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May 23, 2017

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 April 30, 2017, the rate for the Energy Adjustment Rider is (\$0.00721) per kWh and Plant Reagent/Emissions is \$0.00037 per kWh. Otter Tail Power Company (Otter Tail) proposes to bill at these rates effective June 1, 2017.

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

Average costs from previous month's adjustment:	\$ .024493
Average costs from current month's adjustment:	\$ .020819
Difference – (Increase) Decrease:	\$ .003674

The net effect of this energy adjustment is to decrease the rate by \$.00367. The total resulting adjustment for the current billing period will then be (\$0.00721) 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 on November 25, 2009, in Case No. PU-08-862. Effective with final rates in Case No. PU-08-862, the base cost of energy is \$0.028030. 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  
May 23, 2017  
Page Two

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

- 1) Calculation of the June 2017 Energy Adjustment Rider based on the four-month period ending April 2017.
- 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 April 2017 marked as Attachment E.

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 JUNE 1, 2017

1st of the Month  
 RATE LEVEL 50

Line	ENERGY COSTS & CREDITS	(A)	(B)	(C)	(D)	(E)
		2017 January	2017 February	2017 March	2017 April	Total This Period
1	Purchased Power	\$2,130,541	\$2,060,163	\$1,816,906	\$1,769,870	\$7,777,481
2	Wind Curtailment	\$718	\$6,083	\$10,077	\$19,697	\$36,574
3	Steam Plant Generation	\$5,939,526	\$4,841,720	\$5,426,157	\$2,918,232	\$19,125,635
4	Other Plant Generation	\$91,384	\$16,620	\$68,572	\$83,229	\$259,805
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Less: Intersystem Sales	(\$287,500)	(\$144,129)	(\$272,140)	(\$224,489)	(\$928,258)
7	Net Retail MISO Day 2	\$5,011,371	\$3,160,323	\$3,783,340	\$3,448,193	\$15,403,227
8	NET ENERGY COSTS	\$12,886,040	\$9,940,781	\$10,832,912	\$8,014,732	\$41,674,464
<b>ASSET-BASED MARGINS</b>		2017	2017	2017	2017	Total
		March	April	May	June	This Period
9	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
10	True-up of prior months margin forecast	(\$49,756)	(\$16,923)	(\$8,608)	(\$13,003)	(\$88,290)
11	Total Margin Credit	(\$49,756)	(\$16,923)	(\$8,608)	(\$13,003)	(\$88,290)
12	Prior (over) under recovery (line 25)					(\$3,518,152)
13	Adjusted Net Energy Costs (line 8 + line 11 + line 12)					\$38,068,022
<b>ENERGY -- KWH</b>		2017	2017	2017	2017	Total
		January	February	March	April	This Period
14	Retail Sales - kWhs	512,416,157	480,824,815	426,591,622	408,658,500	1,828,491,094
15	Delivered Cost per kWh					\$0.020819
16	Base Cost per kWh					\$0.028030
17	Energy Cost Adjustment -- Per kWh					(\$0.00721)

**TRUE UP FOR APRIL**

18	Retail Sales (kWhs) (line 14, col D)	408,658,500
19	Net Energy Costs for the System -- Most recent month	\$7,997,809
20	Base Cost Recovered	\$11,454,698
21	Net to be Recovered from COE (line 19 - line 20)	(\$3,456,889)
22	COE Recovery Rate Effective for April	(\$0.00246)
23	Amount Recovered by COE (line 22 x line 18)	(\$1,005,300)
24	(Over) / Under Recovery (line 21 - line 23)	(\$2,451,589)
25	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)	(\$3,518,152)

NORTH DAKOTA  
 OTTER TAIL POWER COMPANY  
 PLANT REAGENT/EMISSIONS CALCULATION  
 FOR BILLING TO BE EFFECTIVE JUNE 1, 2017

