ 62,272.12	\$ 46,012.18	\$ -	\$ 484,109.21
Other Charges															
37	RT Misc Amount	555.25	\$ 8,244.49	\$ 25,811.61	\$ 18,854.87	\$ 33,411.73	\$ 12,846.13	\$ 26,368.29	\$ 38,579.67	\$ 10,876.97	\$ 20,846.14	\$ 10,608.67	\$ 18,720.68	\$ -	\$ 227,169.25
38	RT Net Inadvertent Amount	555.27	\$ 4,390.04	\$ 5,935.79	\$ 10,117.82	\$ 8,170.52	\$ 1,145.47	\$ (5,401.58)	\$ 14,825.26	\$ 5,814.87	\$ (6,748.09)	\$ 2,829.87	\$ (8,047.92)	\$ -	\$ 33,032.05
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ 0.02	\$ -	\$ -	\$ (0.03)	\$ -	\$ -	\$ (0.92)	\$ (0.02)	\$ -	\$ (0.95)
41	DA Ramp Product Amount	555.63	\$ (1,758.72)	\$ (666.07)	\$ (2,599.75)	\$ (2,941.81)	\$ (2,863.65)	\$ (2,661.26)	\$ (2,660.90)	\$ (1,613.24)	\$ (2,419.23)	\$ (1,108.95)	\$ (492.69)	\$ -	\$ (21,786.27)
42	RT Ramp Product Amount	555.64	\$ 19.37	\$ 220.74	\$ 370.48	\$ 766.17	\$ 49.05	\$ 345.12	\$ (533.02)	\$ (94.84)	\$ (733.58)	\$ (9.13)	\$ (68.06)	\$ -	\$ 332.30
43	TOTAL		\$ 10,895.18	\$ 31,302.07	\$ 26,743.42	\$ 39,406.63	\$ 11,777.00	\$ 20,650.57	\$ 50,210.98	\$ 14,983.76	\$ 10,945.24	\$ 12,319.54	\$ 10,111.99	\$ -	\$ 238,746.38
ASM Charges															
44	DA_ASM_REG	555.43	\$ (10,258.62)	\$ (25,884.02)	\$ (29,069.13)	\$ (34,808.47)	\$ (61,690.97)	\$ (57,678.60)	\$ (49,893.88)	\$ (45,040.67)	\$ (39,687.50)	\$ (8,259.00)	\$ (12,973.81)	\$ -	\$ (375,244.67)
45	DA_ASM_SPIN	555.44	\$ (23,890.54)	\$ (11,131.20)	\$ (19,220.67)	\$ (26,629.00)	\$ (23,473.20)	\$ (33,275.48)	\$ (22,829.26)	\$ (27,258.04)	\$ (24,996.55)	\$ (38,059.29)	\$ (23,438.35)	\$ -	\$ (274,201.58)
46	DA_ASM_SUPP	555.45	\$ (305.46)	\$ -	\$ -	\$ -	\$ -	\$ (4,480.42)	\$ (6,051.72)	\$ (6,542.66)	\$ (16,773.99)	\$ (7,593.06)	\$ (44,690.28)	\$ -	\$ (44,690.28)
47	RT_ASM_REG	555.46	\$ (15,807.79)	\$ 12,405.15	\$ 11,530.00	\$ 325.95	\$ 2,296.16	\$ 67.55	\$ 1,099.37	\$ (7,128.04)	\$ (7,135.37)	\$ (6,226.14)	\$ 3,150.65	\$ -	\$ (5,422.51)
48	RT_ASM_SPIN	555.47	\$ (12,486.67)	\$ 1,473.23	\$ (1,019.87)	\$ 6,181.33	\$ 7,367.85	\$ 4,506.13	\$ 214.56	\$ 612.92	\$ 173.22	\$ 1,834.50	\$ 2,029.86	\$ -	\$ 10,887.06
49	RT_ASM_SUPP	555.48	\$ 123.13	\$ -	\$ -	\$ -	\$ -	\$ 126.41	\$ 1,065.35	\$ 4,946.98	\$ 6,880.60	\$ 849.72	\$ 1,128.46	\$ -	\$ 15,120.65
50	RT_ASM_NRGA	555.49	\$ 1,267.97	\$ 632.81	\$ (735.82)	\$ (227.88)	\$ 751.04	\$ 405.72	\$ 4,281.99	\$ 7,664.97	\$ 4,430.12	\$ 395.60	\$ (22.40)	\$ -	\$ 18,844.12
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 519.95	\$ 1,765.69	\$ 825.54	\$ 1,859.56	\$ 4,272.39	\$ 3,539.78	\$ 3,778.23	\$ 7,247.60	\$ 1,900.43	\$ 1,284.37	\$ 734.32	\$ -	\$ 27,727.86
52	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,418.42	\$ 16,000.27	\$ -	\$ -	\$ -	\$ 18,418.69
53	RT_ASM_REG_DIST	555.52	\$ 22,893.03	\$ 15,711.16	\$ 15,997.97	\$ 16,370.65	\$ 14,239.85	\$ 12,422.14	\$ 11,687.20	\$ 10,729.03	\$ 10,102.80	\$ 17,722.04	\$ 21,321.61	\$ -	\$ 169,197.48
54	RT_ASM_SPIN_DIST	555.53	\$ 22,843.88	\$ 14,203.86	\$ 18,145.23	\$ 18,746.55	\$ 14,289.67	\$ 14,768.70	\$ 11,557.95	\$ 12,151.11	\$ 13,028.60	\$ 23,680.73	\$ 25,912.82	\$ -	\$ 186,332.10
55	RT_ASM_SUPP_DIST	555.54	\$ 10,102.55	\$ 2,846.07	\$ 3,410.48	\$ 2,904.36	\$ 3,019.11	\$ 6,884.06	\$ 2,176.30	\$ 2,387.84	\$ 4,901.86	\$ 4,819.05	\$ 2,692.23	\$ -	\$ 45,743.91
