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March 22, 2019

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

Dear Mr. Nitschke:

Enclosed is detail for determination of the Energy Adjustment Rider rates by Service Category based on the four months ending February 2019.

Per Commission approval in Case No. PU-17-398, the following changes to the Energy Adjustment Rider are reflected in the rates effective April 1, 2019:

1. All applicable revenues and costs allowed for recovery in the Energy Adjustment Rider will be recovered through a one-part fuel cost rate in the Energy Adjustment Rider rates. No fuel-related costs are recovered through base rates for service rendered on and after February 1, 2019.
2. The "E8760" Energy Adjustment Factor Ratios will be used to calculate the Class Energy Adjustment Factors (EAF) for each customer service category defined by Customer class. The Class Energy Adjustment Factors (EAF) are applicable on bills rendered on and after February 1, 2019.
3. The recovery of the reagent and emissions allowance costs are now recovered in the Energy Adjustment Rider. The Reagent and Emissions Allowance Adjustment Rider portion of the Environmental Cost Recovery Rider (Electric Rate Schedule Section 13.08) is no longer in effect.
4. The recovery of Coyote Station pebble lime reagent is no longer in base rates, but will be recovered in the Energy Adjustment Rider.

Information supporting the adjustments is enclosed. The costs reported in the supporting detail are based on the provisions of the Energy Adjustment Rider by Service Category approved by the Commission in the Order dated September 26, 2018, in Case No. PU-17-398.

Mr. Steve Kahl  
March 22, 2019  
Page Two

**Otter Tail Power Company submits an original and two (2) copies each of the following:**

- 1) Calculation of the April 2019 Energy Adjustment Rider based on the four-month period ending February 2019.
- 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.

Included with this month's calculation are revised 2017 (marked as Trade Secret) and 2018 year to date Attachment C schedules along with a revised January 2019 Attachment C. These updated schedules do not reflect any change to the overall costs, but only the categorization of the costs. The cell references to a source spreadsheet were incorrect. Those items that have been corrected are hi-lited in the updated Attachment C schedules.

- 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 February 2019 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 BY SERVICE CATEGORY  
 FOR BILLING TO BE EFFECTIVE APRIL 1, 2019

Line	ENERGY COSTS & CREDITS	(A)	(B)	(C)	(D)	(E)
		2018 November	2018 December	2019 January	2019 February	Total This Period
1	Purchased Power	\$1,533,062	\$1,449,640	\$2,056,455	\$1,419,828	\$6,458,985
2	Wind Curtailment	(\$46,591)	\$208	(\$1,064)	\$0	(\$47,447)
3	Steam Plant Generation	\$4,799,485	\$6,152,126	\$5,928,483	\$5,947,767	\$22,827,861
4	Other Plant Generation	\$206,806	\$124,324	\$527,221	\$120,474	\$978,825
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Steam Plant Reagents	\$128,563	\$224,957	\$246,762	\$246,770	\$847,052
7	Coyote Lime	\$61,589	\$78,592	\$78,947	\$57,049	\$276,177
8	Emission Allowance Purchase	\$673	\$1,508	\$1,139	\$139	\$3,460
9	Less: Intersystem Sales	(\$267,611)	(\$327,495)	(\$286,626)	(\$537,699)	(\$1,419,431)
10	Net Retail MISO Day 2	\$7,552,635	\$3,992,561	\$4,506,856	\$6,299,194	\$22,351,245
11	Net Retail SPP	(\$58,843)	(\$140,595)	(\$22,061)	\$178,313	(\$43,187)
12	NET ENERGY COSTS	\$13,909,768	\$11,555,826	\$13,036,112	\$13,731,834	\$52,233,540

Line	ASSET-BASED MARGINS	2019	2019	2019	2019	Total
		January	February	March	April	This Period
13	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
14	True-up of prior months margin forecast	(\$115,416)	(\$69,536)	(\$6,032)	(\$164,402)	(\$355,386)
15	Total Margin Credit	(\$115,416)	(\$69,536)	(\$6,032)	(\$164,402)	(\$355,386)
16a	Prior (over) under recovery (line 28)					(\$287,241)
16b	Prior (over) under recovery Reagents Costs and Credits Balance (line 34)					\$0
17	Adjusted Net Energy Costs (lines 12 + 15 + 16a + 16b)					\$51,590,913

Line	ENERGY -- KWH	2018	2018	2019	2019	Total
		November	December	January	February	This Period
18	Retail Sales - kWhs	413,796,707	426,917,113	533,928,769	564,122,668	1,938,765,257
19	System Delivered Cost per kWh					\$0.02661