1st of the Month  
 RATE LEVEL 50

		(A)	(B)	(C)	(D)	(E)
		2017	2017	2017	2017	Total
<u>REAGENTS COSTS &amp; CREDITS</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>This Period</u>
<u>Line</u>						
1	Big Stone	\$193,630	\$112,985	\$161,379	\$74,925	\$542,919
2	Coyote	\$14,433	\$23,875	\$14,045	\$17,449	\$69,802
3	Hoot Lake	\$39,351	\$25,464	\$23,351	\$1,610	\$89,776
4	Hoot Lake Emissions Allowances	\$5,215	\$1,750	\$2,085	\$0	\$9,051
5	<b>NET REAGENTS COSTS</b>	<b>\$252,629</b>	<b>\$164,074</b>	<b>\$200,861</b>	<b>\$93,983</b>	<b>\$711,548</b>
6	Prior (over) under recovery (line 15)					<u>(\$42,600)</u>
7	Adjusted Net Reagents Costs (line 5 + line 6)					<u><u>\$668,948</u></u>
 <u>ENERGY -- KWH</u>		 <u>2017</u>	 <u>2017</u>	 <u>2017</u>	 <u>2017</u>	 <u>Total</u>
		 <u>January</u>	 <u>February</u>	 <u>March</u>	 <u>April</u>	 <u>This Period</u>
8	Retail Sales - kWhs	512,416,157	480,824,815	426,591,622	408,658,500	1,828,491,094
9	Reagent Cost Adjustment -- Per kWh					\$0.00037
<b>TRUE UP FOR APRIL</b>						
10	Retail Sales (kWhs) (line 8, col D)					408,658,500
11	Net Reagent Costs for the System -- Most recent month					\$93,983
12	Reagent Cost Adjustment Effective for April					\$0.00046
13	Amount Recovered by Reagent (line 10 x line 12)					\$187,983
14	(Over) / Under Recovery (line 11 - line 13)					(\$94,000)
15	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					(\$42,600)

Otter Tail Power Company						
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System						
April 2017 includes any adjustments						
No.	Charge Type Description	(A) Acct	(B)	(C)		(D)
			Total	Retail	Other	Total
			Energy Adjustment Rider			Non-Energy
						Adj. Rider
			[PROTECTED DATA BEGINS ...]			[PROTECTED DATA BEGINS ...]
1	DA Asset Energy Amount	555.02		\$ 3,541,035.82	\$ -	\$ 3,541,035.82
2	DA Non-asset Energy Amount	555.09		\$ (106,169.98)	\$ -	\$ (106,169.98)
3	DA Virtual Energy Amount	555.12		\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19		\$ (371,566.47)	\$ -	\$ (371,566.47)
5	RT Non-Asset Energy Amount	555.26		\$ -	\$ -	\$ -
6	RT Virtual Energy Amount	555.32		\$ -	\$ -	\$ -
			... PROTECTED DATA ENDS]			... PROTECTED DATA ENDS]
7	<b>ENERGY CHARGES TOTAL</b>		<b>\$ 2,995,395.85</b>	<b>\$ 3,063,299.37</b>	<b>\$ -</b>	<b>\$ 3,063,299.37</b>
			[PROTECTED DATA BEGINS ...]			[PROTECTED DATA BEGINS ...]
8	DA Mkt Admin Amount	555.01		\$ 47,769.17	\$ -	\$ 47,769.17
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		\$ (2,969.13)	\$ -	\$ (2,969.13)
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10		\$ 14,254.38	\$ -	\$ 14,254.38
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11		\$ (1,882.79)	\$ -	\$ (1,882.79)
18	FTR Mkt Admin Amount	555.13		\$ 2,085.76	\$ -	\$ 2,085.76
19	FTR Hourly Allocation Amount	555.14		\$ (41,059.67)	\$ -	\$ (41,059.67)
20	FTR Monthly Allocation Amount	555.15		\$ (17,705.88)	\$ -	\$ (17,705.88)
21	FTR Monthly Transaction Amount	555.35		\$ -	\$ -	\$ -
22	FTR Yearly Allocation Amount	555.17		\$ (12,228.49)	\$ -	\$ (12,228.49)
23	RT Mkt Admin Amount	555.18		\$ 5,433.74	\$ -	\$ 5,433.74
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		\$ (87,252.44)	\$ -	\$ (87,252.44)
29	RT Misc Amount	555.25		\$ 20,416.76	\$ -	\$ 20,416.76
30	RT Net Inadvertent Amount	555.27		\$ 1,763.28	\$ -	\$ 1,763.28
31	RT Ramp Product	555.64		\$ 134.51	\$ -	\$ 134.51
32	RT Revenue Neutrality Uplift Amount	555.28		\$ 67,685.89	\$ -	\$ 67,685.89
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29		\$ 21,663.49	\$ -	\$ 21,663.49
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30		\$ -	\$ -	\$ -
35	RT Uninstructed Deviation Amount	555.31		\$ -	\$ -	\$ -
36	FTR Full Funding Guarantee Amount	555.36		\$ 25,574.59	\$ -	\$ 25,574.59
37	FTR Guarantee Uplift Amount	555.37		\$ (23,730.56)	\$ -	\$ (23,730.56)
38	FTR Auction Revenue Rights Transaction Amount	555.39		\$ (155,430.79)	\$ -	\$ (155,430.79)
39	FTR Annual Transaction Amount	555.38		\$ 155,437.63	\$ -	\$ 155,437.63
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40		\$ 7,561.96	\$ -	\$ 7,561.96
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41		\$ (27,615.13)	\$ -	\$ (27,615.13)
42	RT Price Volatility Make Whole Payment	555.42		\$ (12,788.01)	\$ -	\$ (12,788.01)
43	DA_ASM_REG	555.43		\$ (643.62)	\$ -	\$ (643.62)