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 1,424,722.46	\$ 234,396.47	\$ 316,912.68	\$ 567,470.30	\$ 751,734.19	\$ 386,204.41	\$ 697,149.65	\$ 302,664.77	\$ 447,547.01	\$ 157,822.67	\$ 825,682.02	\$ -	\$ 6,112,306.63
57	RT ASM Excessive Energy Amount	555.56	\$ (6.90)	\$ 9.26	\$ 19										

Otter Tail Power Company Monthly MISO Day 2 Charges for ND Non-Energy Adjustment Rider - System January - December 2018 Includes Any Adjustments																
Charge Type Description		Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss															
1	DA Asset Energy Amount	555.02	\$ (79,827.72)	\$ (12,416.72)	\$ (32,966.92)	\$ (108,385.74)	\$ (911,810.38)	\$ (794,384.63)	\$ (645,119.34)	\$ (666,826.41)	\$ (1,012,471.30)	\$ (380,706.48)	\$ (224,838.08)	\$	\$ (4,869,753.72)	
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3	DA Non-asset Energy Amount	555.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4	RT Asset Energy Amount	555.19	\$ 849.03	\$ 627.51	\$ 361.73	\$ 1,821.85	\$ 1,589.89	\$ 1,661.04	\$ 1,274.74	\$ 942.48	\$ 1,644.21	\$ 772.53	\$ 1,985.40	\$	\$ 13,530.41	
5	RT Distribution of Losses Amount	555.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,856,223.31)	
Virtual Energy																
9	DA Virtual Energy Amount	555.12	\$ (6.40)	\$ (58.13)	\$ (77.58)	\$ -	\$ (955.62)	\$ (463.05)	\$ (1,891.22)	\$ (544.12)	\$ (3,202.99)	\$ (207.19)	\$ (235.42)	\$	\$ (7,641.72)	
10	RT Virtual Energy Amount	555.32	\$ (17,921.49)	\$ (2,368.40)	\$ (9,619.60)	\$ (7,599.39)	\$ (2,249.88)	\$ (11,084.76)	\$ (28,193.73)	\$ (8,120.40)	\$ (39,162.12)	\$ (10,155.71)	\$ (19,672.68)	\$	\$ (156,148.16)	
11	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (163,789.88)	
Schedules 16 & 17																
12	DA Mkt Admin Amount	555.01	\$ 115.64	\$ 37.87	\$ 122.03	\$ 423.24	\$ 2,500.68	\$ 2,112.50	\$ 1,426.89	\$ 1,447.02	\$ 3,288.03	\$ 1,308.20	\$ 1,039.94	\$	\$ 13,822.04	
13	RT Mkt Admin Amount	555.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
14	FTR Mkt Admin Amount	555.13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
15	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,822.04	
Congest & FTRs																
16	DA FBT Congestion Amount	555.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
17	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
18	FTR Hourly Allocation Amount	555.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
19	FTR Monthly Allocation Amount	555.15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
20	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
22	FTR Full Funding Guarantee Amount	555.36	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
23	FTR Guarantee Uplift Amount	555.37	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
25	FTR Annual Transaction Amount	555.38	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
28	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
RS&G & Make Whole Payments																
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ 586.17	\$ 245.69	\$ 307.27	\$ 499.96	\$ 730.63	\$ 739.26	\$ 532.34	\$ 419.06	\$ 448.06	\$ 326.63	\$ 599.71	\$	\$ 5,434.78	
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ 941.96	\$ 690.52	\$ 1,924.69	\$ 1,886.11	\$ 2,148.68	\$ 12,412.07	\$ 2,772.81	\$ 301.39	\$ 306.41	\$ 2,476.11	\$ 1,911.64	\$	\$ 27,772.39	
33	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
34	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,207.17	