20	Service Category	E2-E8760 Alloc. Ratio	Class Energy Adjustment Factor (EAF)
20a	Residential	1.0250	\$ 0.02728
20b	Farms	0.9690	\$ 0.02579
20c	General Service	1.0160	\$ 0.02704
20d	Large General Service	0.9670	\$ 0.02573
20e	Irrigation Services	0.9370	\$ 0.02493
20f	Outdoor Lighting	0.7840	\$ 0.02086
20g	OPA	1.0110	\$ 0.02690
20h	Controlled Service Water Heating	1.0350	\$ 0.02754
20i	Controlled Service Interruptible	1.0370	\$ 0.02759
20j	Controlled Service Deferred	0.9630	\$ 0.02563

**TRUE UP FOR FEBRUARY**

21	Retail Sales (kWhs) (Col D, Line 18)	564,122,668
22	Net Energy Costs for the System -- Most recent month (Col D Line 12, Col B Line 15)	\$13,662,298
23	COE Recovery Rate Effective for February	\$0.03163
24	Amount Recovered by COE (Line 23 x Line 21)	\$17,843,200
25	(Over) / Under Recovery (Line 22 minus Line 24)	(\$4,180,902)
26	Cumulative (Over) / Under Recovery Reagents/Emissions (Line 34 of prior month)	(\$9,518)
27	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under) (Line 25 + 26 current month + Line 28 prior month)	<b>(\$287,241)</b>

<b>Otter Tail Power Company</b>								
<b>Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System</b>								
<b>February 2018 includes any adjustments</b>								
No.	Charge Type Description	(A) Acct	(B) Total	(C) Energy Adjustment Rider		(D) Other	(E) Total	(F) Non-Energy Adj. Rider
				Retail	Other			
1	DA Asset Energy Amount	555.02	\$ 6,406,562.51	\$ 6,411,561.89	\$ -	\$ -	\$ 6,411,561.89	\$ (4,999.38)
2	DA Non-asset Energy Amount	555.09	\$ (125,963.49)	\$ (125,963.49)	\$ -	\$ -	\$ (125,963.49)	\$ -
3	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19	\$ (125,312.82)	\$ (125,312.82)	\$ -	\$ -	\$ (125,312.82)	\$ -
5	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>7</b>	<b>ENERGY CHARGES TOTAL</b>		<b>\$ 6,155,286.20</b>	<b>\$ 6,160,285.58</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,160,285.58</b>	<b>\$ (4,999.38)</b>
8	DA Mkt Admin Amount	555.01	\$ 58,648.53	\$ 58,638.37	\$ -	\$ -	\$ 58,638.37	\$ 10.16
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	\$ (292.04)	\$ (292.04)	\$ -	\$ -	\$ (292.04)	\$ -
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 14,546.76	\$ 14,253.65	\$ -	\$ -	\$ 14,253.65	\$ 293.11
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (82.84)	\$ (82.84)	\$ -	\$ -	\$ (82.84)	\$ -
18	FTR Mkt Admin Amount	555.13	\$ 1,084.80	\$ 1,084.80	\$ -	\$ -	\$ 1,084.80	\$ -
19	FTR Hourly Allocation Amount	555.14	\$ (474,415.39)	\$ (474,415.39)	\$ -	\$ -	\$ (474,415.39)	\$ -
20	FTR Monthly Allocation Amount	555.15	\$ (17,836.05)	\$ (17,836.05)	\$ -	\$ -	\$ (17,836.05)	\$ -
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	FTR Yearly Allocation Amount	555.17	\$ 0.32	\$ 0.32	\$ -	\$ -	\$ 0.32	\$ -
23	RT Mkt Admin Amount	555.18	\$ 5,387.93	\$ 4,674.95	\$ -	\$ -	\$ 4,674.95	\$ 712.98
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	\$ (352,171.94)	\$ (352,171.94)	\$ -	\$ -	\$ (352,171.94)	\$ -
29	RT Misc Amount	555.25	\$ 19,866.13	\$ 19,866.13	\$ -	\$ -	\$ 19,866.13	\$ -
30	RT Net Inadvertent Amount	555.27	\$ (13,832.29)	\$ (13,832.29)	\$ -	\$ -	\$ (13,832.29)	\$ -
31	RT Ramp Product	555.64	\$ (24.24)	\$ (24.24)	\$ -	\$ -	\$ (24.24)	\$ -
32	RT Revenue Neutrality Uplift Amount	555.28	\$ 208,621.41	\$ 204,415.96	\$ -	\$ -	\$ 204,415.96	\$ 4,205.45
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	\$ 75,490.22	\$ 73,968.64	\$ -	\$ -	\$ 73,968.64	\$ 1,521.58
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (250,339.31)	\$ -	\$ -	\$ -	\$ -	\$ (250,339.31)
35	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	FTR Full Funding Guarantee Amount	555.36	\$ (20,867.77)	\$ (20,867.77)	\$ -	\$ -	\$ (20,867.77)	\$ -
37	FTR Guarantee Uplift Amount	555.37	\$ 24,028.72	\$ 24,028.72	\$ -	\$ -	\$ 24,028.72	\$ -
38	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (120,228.93)	\$ (120,228.93)	\$ -	\$ -	\$ (120,228.93)	\$ -
39	FTR Annual Transaction Amount	555.38	\$ 120,228.57	\$ 120,228.57	\$ -	\$ -	\$ 120,228.57	\$ -