<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>April 2017 includes any adjustments</b>							
No.	Charge Type Description	(A)	(B)	(C)      (D)		(E)	(F)
		Acct	Total	Energy Adjustment Rider		Total	Non-Energy Adj. Rider
				Retail	Other		
44	DA_ASM_SPIN	555.44		\$ (26,281.75)	\$ -	\$ (26,281.75)	
45	DA_ASM_SUPP	555.45		\$ -	\$ -	\$ -	
46	RT_ASM_REG	555.46		\$ (2,545.57)	\$ -	\$ (2,545.57)	
47	RT_ASM_SPIN	555.47		\$ 3,272.53	\$ -	\$ 3,272.53	
48	RT_ASM_SUPP	555.48		\$ -	\$ -	\$ -	
49	RT_ASM_NRGA	555.49		\$ (129.48)	\$ -	\$ (129.48)	
50	RT_ASM_EXE_DFE_DEP	555.50		\$ 171.16	\$ -	\$ 171.16	
51	RT_ASM_CRDFC	555.51		\$ -	\$ -	\$ -	
52	RT_ASM_REG_DIST	555.52		\$ 15,588.84	\$ -	\$ 15,588.84	
53	RT_ASM_SPIN_DIST	555.53		\$ 21,236.22	\$ -	\$ 21,236.22	
54	RT_ASM_SUPP_DIST	555.54		\$ 5,645.76	\$ -	\$ 5,645.76	
55	RT ASM Non-Excessive Energy Amount	555.55		\$ 381,292.52	\$ -	\$ 381,292.52	
56	RT ASM Excessive Energy Amount	555.56		\$ 169.14	\$ -	\$ 169.14	
57	RT_ASM_MISC	555.25		\$ -	\$ -	\$ -	
58	RT Demand Response Allocation Uplift Amount	555.59		\$ -	\$ -	\$ -	
			... PROTECTED DATA ENDS]				... PROTECTED DATA ENDS]
59	<b>ENERGY CHARGES TOTAL</b>		<b>\$ 212,820.82</b>	<b>\$ 384,894.02</b>	<b>\$ -</b>	<b>\$ 384,894.02</b>	<b>\$ (172,073.20)</b>
60	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>\$ 3,208,216.67</b>	<b>\$ 3,448,193.39</b>	<b>\$ -</b>	<b>\$ 3,448,193.39</b>	<b>\$ (239,976.72)</b>
61	<b>Less: MISO RSG Bad Debt</b>		<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>
62	<b>TOTAL FOR ND COST OF ENERGY ADJUSTMENT</b>		<b>\$ 3,208,216.67</b>	<b>\$ 3,448,193.39</b>		<b>\$ 3,448,193.39</b>	<b>\$ (239,976.72)</b>