Revenue Neutrality Uplift																
35	RT Revenue Neutrality Uplift Amount	555.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
36	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Charges																
37	RT Misc Amount	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
38	RT Net Inadvertent Amount	555.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
39	RT Uninstructed Deviation Amount	555.31	\$ 2,254.50	\$ 218.94	\$ 320.79	\$ 1,461.54	\$ 2,298.64	\$ 2,153.15	\$ 3,344.91	\$ 3,790.08	\$ 4,061.32	\$ 845.79	\$ 1,930.54	\$	\$ 22,680.20	
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
41	DA Ramp Product Amount	555.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
42	RT Ramp Product Amount	555.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
43	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,680.20	
ASM Charges																
44	DA_ASM_REG	555.43	\$ (255,813.55)	\$ (275,941.07)	\$ (270,105.71)	\$ (306,485.05)	\$ (104,278.71)	\$ (257,381.81)	\$ (227,701.10)	\$ (150,773.03)	\$ 15,580.35	\$ (76,079.22)	\$ (166,027.33)	\$	\$ (2,075,006.23)	
45	DA_ASM_SPIN	555.44	\$ (397.25)	\$ (28.60)	\$ (77.97)	\$ (937.00)	\$ (1,429.37)	\$ (307.86)	\$ 799.82	\$ (106.39)	\$ (142.65)	\$ (59.99)	\$ (286.06)	\$	\$ (2,973.32)	
46	DA_ASM_SUPP	555.45	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
47	RT_ASM_REG	555.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
48	RT_ASM_SPIN	555.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
49	RT_ASM_SUPP	555.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
50	RT_ASM_NRGA	555.49	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
51	RT_ASM_EXE_DFE_DEP	555.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
52	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
53	RT_ASM_REG_DIST	555.52	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
54	RT_ASM_SPIN_DIST	555.53	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
55	RT_ASM_SUPP_DIST	555.54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
56	RT ASM Non-Excessive Energy Amount	555.55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
57	RT ASM Excessive Energy Amount	555.56	\$ (1,012.23)	\$ (587.56)	\$ (444.85)	\$ (918.97)	\$ (1,658.37)	\$ (1,271.89)	\$ (2,397.77)	\$ (550.47)	\$ (1,065.31)	\$ (371.95)	\$ (159.63)	\$	\$ (10,439.00)	
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
59	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,088,418.55)	
Grandfathered Charge Types																
60	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
61	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
62	DA Congestion Rebate on Option B GFA	555.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
63	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
64	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
65	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
66	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
67	TOTAL MISO DAY 2 CHARGES - Non-Energy Adjustment Rider		\$ (350,231.34)	\$ (289,579.95)	\$ (310,256.12)	\$ (418,233.45)	\$ (1,013,113.81)	\$ (1,045,815.98)	\$ (895,151.65)	\$ (820,020.79)	\$ (1,030,715.99)	\$ (461,851.28)	\$ (403,751.97)	\$	\$ (7,038,722.33)	
68	TOTAL FOR ND NON-ENERGY ADJUSTMENT RIDER		\$ (350,231.34)	\$ (289,579.95)	\$ (310,256.12)	\$ (418,233.45)	\$ (1,013,113.81)	\$ (1,045,815.98)	\$ (895,151.65)	\$ (820,020.79)	\$ (1,030,715.99)	\$ (461,851.28)	\$ (403,751.97)	\$	\$ (7,038,722.33)	

