

215 South Cascade Street
PO Box 496
Fergus Falls, Minnesota 56538-0496
218 739-8200
www.otpc.com (web site)



August 22, 2016

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 July 31, 2016, the rate for the Energy Adjustment Rider is (\$0.00684) per kWh and Plant Reagent/Emissions is \$0.00056 per kWh. Otter Tail Power Company proposes to bill at these rates effective September 1, 2016.

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

Average costs from previous month's adjustment:	\$.020414
Average costs from current month's adjustment:	\$.021190
Difference – (Increase) Decrease:	(\$.00078)

The net effect of this energy adjustment is to increase the rate by (\$0.00078). The total resulting adjustment for the current billing period will then be (\$0.00684) 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
August 22, 2016
Page Two

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

- 1) Calculation of the September 2016 Energy Adjustment Rider based on the four-month period ending July 2016.
- 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 Power Company's Plant Conditions for July 2016 marked as Attachment E.

Also included in this month's filing is a revised June 2016 Attachment E. A Coyote forced outage reported in filing dated July 25, 2016, should have been part of the scheduled extended outage.

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 SEPTEMBER 1, 2016

1st of the Month
 RATE LEVEL 50

Line	ENERGY COSTS & CREDITS	(A)	(B)	(C)	(D)	(E)
		2016 April	2016 May	2016 June	2016 July	Total This Period
1	Purchased Power	\$2,259,320	\$1,948,515	\$1,666,862	\$1,332,609	\$7,207,306
2	Wind Curtailment	\$20,204	\$59,843	\$11,134	\$3,663	\$94,845
3	Steam Plant Generation	\$2,917,177	\$2,305,323	\$4,454,850	\$5,740,407	\$15,417,757
4	Other Plant Generation	\$131,897	\$65,719	\$114,670	\$165,666	\$477,952
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Less: Intersystem Sales	(\$214,795)	(\$144,748)	(\$335,553)	(\$408,387)	(\$1,103,483)
7	Net Retail MISO Day 2	\$2,655,668	\$2,542,118	\$2,944,723	\$1,036,870	\$9,179,379
8	NET ENERGY COSTS	\$7,769,472	\$6,776,770	\$8,856,685	\$7,870,828	\$31,273,756
	<u>ASSET-BASED MARGINS</u>	2016 June	2016 July	2016 August	2016 September	Total This Period
9	Forecast of Margins - 85%	\$0	(\$12,950)	(\$290)	(\$411)	(\$13,651)
10	True-up of prior months margin forecast	(\$25,157)	\$4,436	(\$81,545)	(\$64,197)	(\$166,463)
11	Total Margin Credit	(\$25,157)	(\$8,514)	(\$81,835)	(\$64,608)	(\$180,114)
12	Prior (over) under recovery (line 25)					(\$650,527)
13	Adjusted Net Energy Costs (line 8 + line 11 + line 12)					\$30,443,115
	<u>ENERGY -- KWH</u>	2016 April	2016 May	2016 June	2016 July	Total This Period
14	Retail Sales - kWhs	397,375,784	349,198,168	339,534,110	350,538,731	1,436,646,793
15	Delivered Cost per kWh					\$0.021190
16	Base Cost per kWh					\$0.028030
17	Energy Cost Adjustment -- Per kWh					(\$0.00684)

TRUE UP FOR JULY

18	Retail Sales (kWhs) (line 14, col D)	350,538,731
19	Net Energy Costs for the System -- Most recent month	\$7,862,314
20	Base Cost Recovered	\$9,825,601
21	Net to be Recovered from COE (line 19 - line 20)	(\$1,963,286)
22	COE Recovery Rate Effective for July	(\$0.00994)
23	Amount Recovered by COE (line 22 x line 18)	(\$3,484,355)
24	Over / (Under) Recovery (line 21 - line 23)	(\$1,521,069)
25	Cumulative Over / (Under) Recovery (prior month cumulative over/(under))	\$650,527

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 PLANT REAGENT/EMISSIONS CALCULATION
 FOR BILLING TO BE EFFECTIVE SEPTEMBER 1, 2016