Otter Tail Power Company Monthly MISO Day 2 Charges for ND 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>														
1	DA Asset Energy Amount	555.02	\$ 5,492,275.83	\$ 3,686,236.03	\$ 4,221,941.79	\$ 3,541,035.82								\$ 16,941,489.47
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -								\$ -
3	DA Non-asset Energy Amount	555.09	\$ (132,041.72)	\$ (115,105.99)	\$ (109,297.14)	\$ (106,169.98)								\$ (462,614.83)
4	RT Asset Energy Amount	555.19	\$ (848,227.80)	\$ (601,863.61)	\$ (75,253.20)	\$ (371,566.47)								\$ (1,896,911.08)
5	RT Distribution of Losses Amount	555.24	\$ (193,304.73)	\$ (159,895.61)	\$ (114,805.76)	\$ (87,252.44)								\$ (555,258.54)
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -								\$ -
7	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -								\$ -
8	<b>TOTAL</b>		<b>\$ 4,318,701.58</b>	<b>\$ 2,809,370.82</b>	<b>\$ 3,922,585.69</b>	<b>\$ 2,976,046.93</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 14,026,705.02</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>Schedules 16 &amp; 17</b>														
12	DA Mkt Admin Amount	555.01	\$ 52,746.69	\$ 47,730.49	\$ 64,393.49	\$ 47,769.17								\$ 212,639.84
13	RT Mkt Admin Amount	555.18	\$ 5,827.53	\$ 4,602.48	\$ 5,633.64	\$ 5,433.74								\$ 21,497.39
14	FTR Mkt Admin Amount	555.13	\$ 2,121.60	\$ 2,600.00	\$ 2,815.20	\$ 2,085.76								\$ 9,622.56
15	<b>TOTAL</b>		<b>\$ 60,695.82</b>	<b>\$ 54,932.97</b>	<b>\$ 72,842.33</b>	<b>\$ 55,288.67</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 243,759.79</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	\$ (211,783.01)	\$ (80,340.66)	\$ (556,198.58)	\$ (41,059.67)								\$ (889,381.92)
19	FTR Monthly Allocation Amount	555.15	\$ (18,519.07)	\$ (12,080.43)	\$ (10,196.15)	\$ (17,705.88)								\$ (58,501.53)
20	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ (12,228.49)								\$ (12,228.49)
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -								\$ -
22	FTR Full Funding Guarantee Amount	555.36	\$ (5,629.21)	\$ 1,549.56	\$ (7,925.35)	\$ 25,574.59								\$ 13,569.59
23	FTR Guarantee Uplift Amount	555.37	\$ 5,415.40	\$ (2,354.73)	\$ 7,925.35	\$ (23,730.56)								\$ (12,744.54)
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (156,652.24)	\$ (156,652.24)	\$ (155,430.79)	\$ (155,430.79)								\$ (624,166.06)
25	FTR Annual Transaction Amount	555.38	\$ 156,649.37	\$ 156,649.37	\$ 155,437.63	\$ 155,437.63								\$ 624,174.00
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 7,323.94	\$ 7,322.12	\$ 7,563.76	\$ 7,561.96								\$ 29,771.78
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (37,530.04)	\$ (37,045.51)	\$ (27,791.08)	\$ (27,615.13)								\$ (129,981.76)
28	<b>TOTAL</b>		<b>\$ (260,724.86)</b>	<b>\$ (122,952.52)</b>	<b>\$ (586,615.21)</b>	<b>\$ (89,196.34)</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ (1,059,488.93)</b>
<b>RSG &amp; Make Whole Payments</b>														
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 11,746.20	\$ 3,376.26	\$ 9,920.39	\$ 14,254.38								\$ 39,297.23
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (0.01)	\$ -	\$ (1,737.18)	\$ (1,882.79)								\$ (3,619.98)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 24,657.02	\$ 2,067.22	\$ 8,610.69	\$ 21,663.49								\$ 56,998.42
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -								\$ -
33	RT Price Volatility Make Whole Payment	555.42	\$ (24,257.20)	\$ (15,429.62)	\$ (31,726.41)	\$ (12,788.01)								\$ (84,201.24)