<b>Otter Tail Power Company</b>								
<b>Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System</b>								
<b>February 2018 includes any adjustments</b>								
No.	Charge Type Description	(A)	(B)	(C)		(D)	(E)	(F)
		Acct	Total	Energy Adjustment Rider		Other	Total	Non-Energy Adj. Rider
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 4,346.94	\$ 4,346.94	\$ -	\$ -	\$ 4,346.94	\$ -
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (29,396.54)	\$ (29,396.54)	\$ -	\$ -	\$ (29,396.54)	\$ -
42	RT Price Volatility Make Whole Payment	555.42	\$ (7,639.34)	\$ (7,485.35)	\$ -	\$ -	\$ (7,485.35)	\$ (153.99)
43	DA_ASM_REG	555.43	\$ (25,638.63)	\$ (25,638.63)	\$ -	\$ -	\$ (25,638.63)	\$ -
44	DA_ASM_SPIN	555.44	\$ (16,058.37)	\$ (16,058.37)	\$ -	\$ -	\$ (16,058.37)	\$ -
45	DA_ASM_SUPP	555.45	\$ (5,674.50)	\$ (5,674.50)	\$ -	\$ -	\$ (5,674.50)	\$ -
46	RT_ASM_REG	555.46	\$ (3,691.21)	\$ (3,691.21)	\$ -	\$ -	\$ (3,691.21)	\$ -
47	RT_ASM_SPIN	555.47	\$ 1,662.43	\$ 1,662.43	\$ -	\$ -	\$ 1,662.43	\$ -
48	RT_ASM_SUPP	555.48	\$ 4,463.51	\$ 4,463.51	\$ -	\$ -	\$ 4,463.51	\$ -
49	RT_ASM_NRGA	555.49	\$ 571.24	\$ 571.24	\$ -	\$ -	\$ 571.24	\$ -
50	RT_ASM_EXE_DFE_DEP	555.50	\$ 3,312.19	\$ 3,312.19	\$ -	\$ -	\$ 3,312.19	\$ -
51	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52	RT_ASM_REG_DIST	555.52	\$ 15,147.12	\$ 15,147.12	\$ -	\$ -	\$ 15,147.12	\$ -
53	RT_ASM_SPIN_DIST	555.53	\$ 16,699.61	\$ 16,699.61	\$ -	\$ -	\$ 16,699.61	\$ -
54	RT_ASM_SUPP_DIST	555.54	\$ 5,115.12	\$ 5,115.12	\$ -	\$ -	\$ 5,115.12	\$ -
55	RT ASM Non-Excessive Energy Amount	555.55	\$ 172,232.28	\$ 654,402.70	\$ -	\$ -	\$ 654,402.70	\$ (482,170.42)
56	RT ASM Excessive Energy Amount	555.56	\$ (604.24)	\$ (276.69)	\$ -	\$ -	\$ (276.69)	\$ (327.55)
57	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59	<b>ENERGY CHARGES TOTAL</b>		\$ (587,339.80)	\$ 138,908.19	\$ -	\$ -	\$ 138,908.19	\$ (726,247.99)
60	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 5,567,946.40	\$ 6,299,193.77	\$ -	\$ -	\$ 6,299,193.77	\$ (731,247.37)
61	<b>Less: MISO RSG Bad Debt</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62	<b>TOTAL FOR ND COST OF ENERGY ADJUSTMENT</b>		\$ 5,567,946.40	\$ 6,299,193.77	\$ -	\$ -	\$ 6,299,193.77	\$ (731,247.37)