1st of the Month
 RATE LEVEL 50

Line	REAGENTS COSTS & CREDITS	(A) 2016 April	(B) 2016 May	(C) 2016 June	(D) 2016 July	(E) Total This Period
1	Big Stone	\$119,205	\$103,747	\$145,321	\$164,737	\$533,010
2	Coyote	\$0	\$0	\$35,283	\$39,930	\$75,213
3	Hoot Lake	\$21,159	\$0	\$538	\$6,198	\$27,894
4	Hoot Lake Emissions Allowances	\$8,913	(\$40,098)	\$94	\$1,155	(\$29,936)
5	NET REAGENTS COSTS	\$149,276	\$63,649	\$181,236	\$212,021	\$606,182
6	Prior (over) under recovery (line 15)					\$191,883
7	Adjusted Net Reagents Costs (line 5 + line 6)					<u>\$798,065</u>
	ENERGY -- KWH	2016 April	2016 May	2016 June	2016 July	Total This Period
8	Retail Sales - kWhs	397,375,784	349,198,168	339,534,110	350,538,731	1,436,646,793
9	Reagent Cost Adjustment -- Per kWh					\$0.00056
	TRUE UP FOR JULY					
10	Retail Sales (kWhs) (line 8, col D)					350,538,731
11	Net Reagent Costs for the System -- Most recent month					\$212,021
12	Reagent Cost Adjustment Effective for July					\$0.00047
13	Amount Recovered by Reagent (line 10 x line 12)					\$164,753
14	(Over) / Under Recovery (line 11 - line 13)					\$47,267
15	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					\$191,883

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
July 2016 includes any adjustments								
No.	Charge Type Description	(A) Acct	(B)	(C)		(D)	(E)	(F)
			Total	Retail	Other	Total	Non-Energy Adj. Rider	
			[PROTECTED DATA BEGINS ...					[PROTECTED DATA BEGINS ...
1	DA Asset Energy Amount	555.02		\$ 2,275,699.83	\$ -	\$ 2,275,699.83		
2	DA Non-asset Energy Amount	555.09		\$ (100,935.72)	\$ -	\$ (100,935.72)		
3	DA Virtual Energy Amount	555.12		\$ -	\$ -	\$ -		
4	RT Asset Energy Amount	555.19		\$ (1,181,307.03)	\$ -	\$ (1,181,307.03)		
5	RT Non-Asset Energy Amount	555.26		\$ -	\$ -	\$ -		
6	RT Virtual Energy Amount	555.32		\$ -	\$ -	\$ -		
			... PROTECTED DATA ENDS]					... PROTECTED DATA ENDS]
7	ENERGY CHARGES TOTAL		\$ 872,567.44	\$ 993,457.08	\$ -	\$ 993,457.08	\$ (120,889.64)	
			[PROTECTED DATA BEGINS ...					[PROTECTED DATA BEGINS ...
8	DA Mkt Admin Amount	555.01		\$ 43,169.02	\$ -	\$ 43,169.02		
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		\$ (4,287.03)	\$ -	\$ (4,287.03)		
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10		\$ 8,272.86	\$ -	\$ 8,272.86		
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11		\$ (1,500.12)	\$ -	\$ (1,500.12)		
18	FTR Mkt Admin Amount	555.13		\$ 2,316.80	\$ -	\$ 2,316.80		
19	FTR Hourly Allocation Amount	555.14		\$ (53,378.87)	\$ -	\$ (53,378.87)		
20	FTR Monthly Allocation Amount	555.15		\$ (10,712.71)	\$ -	\$ (10,712.71)		
21	FTR Monthly Transaction Amount	555.35		\$ -	\$ -	\$ -		
22	FTR Yearly Allocation Amount	555.17		\$ -	\$ -	\$ -		
23	RT Mkt Admin Amount	555.18		\$ 5,851.39	\$ -	\$ 5,851.39		
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		\$ (229,168.69)	\$ -	\$ (229,168.69)		
29	RT Misc Amount	555.25		\$ 14,821.46	\$ -	\$ 14,821.46		
30	RT Net Inadvertent Amount	555.27		\$ (44,927.36)	\$ -	\$ (44,927.36)		
31	RT Ramp Product	555.64		\$ 538.76	\$ -	\$ 538.76		
32	RT Revenue Neutrality Uplift Amount	555.28		\$ 78,610.39	\$ -	\$ 78,610.39		
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29		\$ 31,479.93	\$ -	\$ 31,479.93		
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		\$ 8,609.31	\$ -	\$ 8,609.31		
37	FTR Guarantee Uplift Amount	555.37		\$ (8,609.31)	\$ -	\$ (8,609.31)		
38	FTR Auction Revenue Rights Transaction Amount	555.39		\$ (149,732.21)	\$ -	\$ (149,732.21)		
39	FTR Annual Transaction Amount	555.38		\$ 149,815.05	\$ -	\$ 149,815.05		
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40		\$ 7,591.90	\$ -	\$ 7,591.90		
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41		\$ (27,448.52)	\$ -	\$ (27,448.52)		
42	RT Price Volatility Make Whole Payment	555.42		\$ (13,415.14)	\$ -	\$ (13,415.14)		
43	DA_ASM_REG	555.43		\$ (49,521.12)	\$ -	\$ (49,521.12)		