34	<b>TOTAL</b>		<b>\$ 12,146.01</b>	<b>\$ (9,986.14)</b>	<b>\$ (14,932.51)</b>	<b>\$ 21,247.07</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 8,474.43</b>
<b>Revenue Neutrality Uplift</b>														
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 9,124.77	\$ 131,442.04	\$ 74,461.94	\$ 67,685.89								\$ 282,714.64
36	<b>TOTAL</b>		<b>\$ 9,124.77</b>	<b>\$ 131,442.04</b>	<b>\$ 74,461.94</b>	<b>\$ 67,685.89</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 282,714.64</b>
<b>Other Charges</b>														
37	RT Misc Amount	555.25	\$ 13,060.67	\$ 55,156.19	\$ 90,053.04	\$ 20,416.76								\$ 178,686.66
38	RT Net Inadvertent Amount	555.27	\$ 3,953.37	\$ 6,696.39	\$ 17,284.96	\$ 1,763.28								\$ 29,698.00
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -								\$ -
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -								\$ -
41	DA Ramp Product Amount	555.63	\$ (1,203.54)	\$ (1,315.07)	\$ (4,581.88)	\$ (2,969.13)								\$ (10,069.62)
42	RT Ramp Product Amount	555.64	\$ 84.73	\$ (388.47)	\$ (71.86)	\$ (134.51)								\$ (241.09)
43	<b>TOTAL</b>		<b>\$ 15,895.23</b>	<b>\$ 60,149.04</b>	<b>\$ 102,684.26</b>	<b>\$ 19,345.42</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 198,073.95</b>
<b>ASM Charges</b>														
44	DA_ASM_REG	555.43	\$ (1,864.28)	\$ (949.62)	\$ (4,253.66)	\$ (643.62)								\$ (7,711.18)
45	DA_ASM_SPIN	555.44	\$ (14,223.66)	\$ (14,900.33)	\$ (25,963.20)	\$ (26,281.75)								\$ (81,368.94)
46	DA_ASM_SUPP	555.45	\$ -	\$ -	\$ -	\$ -								\$ -
47	RT_ASM_REG	555.46	\$ (4,054.42)	\$ (1,637.60)	\$ (5,004.98)	\$ (2,545.57)								\$ (13,242.57)
48	RT_ASM_SPIN	555.47	\$ 1,601.91	\$ 1,095.43	\$ 1,340.00	\$ 3,272.53								\$ 7,309.87
49	RT_ASM_SUPP	555.48	\$ -	\$ -	\$ -	\$ -								\$ -
50	RT_ASM_NRGA	555.49	\$ 210.81	\$ (17.54)	\$ (220.00)	\$ (129.48)								\$ (156.21)
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 452.54	\$ 235.28	\$ 745.78	\$ 171.16								\$ 1,604.76
52	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -								\$ -
53	RT_ASM_REG_DIST	555.52	\$ 16,534.02	\$ 14,688.21	\$ 17,809.03	\$ 15,588.84								\$ 64,620.10
54	RT_ASM_SPIN_DIST	555.53	\$ 13,243.40	\$ 11,913.67	\$ 17,743.43	\$ 21,236.22								\$ 64,136.72
55	RT_ASM_SUPP_DIST	555.54	\$ 6,013.23	\$ 3,621.44	\$ 6,555.27	\$ 5,645.76								\$ 21,835.70
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 837,611.17	\$ 223,311.55	\$ 203,394.39	\$ 381,292.52								\$ 1,645,609.63
57	RT ASM Excessive Energy Amount	555.56	\$ 7.82	\$ 6.19	\$ 167.37	\$ 169.14								\$ 350.52
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -								\$ -
59	<b>TOTAL</b>		<b>\$ 855,532.54</b>	<b>\$ 237,366.68</b>	<b>\$ 212,313.43</b>	<b>\$ 397,775.75</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 1,702,988.40</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>
... TRADE SECRET DATA ENDS ...														
67	<b>TOTAL MISO DAY 2 CHARGES - Energy Adjustment Rider</b>		<b>\$ 5,011,371.09</b>	<b>\$ 3,160,322.89</b>	<b>\$ 3,783,339.93</b>	<b>\$ 3,448,193.39</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 15,403,227.30</b>
68	<b>Less: MISO RSG Bad Debt</b>													<b>\$ -</b>
69	<b>TOTAL FOR MN ENERGY ADJUSTMENT RIDER</b>		<b>\$ 5,011,371.09</b>	<b>\$ 3,160,322.89</b>	<b>\$ 3,783,339.93</b>	<b>\$ 3,448,193.39</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 15,403,227.30</b>