Otter Tail Power Company Monthly MISO Day 2 Charges for ND Energy Adjustment Rider - System January - December 2019 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	\$ 3,939,295.11	\$ 6,411,561.89											\$ 10,350,857.00
2	DA FBT Loss Amount	555.04	\$ -	\$ -											\$ -
3	DA Non-asset Energy Amount	555.09	\$ (113,446.83)	\$ (125,963.49)											\$ (239,410.32)
4	RT Asset Energy Amount	555.19	\$ 367,347.25	\$ (125,312.82)											\$ 242,034.43
5	RT Distribution of Losses Amount	555.24	\$ (227,109.25)	\$ (352,171.94)											\$ (579,281.19)
6	RT FBT Loss Amount	555.21	\$ -	\$ -											\$ -
7	RT Non-Asset Energy Amount	555.26	\$ (9.64)	\$ -											\$ (9.64)
8	<b>TOTAL</b>		<b>\$ 3,966,076.64</b>	<b>\$ 5,808,113.64</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,774,190.28</b>
<b>Virtual Energy</b>															
9	DA Virtual Energy Amount	555.12	\$ -	\$ -											\$ -
10	RT Virtual Energy Amount	555.32	\$ -	\$ -											\$ -
11	<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>															
12	DA Mkt Admin Amount	555.01	\$ 50,841.13	\$ 58,638.37											\$ 109,479.50
13	RT Mkt Admin Amount	555.18	\$ 4,324.17	\$ 4,674.95											\$ 8,999.12
14	FTR Mkt Admin Amount	555.13	\$ 2,038.00	\$ 1,084.80											\$ 3,122.80
15	<b>TOTAL</b>		<b>\$ 57,203.30</b>	<b>\$ 64,398.12</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 121,601.42</b>
<b>Congest &amp; FTRs</b>															
16	DA FBT Congestion Amount	555.03	\$ -	\$ -											\$ -
17	RT FBT Congestion Amount	555.20	\$ -	\$ -											\$ -
18	FTR Hourly Allocation Amount	555.14	\$ (276,556.29)	\$ (474,415.39)											\$ (750,971.68)
19	FTR Monthly Allocation Amount	555.15	\$ (10,414.07)	\$ (17,836.05)											\$ (28,250.12)
20	FTR Yearly Allocation Amount	555.17	\$ (25,712.96)	\$ 0.32											\$ (25,712.64)
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -											\$ -
22	FTR Full Funding Guarantee Amount	555.36	\$ 21,847.02	\$ (20,867.77)											\$ 979.25
23	FTR Guarantee Uplift Amount	555.37	\$ (20,444.89)	\$ 24,028.72											\$ 3,583.83
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (120,228.93)	\$ (120,228.93)											\$ (240,457.86)
25	FTR Annual Transaction Amount	555.38	\$ 120,228.57	\$ 120,228.57											\$ 240,457.14
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 4,347.98	\$ 4,346.94											\$ 8,694.92
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (28,943.64)	\$ (29,396.54)											\$ (58,340.18)
28	<b>TOTAL</b>		<b>\$ (335,877.21)</b>	<b>\$ (614,140.13)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (850,017.34)</b>
<b>RSG &amp; Make Whole Payments</b>															
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 8,907.45	\$ 14,253.65											\$ 23,161.10
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (732.33)	\$ (82.84)											\$ (815.17)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 19,063.53	\$ 73,968.64											\$ 93,032.17
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -											\$ -
33	RT Price Volatility Make Whole Payment	555.42	\$ (8,917.61)	\$ (7,485.35)											\$ (16,402.96)
34	<b>TOTAL</b>		<b>\$ 18,321.04</b>	<b>\$ 80,654.10</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 98,975.14</b>
<b>Revenue Neutrality Uplift</b>															
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 9,389.57	\$ 204,415.96											\$ 213,805.53
36	<b>TOTAL</b>		<b>\$ 9,389.57</b>	<b>\$ 204,415.96</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 213,805.53</b>
<b>Other Charges</b>															
37	RT Misc Amount	555.25	\$ 25,643.70	\$ 19,866.13											\$ 45,509.83
38	RT Net Inadvertent Amount	555.27	\$ (3,760.74)	\$ (13,632.29)											\$ (17,393.03)
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -											\$ -
40	RT Demand Response Allocation Uplift Amount	555.59	\$ 0.02	\$ -											\$ 0.02
41	DA Ramp Product Amount	555.63	\$ (381.76)	\$ (292.04)											\$ (673.80)
42	RT Ramp Product Amount	555.64	\$ (212.78)	\$ (24.24)											\$ (237.02)
43	<b>TOTAL</b>		<b>\$ 21,288.44</b>	<b>\$ 5,717.56</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 27,006.00</b>
<b>ASM Charges</b>															
44	DA_ASM_REG	555.43	\$ (44,978.34)	\$ (25,638.63)											\$ (70,616.97)
45	DA_ASM_SPIN	555.44	\$ (15,797.46)	\$ (16,058.37)											\$ (31,855.83)
46	DA_ASM_SUPP	555.45	\$ (2,095.48)	\$ (5,674.50)											\$ (7,769.98)
47	RT_ASM_REG	555.46	\$ 4,514.54	\$ (3,691.21)											\$ 823.33
48	RT_ASM_SPIN	555.47	\$ 1,743.66	\$ 1,662.43											\$ 3,406.09
49	RT_ASM_SUPP	555.48	\$ 1,195.80	\$ 4,463.51											\$ 5,659.31
50	RT_ASM_NRGA	555.49	\$ 2,689.65	\$ 571.24											\$ 3,260.89
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 1,899.17	\$ 3,312.19											\$ 5,211.36
52	RT_ASM_CRDFC	555.51	\$ -	\$ -											\$ -
53	RT_ASM_REG_DIST	555.52	\$ 16,076.01	\$ 15,147.12											\$ 31,223.13
54	RT_ASM_SPIN_DIST	555.53	\$ 14,325.82	\$ 16,699.61											\$ 31,025.43
55	RT_ASM_SUPP_DIST	555.54	\$ 2,089.29	\$ 5,115.12											\$ 7,204.41
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 789,104.32	\$ 654,402.70											\$ 1,443,507.02
57	RT ASM Excessive Energy Amount	555.56	\$ (313.14)	\$ (276.69)											\$ (589.83)
58	RT ASM MISC	555.25	\$ -	\$ -											\$ -
59	<b>TOTAL</b>		<b>\$ 770,483.84</b>	<b>\$ 650,034.52</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,420,488.36</b>
<b>Grandfathered Charge Types</b>															
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	<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
67	<b>TOTAL MISO DAY 2 CHARGES - Energy Adjustment Rider</b>		<b>\$ 4,506,855.62</b>	<b>\$ 6,299,193.77</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,806,049.39</b>
68															
69															
70	<b>TOTAL FOR MN ENERGY ADJUSTMENT RIDER</b>		<b>\$ 4,506,855.62</b>	<b>\$ 6,299,193.77</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,806,049.39</b>