Otter Tail Power Company										
Detail of MISO Day 2 Charges by Charge Group for Current Month - System										
November 2018 includes any adjustments										
Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**		
	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail		
53	RT_ASM_REG_DIST	555.52	\$ 21,308.90	\$ (256.26)	\$ 268.97	\$ 21,321.61	\$ -	\$ 21,321.61	-	-
54	RT_ASM_SPIN_DIST	555.53	\$ 22,775.13	\$ (225.61)	\$ 366.30	\$ 22,915.82	\$ -	\$ 22,915.82	-	-
55	RT_ASM_SUPP_DIST	555.54	\$ 2,614.73	\$ (20.22)	\$ 97.72	\$ 2,692.23	\$ -	\$ 2,692.23	-	-
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 1,011,241.54	\$ (185,525.27)	\$ (34.25)	\$ 825,682.02	\$ (166,027.33)	\$ 659,654.69	36,652	(7,479)
57	RT ASM Excessive Energy Amount	555.56	\$ 13.66	\$ (5.07)	\$ -	\$ 8.59	\$ (286.06)	\$ (277.47)	32	(349)
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
59	TOTAL		\$ 1,071,451.12	\$ (231,884.36)	\$ 699.27	\$ 840,266.03	\$ (166,313.39)	\$ 673,952.64	36,683	(20,829)
Grandfathered Charge Types										
60	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
61	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
62	DA Congestion Rebate on Option B GFA	555.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
63	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
64	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
65	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
66	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
67	TOTAL MISO DAY 2 CHARGES		\$ 15,511,822.48	\$ (8,154,475.99)	\$ 195,288.07	\$ 7,552,634.56	\$ (403,751.97)	\$ 7,148,882.59	497,522	(278,295)
68	Less: MISO RSG Bad Debt				\$ -	\$ -				
69	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 15,511,822.48	\$ (8,154,475.99)	\$ 195,288.07	\$ 7,552,634.56				
70	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 7,552,634.56						
71	Net KWH for retail = ((G) + (H)) * 1,000			219,226,988					219,226,988	
72	November covers time period of 10/24/2018 -- 11/22/2018 ** increased for losses of 2.8%									
73	MISO Book Totals		\$ 7,357,346.49	219,226,988						
74	MISO RSG Bad Debt		\$ -							
75	November Adjustments		\$ 195,288.07	6,615,623						
76	Total MISO		\$ 7,552,634.56	225,842,611						

Otter Tail Power Company
Plant Conditions for November 2018

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	83,699	50.0	48.4	11.00	Scheduled	Planned Major Outage	6.19	Under
				2.11	Forced	Tube Leak		
				1.18	Forced	Tube Leak		
Coyote	78,272	77.0	73.5	3.70	Forced	Boiler Screen Tube Leaks	29.45	Over
				3.23	Forced	Wall Tube Leak 6th Floor		
Hoot Lake Unit 2	20,080	88.8	69.8	3.35	Forced	Precipitator Inspection	28.08	Under
Hoot Lake Unit 3	35,820	87.9	83.8	1.67	Forced	Tube Repair Economizer Roof	28.08	Under
				1.97	Forced	Precipitator Cleaning		

Note:

Due to the infrequent and sometimes minimal operation of the Hoot Lake Units, the budget fuel price will be calculated annually with the total coal fuel costs for both units divided by the total coal tons for both units. The result will be a constant monthly budget \$/ton compared to the actual coal burned \$/ton that is calculated monthly. Both Hoot Lake Unit's Fuel Prices % and Actual vs Budget will therefore be the same.