Otter Tail Power Company									
Detail of MISO Day 2 Charges by Charge Group for Current Month - System									
April 2017 includes any adjustments									
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**	
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail	
<b>No. Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>	<b>[PROTECTED DATA BEGINS ...]</b>								
1	DA Asset Energy Amount	555.02	\$ 8,423,281.43	\$ (4,882,245.61)	\$ -	\$ 3,541,035.82		365,307	(225,969)
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -		-	-
3	DA Non-asset Energy Amount	555.09	\$ -	\$ (106,169.98)	\$ -	\$ (106,169.98)		-	(4,354)
4	RT Asset Energy Amount	555.19	\$ 61,001.45	\$ (473,200.54)	\$ 40,632.62	\$ (371,566.47)		2,819	(21,576)
5	RT Distribution of Losses Amount	555.24	\$ 12,447.19	\$ (74,740.16)	\$ (24,959.47)	\$ (87,252.44)		-	-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -		-	-
7	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -		-	-
8	<b>TOTAL</b>		<b>\$ 8,496,730.07</b>	<b>\$ (5,536,356.29)</b>	<b>\$ 15,673.15</b>	<b>\$ 2,976,046.93</b>	<b>\$ -</b>	<b>368,126</b>	<b>(251,899)</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>Schedules 16 &amp; 17</b>									
12	DA Mkt Admin Amount	555.01	\$ 47,769.17	\$ -	\$ -	\$ 47,769.17		-	-
13	RT Mkt Admin Amount	555.18	\$ 5,538.99	\$ -	\$ (105.25)	\$ 5,433.74		-	-
14	FTR Mkt Admin Amount	555.13	\$ 2,085.76	\$ -	\$ -	\$ 2,085.76		-	-
15	<b>TOTAL</b>		<b>\$ 55,393.92</b>	<b>\$ -</b>	<b>\$ (105.25)</b>	<b>\$ 55,288.67</b>	<b>\$ -</b>	<b>-</b>	<b>-</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	\$ 109,020.07	\$ (150,078.25)	\$ (1.49)	\$ (41,059.67)		-	-
19	FTR Monthly Allocation Amount	555.15	\$ -	\$ (17,741.18)	\$ 35.30	\$ (17,705.88)		-	-
20	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ (12,228.49)	\$ (12,228.49)		-	-
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -		-	-
22	FTR Full Funding Guarantee Amount	555.36	\$ 17,735.60	\$ (4,355.69)	\$ 12,194.68	\$ 25,574.59		-	-
23	FTR Guarantee Uplift Amount	555.37	\$ 4,355.69	\$ (17,735.60)	\$ (10,350.65)	\$ (23,730.56)		-	-
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 3,668.70	\$ (159,099.49)	\$ -	\$ (155,430.79)		-	-
25	FTR Annual Transaction Amount	555.38	\$ 159,078.25	\$ (3,640.62)	\$ -	\$ 155,437.63		-	-
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 7,565.59	\$ -	\$ (3.63)	\$ 7,561.96		-	-
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (28,457.06)	\$ 841.93	\$ (27,615.13)		-	-
28	<b>TOTAL</b>		<b>\$ 301,423.90</b>	<b>\$ (381,107.89)</b>	<b>\$ (9,512.35)</b>	<b>\$ (89,196.34)</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>
<b>RSG &amp; Make Whole Payments</b>									
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 14,257.73	\$ -	\$ (3.35)	\$ 14,254.38		-	-
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (1,882.79)	\$ -	\$ (1,882.79)		-	-
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 22,105.65	\$ -	\$ (442.16)	\$ 21,663.49		-	-
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -		-	-
33	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (12,788.01)	\$ -	\$ (12,788.01)		-	-
34	<b>TOTAL</b>		<b>\$ 36,363.38</b>	<b>\$ (14,670.80)</b>	<b>\$ (445.51)</b>	<b>\$ 21,247.07</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>									
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 84,453.09	\$ (8,845.60)	\$ (7,921.60)	\$ 67,685.89		-	-
36	<b>TOTAL</b>		<b>\$ 84,453.09</b>	<b>\$ (8,845.60)</b>	<b>\$ (7,921.60)</b>	<b>\$ 67,685.89</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>
<b>Other Charges</b>									
37	RT Misc Amount	555.25	\$ -	\$ -	\$ 20,416.76	\$ 20,416.76		-	-
38	RT Net Inadvertent Amount	555.27	\$ 18,229.36	\$ (7,022.68)	\$ (9,443.40)	\$ 1,763.28		-	-
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -		-	-
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -		-	-
41	DA Ramp Product Amount	555.63	\$ -	\$ (2,969.13)	\$ -	\$ (2,969.13)		-	-
42	RT Ramp Product Amount	555.64	\$ 673.09	\$ (538.58)	\$ -	\$ 134.51		-	-
43	<b>TOTAL</b>		<b>\$ 18,902.45</b>	<b>\$ (10,530.39)</b>	<b>\$ 10,973.36</b>	<b>\$ 19,345.42</b>	<b>\$ -</b>	<b>-</b>	<b>-</b>
<b>ASM Charges</b>									
44	DA_ASM_REG	555.43	\$ -	\$ (643.62)	\$ -	\$ (643.62)		-	(46)
45	DA_ASM_SPIN	555.44	\$ -	\$ (26,281.75)	\$ -	\$ (26,281.75)		-	(5,405)
46	DA_ASM_SUPP	555.45	\$ -	\$ -	\$ -	\$ -		-	-
47	RT_ASM_REG	555.46	\$ 377.65	\$ (2,923.22)	\$ -	\$ (2,545.57)		46	(87)
48	RT_ASM_SPIN	555.47	\$ 9,515.70	\$ (6,243.17)	\$ -	\$ 3,272.53		3,188	(724)
49	RT_ASM_SUPP	555.48	\$ -	\$ -	\$ -	\$ -		-	-
50	RT_ASM_NRGA	555.49	\$ 15.36	\$ (144.84)	\$ -	\$ (129.48)		-	-
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 171.43	\$ (0.08)	\$ (0.19)	\$ 171.16		-	-
52	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -		-	-
53	RT_ASM_REG_DIST	555.52	\$ 15,422.77	\$ (22.03)	\$ 188.10	\$ 15,588.84		-	-
54	RT_ASM_SPIN_DIST	555.53	\$ 21,226.25	\$ (40.32)	\$ 50.29	\$ 21,236.22		-	-