Otter Tail Power Company														
Monthly MISO Day 2 Charges for ND Non-Energy Adjustment Rider - System														
January - December 2017														
Includes Any Adjustments														
Charge Type Description	Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
<b>No. Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>		PROTECTED DATA BEGINS . . .												
1	DA Asset Energy Amount	555.02												
2	DA FBT Loss Amount	555.04												
3	DA Non-asset Energy Amount	555.09												
4	RT Asset Energy Amount	555.19												
5	RT Distribution of Losses Amount	555.24												
6	RT FBT Loss Amount	555.21												
7	RT Non-Asset Energy Amount	555.26												
8	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,564,403.32)
<b>Virtual Energy</b>														
9	DA Virtual Energy Amount	555.12												
10	RT Virtual Energy Amount	555.32												
11	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Schedules 16 &amp; 17</b>														
12	DA Mkt Admin Amount	555.01												
13	RT Mkt Admin Amount	555.18												
14	FTR Mkt Admin Amount	555.13												
15	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,901.64
<b>Congest &amp; FTRs</b>														
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	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>RSG &amp; Make Whole Payments</b>														
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10												
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11												
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29												
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30												
33	RT Price Volatility Make Whole Payment	555.42												
34	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (213,598.99)
<b>Revenue Neutrality Uplift</b>														
35	RT Revenue Neutrality Uplift Amount	555.28												
36	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,754.12
<b>Other Charges</b>														
37	RT Misc Amount	555.25												
38	RT Net Inadvertent Amount	555.27												
39	RT Uninstructed Deviation Amount	555.31												
40	RT Demand Response Allocation Uplift Amount	555.59												
41	DA Ramp Product Amount	555.63												
42	RT Ramp Product Amount	555.64												
43	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,692.00
<b>ASM Charges</b>														
44	DA_ASM_REG	555.43												
45	DA_ASM_SPIN	555.44												
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												
58	RT_ASM_MISC	555.25												
59	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,164,328.16)
<b>Grandfathered Charge Types</b>														
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	<b>TOTAL</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67	<b>TOTAL MISO DAY 2 CHARGES - Non-Energy Adjustment Rider</b>	\$ (346,224.67)	\$ (159,334.54)	\$ (282,355.61)	\$ (239,976.72)	\$ (386,931.98)	\$ (502,579.50)	\$ (685,459.54)	\$ (282,315.65)	\$ (526,328.28)	\$ (686,699.79)	\$ (522,090.59)	\$ (265,685.84)	\$ (4,885,982.71)
68	<b>TOTAL FOR ND NON-ENERGY ADJUSTMENT RIDER</b>	\$ (346,224.67)	\$ (159,334.54)	\$ (282,355.61)	\$ (239,976.72)	\$ (386,931.98)	\$ (502,579.50)	\$ (685,459.54)	\$ (282,315.65)	\$ (526,328.28)	\$ (686,699.79)	\$ (522,090.59)	\$ (265,685.84)	\$ (4,885,982.71)