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
November 2018 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$ 2,944.80	\$ -	\$ (15.20)	\$ 2,929.60	117	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	TOTAL		\$ 2,944.80	\$ -	\$ (15.20)	\$ 2,929.60	117	-
RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 54.08	\$ -	\$ (0.61)	\$ 53.47	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9	TOTAL		\$ 54.08	\$ -	\$ (0.61)	\$ 53.47	-	-
Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 36.78	\$ (0.51)	\$ 0.09	\$ 36.36	-	-
11	TOTAL		\$ 36.78	\$ (0.51)	\$ 0.09	\$ 36.36	-	-
Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 4.04	\$ -	\$ (0.06)	\$ 3.98	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 11.36	\$ -	\$ (0.18)	\$ 11.18	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 22.17	\$ -	\$ (0.02)	\$ 22.15	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 1.82	\$ -	\$ -	\$ 1.82	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (10.12)	\$ -	\$ (10.12)	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (14,984.83)	\$ (121.32)	\$ (15,106.15)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.22	\$ -	\$ -	\$ 0.22	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.66)	\$ -	\$ (0.66)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.42)	\$ -	\$ (0.42)	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 29,807.94	\$ (61,251.99)	\$ (38.48)	\$ (31,482.53)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 7,745.20	\$ (23,045.29)	\$ (10.61)	\$ (15,310.70)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (0.36)	\$ (0.36)	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27	TOTAL		\$ 37,592.75	\$ (99,293.31)	\$ (171.03)	\$ (61,871.59)	-	-
Grandfathered Charge Types								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 9.09	\$ (0.12)	\$ (0.10)	\$ 8.87	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
31	TOTAL		\$ 9.09	\$ (0.12)	\$ (0.10)	\$ 8.87	-	-
32	TOTAL SPP CHARGES		\$ 40,637.50	\$ (99,293.94)	\$ (186.85)	\$ (58,843.29)	117	-
33	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (58,843.29)				
34	Net KWH for retail = ((F) + (G)) * 1,000						116,684	
35	November 2018 covers time period of 10/24/2018 - 11/22/2018							** (F) and (G) increased for losses of 2.8%
36	SPP Book Totals		\$ (58,656.44)	116,684				
37	Adjustments		\$ (186.85)	-				
38	Total SPP		\$ (58,843.29)	116,684				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group - System Year to Date 2018 includes any adjustments															
Charge Type Description		Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
Day Ahead & Real Time Asset & Non Asset Energy & Loss															
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,220.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,220.75
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	RT Asset Energy Amount	555.09	\$ 0.36	\$ 558.70	\$ 487.99	\$ 663.47	\$ 1,006.91	\$ (1,189.93)	\$ 3,586.30	\$ 1,039.91	\$ 886.97	\$ 899.51	\$ 2,929.60	\$ -	\$ 10,869.79
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	TOTAL		\$ 0.36	\$ 558.70	\$ 487.99	\$ 663.47	\$ 1,006.91	\$ 1,030.82	\$ 3,586.30	\$ 1,039.91	\$ 886.97	\$ 899.51	\$ 2,929.60	\$ -	\$ 13,090.54
RSG & Make Whole Payments															
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9.84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9.84
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 24.69	\$ 10.47	\$ 19.52	\$ 9.72	\$ 45.18	\$ 84.14	\$ 87.84	\$ 47.87	\$ 39.88	\$ 34.57	\$ 53.47	\$ -	\$ 457.35
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	TOTAL		\$ 24.69	\$ 10.47	\$ 19.52	\$ 9.72	\$ 45.18	\$ 93.98	\$ 87.84	\$ 47.87	\$ 39.88	\$ 34.57	\$ 53.47	\$ -	\$ 467.19