Otter Tail Power Company							
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System							
July 2016 includes any adjustments							
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	\$ (20,984.36)	\$ -		\$ (20,984.36)	
45	DA_ASM_SUPP	555.45	\$ -	\$ -		\$ -	
46	RT_ASM_REG	555.46	\$ (3,777.12)	\$ -		\$ (3,777.12)	
47	RT_ASM_SPIN	555.47	\$ (786.59)	\$ -		\$ (786.59)	
48	RT_ASM_SUPP	555.48	\$ -	\$ -		\$ -	
49	RT_ASM_NRGA	555.49	\$ 4,386.26	\$ -		\$ 4,386.26	
50	RT_ASM_EXE_DFE_DEP	555.50	\$ 3,826.57	\$ -		\$ 3,826.57	
51	RT_ASM_CRDFC	555.51	\$ -	\$ -		\$ -	
52	RT_ASM_REG_DIST	555.52	\$ 8,540.75	\$ -		\$ 8,540.75	
53	RT_ASM_SPIN_DIST	555.53	\$ 13,287.03	\$ -		\$ 13,287.03	
54	RT_ASM_SUPP_DIST	555.54	\$ 8,671.47	\$ -		\$ 8,671.47	
55	RT ASM Non-Excessive Energy Amount	555.55	\$ 253,753.79	\$ -		\$ 253,753.79	
56	RT ASM Excessive Energy Amount	555.56	\$ 18,119.67	\$ -		\$ 18,119.67	
57	RT_ASM_MISC	555.25	\$ -	\$ -		\$ -	
58	RT Demand Response Allocation Uplift Amount	555.59	\$ (0.02)	\$ -		\$ (0.02)	
			... PROTECTED DATA ENDS]				... PROTECTED DATA ENDS]
59	ENERGY CHARGES TOTAL		\$ (335,104.30)	\$ 43,413.24	\$ -	\$ 43,413.24	\$ (378,517.54)
60	TOTAL MISO DAY 2 CHARGES		\$ 537,463.14	\$ 1,036,870.32	\$ -	\$ 1,036,870.32	\$ (499,407.18)
61	Less: MISO RSG Bad Debt		\$ -	\$ -		\$ -	\$ -
62	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 537,463.14	\$ 1,036,870.32		\$ 1,036,870.32	\$ (499,407.18)