In March 2019 it was discovered the formulas on this spreadsheet were picking up incorrect cell references - the revisions do not affect the TOTAL MISO DAY 2 CHARGES. Some of the lines that are now blank contained amounts on the original spreadsheet.

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	
<b>No. Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>															
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)	\$ (205,080.16)	\$ (5,074,833.88)
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	DA Non-asset Energy Amount	555.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	RT Distribution of Losses Amount	555.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8	<b>TOTAL</b>	<b>\$ (79,827.72)</b>	<b>\$ (12,416.72)</b>	<b>\$ (32,966.92)</b>	<b>\$ (108,385.74)</b>	<b>\$ (911,810.38)</b>	<b>\$ (794,384.63)</b>	<b>\$ (645,119.34)</b>	<b>\$ (666,826.41)</b>	<b>\$ (1,012,471.30)</b>	<b>\$ (380,706.48)</b>	<b>\$ (224,838.08)</b>	<b>\$ (205,080.16)</b>	<b>\$ (5,074,833.88)</b>	
<b>Virtual Energy</b>															
9	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>															
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	\$ 655.41	\$ 14,477.45
13	RT Mkt Admin Amount	555.18	\$ 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	\$ 784.55	\$ 14,314.96
14	FTR Mkt Admin Amount	555.13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	<b>TOTAL</b>	<b>\$ 964.67</b>	<b>\$ 665.38</b>	<b>\$ 483.76</b>	<b>\$ 2,245.09</b>	<b>\$ 4,090.57</b>	<b>\$ 3,773.54</b>	<b>\$ 2,701.63</b>	<b>\$ 2,389.50</b>	<b>\$ 4,932.24</b>	<b>\$ 2,080.73</b>	<b>\$ 3,025.34</b>	<b>\$ 1,439.96</b>	<b>\$ 28,792.41</b>	
<b>Congest &amp; FTRs</b>															
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	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>															
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 586.17	\$ 245.69	\$ 307.27	\$ 499.96	\$ 730.63	\$ 739.26	\$ 532.34	\$ 419.06	\$ 448.06	\$ 326.63	\$ 599.71	\$ 607.18	\$ 6,041.96
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (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)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 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	\$ 744.49	\$ 23,424.69
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (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)	\$ (16,626.27)	\$ (172,774.43)
33	RT Price Volatility Make Whole Payment	555.42	\$ (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)	\$ (208.84)	\$ (161,647.84)
34	<b>TOTAL</b>	<b>\$ (16,099.45)</b>	<b>\$ (2,549.46)</b>	<b>\$ (9,613.97)</b>	<b>\$ (6,556.86)</b>	<b>\$ (1,834.60)</b>	<b>\$ (9,927.29)</b>	<b>\$ (28,605.47)</b>	<b>\$ (5,005.85)</b>	<b>\$ (38,921.04)</b>	<b>\$ (9,562.43)</b>	<b>\$ (17,537.48)</b>	<b>\$ (15,483.44)</b>	<b>\$ (161,597.34)</b>	
<b>Revenue Neutrality Uplift</b>															
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 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	\$ 1,883.40	\$ 29,655.79
36	<b>TOTAL</b>	<b>\$ 941.96</b>	<b>\$ 690.52</b>	<b>\$ 1,924.69</b>	<b>\$ 1,886.11</b>	<b>\$ 2,148.68</b>	<b>\$ 12,412.07</b>	<b>\$ 2,772.81</b>	<b>\$ 301.39</b>	<b>\$ 306.41</b>	<b>\$ 2,476.11</b>	<b>\$ 1,911.64</b>	<b>\$ 1,883.40</b>	<b>\$ 29,655.79</b>	
<b>Other Charges</b>															
37	RT Misc Amount	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38	RT Net Inadvertent Amount	555.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41	DA Ramp Product Amount	555.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42	RT Ramp Product Amount	555.64	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
43	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>ASM Charges</b>															
44	DA_ASM_REG	555.43	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
45	DA_ASM_SPIN	555.44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ (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)	\$ (191,731.32)	\$ (2,266,737.55)
57	RT_ASM Excessive Energy Amount	555.56	\$ (397.25)	\$ (28.60)	\$ (77.97)	\$ (937.00)	\$ (1,429.37)	\$ (307.86)	\$ 799.82	\$ (106.39)	\$ (142.65)	\$ (59.99)	\$ (286.06)	\$ (533.77)	\$ (3,507.09)
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59	<b>TOTAL</b>	<b>\$ (256,210.80)</b>	<b>\$ (275,969.67)</b>	<b>\$ (270,183.68)</b>	<b>\$ (307,422.05)</b>	<b>\$ (105,708.08)</b>	<b>\$ (257,689.67)</b>	<b>\$ (226,901.28)</b>	<b>\$ (150,679.42)</b>	<b>\$ 15,437.70</b>	<b>\$ (76,139.21)</b>	<b>\$ (166,313.39)</b>	<b>\$ (192,265.09)</b>	<b>\$ (2,270,244.64)</b>	
<b>Grandfathered Charge Types</b>															
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	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
67	<b>TOTAL MISO DAY 2 CHARGES - Non-Energy Adjustment Rider</b>	<b>\$ (350,231.34)</b>	<b>\$ (289,579.95)</b>	<b>\$ (310,256.12)</b>	<b>\$ (418,233.45)</b>	<b>\$ (1,013,113.81)</b>	<b>\$ (1,045,815.98)</b>	<b>\$ (895,151.65)</b>	<b>\$ (820,020.79)</b>	<b>\$ (1,030,715.99)</b>	<b>\$ (461,851.28)</b>	<b>\$ (403,751.97)</b>	<b>\$ (409,505.33)</b>	<b>\$ (7,448,227.66)</b>	
68	<b>TOTAL FOR ND NON-ENERGY ADJUSTMENT RIDER</b>	<b>\$ (350,231.34)</b>	<b>\$ (289,579.95)</b>	<b>\$ (310,256.12)</b>	<b>\$ (418,233.45)</b>	<b>\$ (1,013,113.81)</b>	<b>\$ (1,045,815.98)</b>	<b>\$ (895,151.65)</b>	<b>\$ (820,020.79)</b>	<b>\$ (1,030,715.99)</b>	<b>\$ (461,851.28)</b>	<b>\$ (403,751.97)</b>	<b>\$ (409,505.33)</b>	<b>\$ (7,448,227.66)</b>	