Revenue Neutrality Uplift															
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ (0.22)	\$ 6.13	\$ (0.46)	\$ 1.90	\$ 19.12	\$ 1.62	\$ 4.95	\$ 1.99	\$ 11.37	\$ 5.40	\$ 36.36	\$ -	\$ 88.16
11	TOTAL		\$ (0.22)	\$ 6.13	\$ (0.46)	\$ 1.90	\$ 19.12	\$ 1.62	\$ 4.95	\$ 1.99	\$ 11.37	\$ 5.40	\$ 36.36	\$ -	\$ 88.16
Other Charges															
12	DA Regulation-Down Distribution Amount	555.04	\$ (6.08)	\$ 0.38	\$ 4.38	\$ 1.09	\$ 1.78	\$ 0.53	\$ 3.96	\$ 0.79	\$ 2.54	\$ 1.11	\$ 3.98	\$ -	\$ 14.46
13	DA Regulation-Up Distribution Amount	555.05	\$ (5.10)	\$ 0.46	\$ 1.92	\$ 1.08	\$ 2.50	\$ 0.84	\$ 9.34	\$ 2.26	\$ 5.40	\$ 2.26	\$ 11.18	\$ -	\$ 32.14
14	DA Spinning Reserve Distribution Amount	555.06	\$ (2.15)	\$ 1.94	\$ 4.22	\$ 2.81	\$ 6.40	\$ 3.99	\$ 9.90	\$ 4.09	\$ 8.63	\$ 4.79	\$ 22.15	\$ -	\$ 66.77
15	DA Supplemental Reserve Distribution Amount	555.07	\$ (0.95)	\$ -	\$ 0.01	\$ -	\$ 0.59	\$ 0.78	\$ 1.35	\$ 0.48	\$ 0.86	\$ -	\$ 1.82	\$ -	\$ 4.94
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (0.06)	\$ -	\$ -	\$ -	\$ (10.12)	\$ -	\$ (10.18)
17	RT Over-Collected Losses Distribution Amount	555.11	\$ (15,957.84)	\$ (11,617.08)	\$ (9,294.53)	\$ (8,706.19)	\$ (6,493.59)	\$ (9,678.18)	\$ (11,742.85)	\$ (8,878.02)	\$ (10,161.69)	\$ (14,685.94)	\$ (15,106.15)	\$ -	\$ (122,322.06)
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.47	\$ -	\$ (0.25)	\$ (0.01)	\$ (0.06)	\$ (0.02)	\$ (1.04)	\$ -	\$ (0.12)	\$ -	\$ 0.22	\$ -	\$ (0.81)
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ 0.36	\$ -	\$ (0.17)	\$ (0.05)	\$ (0.13)	\$ (0.02)	\$ (0.48)	\$ (0.05)	\$ (0.02)	\$ -	\$ (0.66)	\$ -	\$ (1.22)
20	RT Regulation-Up Distribution Amount	555.14	\$ (0.01)	\$ -	\$ (0.06)	\$ (0.10)	\$ (0.17)	\$ (0.08)	\$ (1.69)	\$ -	\$ (0.57)	\$ -	\$ (0.42)	\$ -	\$ (3.10)
21	RT Spinning Reserve Distribution Amount	555.16	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.01
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	RT Pseudo Tie Congestion Amount	555.20	\$ (54,917.14)	\$ 2,949.70	\$ (44,570.23)	\$ (28,904.83)	\$ (60,648.05)	\$ (55,653.96)	\$ (71,945.36)	\$ (31,072.61)	\$ (70,041.37)	\$ 96,018.52	\$ (31,482.53)	\$ -	\$ (350,267.86)
24	RT Pseudo Tie Loss Amount	555.21	\$ (10,914.02)	\$ 10,841.89	\$ (7,491.27)	\$ (11,687.88)	\$ (21,199.11)	\$ (25,153.29)	\$ (27,543.31)	\$ (15,167.05)	\$ (22,255.16)	\$ (12,974.17)	\$ (15,310.70)	\$ -	\$ (158,854.07)
25	Miscellaneous Amount	555.23	\$ (25.19)	\$ (13.73)	\$ (12.37)	\$ (0.48)	\$ (0.43)	\$ (1.26)	\$ (0.82)	\$ (0.24)	\$ 3.52	\$ 0.02	\$ (0.36)	\$ -	\$ (51.34)
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (132,745.56)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (132,745.56)
27	TOTAL		\$ (81,827.64)	\$ 2,163.56	\$ (61,358.35)	\$ (49,294.56)	\$ (88,330.27)	\$ (223,226.23)	\$ (111,211.06)	\$ (55,110.35)	\$ (102,437.98)	\$ 68,366.59	\$ (61,871.59)	\$ -	\$ (764,137.88)
Grandfathered Charge Types															
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ (0.31)	\$ 0.72	\$ 1.01	\$ 1.22	\$ 1.42	\$ 3.74	\$ 11.02	\$ 4.62	\$ (1.73)	\$ 3.51	\$ 8.87	\$ -	\$ 34.09
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	\$ 0.03	\$ (0.03)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	TOTAL		\$ (0.31)	\$ 0.72	\$ 1.01	\$ 1.22	\$ 1.45	\$ 3.71	\$ 11.02	\$ 4.62	\$ (1.73)	\$ 3.51	\$ 8.87	\$ -	\$ 34.09
32	TOTAL SPP CHARGES - Energy Adjustment Rider		\$ (81,803.12)	\$ 2,739.58	\$ (60,850.29)	\$ (48,618.25)	\$ (87,257.61)	\$ (222,096.10)	\$ (107,520.95)	\$ (54,015.96)	\$ (101,501.49)	\$ 69,309.58	\$ (58,843.29)	\$ -	\$ (750,457.90)