Otter Tail Power Company								
Detail of MISO Day 2 Charges by Charge Group for Current Month - System								
April 2017 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
55 RT_ASM_SUPP_DIST	555.54	\$ 5,736.96	\$ (99.75)	\$ 8.55	\$ 5,645.76			-
56 RT ASM Non-Excessive Energy Amount	555.55	\$ 651,286.49	\$ (269,993.97)	\$ -	\$ 381,292.52			30,626 (14,372)
57 RT ASM Excessive Energy Amount	555.56	\$ 343.58	\$ (174.44)	\$ -	\$ 169.14			- (47)
58 RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -			-
59 <b>TOTAL</b>		<b>\$ 704,096.19</b>	<b>\$ (306,567.19)</b>	<b>\$ 246.75</b>	<b>\$ 397,775.75</b>	<b>\$ -</b>	<b>\$ -</b>	<b>33,861 (20,681)</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>
... PROTECTED DATA ENDS]								
67 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>\$ 9,697,363.00</b>	<b>\$ (6,258,078.16)</b>	<b>\$ 8,908.55</b>	<b>\$ 3,448,193.39</b>	<b>\$ (239,976.72)</b>	<b>\$ 3,208,216.67</b>	<b>401,986 (272,579)</b>
68 <b>Less: MISO RSG Bad Debt</b>				<b>\$ -</b>	<b>\$ -</b>			
69 <b>TOTAL FOR ND COST OF ENERGY ADJUSTMENT</b>		<b>\$ 9,697,363.00</b>	<b>\$ (6,258,078.16)</b>	<b>\$ 8,908.55</b>	<b>\$ 3,448,193.39</b>			
70 Net MISO Charges for Retail = (B) + (C) + (D)			<b>\$ 3,448,193.39</b>					
71 Net KWH for retail = ((G) + (H)) * 1,000			129,406,685					<b>129,406,685</b>
72 April covers time period of 3/24/2017 -- 4/20/2017 ** increased for losses of 2.8%								
73 <b>MISO Book Totals</b>		<b>\$ 3,439,284.84</b>	<b>129,406,685</b>					
74 <b>MISO RSG Bad Debt</b>		<b>\$ -</b>						
75 <b>April Adjustments</b>		<b>\$ 8,908.55</b>	<b>1,833,589</b>					
76 <b>Total MISO</b>		<b>\$ 3,448,193.39</b>	<b>131,240,274</b>					

Otter Tail Power Company  
Plant Conditions for April 2017

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	85,291	45.7	45.5	16.29	Scheduled	Planned Outage	1.09	Under
Coyote	188,246	89.8	62.4	3.07	Forced	Boiler Screen Tube Leak	11.87	Over
Hoot Lake Unit 2	0	100.0	100.0					
Hoot Lake Unit 3	2,201	100.0	100.0				13.06	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.