In March 2019 it was discovered the formulas on this spreadsheet were picking up incorrect cell references - the revisions do not affect the TOTAL MISO DAY 2 CHARGES. Some of the lines that are now blank contained amounts on the original spreadsheet.



<b>Otter Tail Power Company</b>										
<b>Detail of MISO Day 2 Charges by Charge Group for Current Month - System</b>										
<b>February 2018 includes any adjustments</b>										
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**		
<b>Charge Type Description</b>	<b>Acct</b>	<b>Retail Debits</b>	<b>Retail Credits</b>	<b>Retail Adjustments</b>	<b>Net Retail</b>	<b>Net Intersystem</b>	<b>Total</b>	<b>Charge types with MWH for Retail</b>		
53	RT_ASM_REG_DIST	555.52	\$ 14,799.62	\$ (208.78)	\$ 556.28	\$ 15,147.12	\$ -	\$ 15,147.12	-	-
54	RT_ASM_SPIN_DIST	555.53	\$ 16,458.78	\$ (41.08)	\$ 281.91	\$ 16,699.61	\$ -	\$ 16,699.61	-	-
55	RT_ASM_SUPP_DIST	555.54	\$ 5,064.81	\$ (8.27)	\$ 58.58	\$ 5,115.12	\$ -	\$ 5,115.12	-	-
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 841,164.49	\$ (186,761.79)	\$ -	\$ 654,402.70	\$ (482,170.42)	\$ 172,232.28	30,301	(7,939)
57	RT ASM Excessive Energy Amount	555.56	\$ 13.70	\$ (290.39)	\$ -	\$ (276.69)	\$ (327.55)	\$ (604.24)	3	(88)
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
59	<b>TOTAL</b>		<b>\$ 896,305.17</b>	<b>\$ (247,167.27)</b>	<b>\$ 896.62</b>	<b>\$ 650,034.52</b>	<b>\$ (482,497.97)</b>	<b>\$ 167,536.55</b>	<b>30,304</b>	<b>(23,700)</b>
<b>Grandfathered Charge Types</b>										
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	<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>
67	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>\$ 18,960,727.25</b>	<b>\$ (12,929,895.93)</b>	<b>\$ 268,362.45</b>	<b>\$ 6,299,193.77</b>	<b>\$ (731,247.37)</b>	<b>\$ 5,567,946.40</b>	<b>553,842</b>	<b>(399,710)</b>
68	<b>Less: MISO RSG Bad Debt</b>				<b>\$ -</b>	<b>\$ -</b>				
69	<b>TOTAL FOR ND COST OF ENERGY ADJUSTMENT</b>		<b>\$ 18,960,727.25</b>	<b>\$ (12,929,895.93)</b>	<b>\$ 268,362.45</b>	<b>\$ 6,299,193.77</b>				
70	Net MISO Charges for Retail = (B) + (C) + (D)			<b>\$ 6,299,193.77</b>						
71	Net KWH for retail = ((G) + (H)) * 1,000			154,132,286						<b>154,132,286</b>
72	February covers time period of 1/24/2019 -- 2/20/2019 ** increased for losses of 2.8%									
73	<b>MISO Book Totals</b>		<b>\$ 6,030,831.32</b>	<b>154,132,286</b>						
74	<b>MISO RSG Bad Debt</b>		<b>\$ -</b>							
75	<b>February Adjustments</b>		<b>\$ 268,362.45</b>	<b>9,706,114</b>						
76	<b>Total MISO</b>		<b>\$ 6,299,193.77</b>	<b>163,838,400</b>						

Otter Tail Power Company  
Plant Conditions for February 2019

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	140,759	95.0	93.5	1.39	Forced	Baghouse Outage	5.01	Over
Coyote	68,053	86.8	68.1	3.27	Forced	Boiler Wash Outage	5.31	Over
Hoot Lake Unit 2	22,990	98.0	91.5				11.42	Under
Hoot Lake Unit 3	28,204	73.1	72.1	6.03	Forced	Coal Conservation	11.42	Under

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									
February 2019 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	\$ 863.14	\$ -	\$ (7.25)	\$ 855.89	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	<b>TOTAL</b>		<b>\$ 863.14</b>	<b>\$ -</b>	<b>\$ (7.25)</b>	<b>\$ 855.89</b>	-	-	-
<b>RSG &amp; Make Whole Payments</b>									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 35.10	\$ -	\$ 2.46	\$ 37.56	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	<b>TOTAL</b>		<b>\$ 35.10</b>	<b>\$ -</b>	<b>\$ 2.46</b>	<b>\$ 37.56</b>	-	-	-
<b>Revenue Neutrality Uplift</b>									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 5.82	\$ -	\$ (0.83)	\$ 4.99	-	-	-
11	<b>TOTAL</b>		<b>\$ 5.82</b>	<b>\$ -</b>	<b>\$ (0.83)</b>	<b>\$ 4.99</b>	-	-	-
<b>Other Charges</b>									
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.85	\$ -	\$ (0.53)	\$ 0.32	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 1.97	\$ -	\$ (0.50)	\$ 1.47	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 2.98	\$ -	\$ (0.21)	\$ 2.77	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.09	\$ -	\$ (0.03)	\$ 0.06	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (16,640.27)	\$ 1,086.37	\$ (15,553.90)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.05)	\$ 0.02	\$ (0.03)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.01)	\$ (0.03)	\$ (0.04)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.04)	\$ (0.15)	\$ (0.19)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 181,634.40	\$ (34,019.66)	\$ 45.60	\$ 147,660.34	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 47,475.13	\$ (2,176.34)	\$ 8.63	\$ 45,307.42	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (2.71)	\$ (2.71)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	<b>TOTAL</b>		<b>\$ 229,115.42</b>	<b>\$ (52,836.37)</b>	<b>\$ 1,136.46</b>	<b>\$ 177,415.51</b>	-	-	-
<b>Grandfathered Charge Types</b>									
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.93	\$ (0.23)	\$ (1.93)	\$ (1.23)	-	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
31	<b>TOTAL</b>		<b>\$ 0.93</b>	<b>\$ (0.23)</b>	<b>\$ (1.93)</b>	<b>\$ (1.23)</b>	-	-	-
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 230,020.41</b>	<b>\$ (52,836.60)</b>	<b>\$ 1,128.91</b>	<b>\$ 178,312.72</b>	-	-	-
33	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ 178,312.72</b>					
34	Net KWH for retail = ((F) + (G)) * 1,000								
35	February 2019 covers time period of 1/24/2019 - 02/20/2019								** (F) and (G) increased for losses of 2.8%
36	<b>SPP Book Totals</b>		<b>\$ 177,183.81</b>	<b>-</b>					
37	<b>Adjustments</b>		<b>\$ 1,128.91</b>	<b>-</b>					
38	<b>Total SPP</b>		<b>\$ 178,312.72</b>	<b>-</b>					