Otter Tail Power Company Monthly MISO Day 2 Charges for ND Energy Adjustment Rider - System January - December 2016 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	\$ 4,081,461.32	\$ 3,882,179.22	\$ 2,579,646.39	\$ 2,841,682.43	\$ 3,058,383.89	\$ 3,330,488.37	\$ 2,275,699.83					\$ 22,049,541.45
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
3	DA Non-asset Energy Amount	555.09	\$ (86,435.80)	\$ (100,875.05)	\$ (79,254.31)	\$ (72,736.13)	\$ (71,705.06)	\$ (83,135.15)	\$ (100,935.72)					\$ (595,077.22)
4	RT Asset Energy Amount	555.19	\$ (513,279.97)	\$ (592,773.29)	\$ 596,281.20	\$ (187,982.68)	\$ (489,472.47)	\$ (203,207.22)	\$ (1,181,307.03)					\$ (2,571,741.46)
5	RT Distribution of Losses Amount	555.24	\$ (219,744.01)	\$ (276,609.61)	\$ (30,231.62)	\$ (26,200.84)	\$ (57,545.59)	\$ (38,605.39)	\$ (229,168.69)					\$ (878,105.75)
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
7	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235.83	\$ -					\$ 235.83
8	TOTAL		\$ 3,262,001.54	\$ 2,911,921.27	\$ 3,066,441.66	\$ 2,554,762.78	\$ 2,439,660.77	\$ 3,005,776.44	\$ 764,288.39	\$ -	\$ -	\$ -	\$ -	\$ 18,004,852.85
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	\$ 53,761.50	\$ 66,895.63	\$ 52,634.44	\$ 41,352.68	\$ 42,390.95	\$ 40,979.01	\$ 43,169.02					\$ 341,183.23
13	RT Mkt Admin Amount	555.18	\$ 4,846.72	\$ 6,446.46	\$ 4,284.93	\$ 4,813.72	\$ 5,367.09	\$ 4,871.20	\$ 5,851.39					\$ 36,481.51
14	FTR Mkt Admin Amount	555.13	\$ 1,373.76	\$ 1,986.24	\$ 1,900.88	\$ 2,115.84	\$ 1,980.00	\$ 1,980.00	\$ 2,316.80					\$ 13,410.16
15	TOTAL		\$ 59,981.98	\$ 75,328.33	\$ 58,820.25	\$ 48,282.24	\$ 49,494.68	\$ 47,830.21	\$ 51,337.21	\$ -	\$ -	\$ -	\$ -	\$ 391,074.90
Congest & FTRs														
16	DA FBT Congestion Amount	555.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
17	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
18	FTR Hourly Allocation Amount	555.14	\$ (92,467.86)	\$ (139,273.02)	\$ (53,793.99)	\$ (103,325.04)	\$ (21,572.62)	\$ (132,031.27)	\$ (53,378.87)					\$ (595,842.67)
19	FTR Monthly Allocation Amount	555.15	\$ (23,303.37)	\$ (3,131.58)	\$ (6,548.81)	\$ (8,197.64)	\$ (7,623.39)	\$ (7,198.97)	\$ (10,712.71)					\$ (66,716.47)
20	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ (36,489.21)	\$ -	\$ -	\$ -					\$ (36,489.21)
21	FTR Monthly Transaction Amount	555.35	\$ (5,024.40)	\$ (3,256.35)	\$ (1,621.41)	\$ (5,547.81)	\$ (46,028.31)	\$ -	\$ -					\$ (61,478.28)
22	FTR Full Funding Guarantee Amount	555.36	\$ 20,465.50	\$ (3,103.36)	\$ 2,049.96	\$ 32,509.68	\$ (3,822.35)	\$ (3,430.01)	\$ 8,609.31					\$ 53,278.73
23	FTR Guarantee Uplift Amount	555.37	\$ (20,997.27)	\$ 3,103.36	\$ (2,049.96)	\$ (31,494.12)	\$ 4,132.23	\$ 3,342.37	\$ (8,609.31)					\$ (52,572.70)
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (226,568.51)	\$ (226,568.51)	\$ (176,214.38)	\$ (176,214.38)	\$ (176,214.38)	\$ (149,732.21)	\$ (149,732.21)					\$ (1,281,244.58)
25	FTR Annual Transaction Amount	555.38	\$ 226,460.11	\$ 226,460.11	\$ 176,204.52	\$ 176,204.52	\$ 176,204.52	\$ 149,815.05	\$ 149,815.05					\$ 1,281,163.88
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 5,664.89	\$ 5,664.89	\$ 2,666.42	\$ 2,666.42	\$ 2,666.42	\$ 7,591.90	\$ 7,591.90					\$ 34,512.84
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (33,802.51)	\$ (33,802.51)	\$ (34,881.99)	\$ (34,485.21)	\$ (34,663.76)	\$ (29,893.98)	\$ (27,448.52)					\$ (228,978.48)
28	TOTAL		\$ (149,573.42)	\$ (173,906.97)	\$ (94,189.64)	\$ (184,372.79)	\$ (106,921.64)	\$ (161,537.12)	\$ (83,865.36)	\$ -	\$ -	\$ -	\$ -	\$ (954,366.94)
RSG & Make Whole Payments														
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 11,535.28	\$ 12,790.55	\$ 9,361.29	\$ 7,448.41	\$ 14,170.18	\$ 8,214.84	\$ 8,272.86					\$ 71,793.41
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (5.71)	\$ (15,877.85)	\$ (889.64)	\$ -	\$ (18,304.26)	\$ (17,771.33)	\$ (1,500.12)					\$ (54,348.91)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 10,717.42	\$ 1,538.48	\$ 4,892.45	\$ 13,730.96	\$ 5,939.73	\$ 15,647.98	\$ 31,479.93					\$ 83,946.95
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
33	RT Price Volatility Make Whole Payment	555.42	\$ (8,202.36)	\$ (12,588.53)	\$ (12,865.85)	\$ (22,312.46)	\$ (28,772.23)	\$ (17,222.23)	\$ (13,415.14)					\$ (115,378.80)
34	TOTAL		\$ 14,044.63	\$ (14,137.35)	\$ 498.25	\$ (1,133.09)	\$ (26,966.58)	\$ (11,130.74)	\$ 24,837.53	\$ -	\$ -	\$ -	\$ -	\$ (13,987.35)
Revenue Neutrality Uplift														
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 70,224.46	\$ 67,868.53	\$ (48,366.01)	\$ 23,989.42	\$ 124,494.39	\$ (16,712.92)	\$ 78,610.39					\$ 300,108.26
36	TOTAL		\$ 70,224.46	\$ 67,868.53	\$ (48,366.01)	\$ 23,989.42	\$ 124,494.39	\$ (16,712.92)	\$ 78,610.39	\$ -	\$ -	\$ -	\$ -	\$ 300,108.26
Other Charges														
37	RT Misc Amount	555.25	\$ 116,010.78	\$ 12,458.18	\$ 3,307.60	\$ 27,375.69	\$ 6,528.56	\$ 2,735.68	\$ 14,821.67					\$ 183,237.85
38	RT Net Inadvertent Amount	555.27	\$ (15,862.55)	\$ 2,236.19	\$ 80,672.73	\$ 2,966.94	\$ (58,659.58)	\$ 35,929.14	\$ (44,927.36)					\$ 2,355.51
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.66	\$ (0.02)					\$ 0.64
41	DA Ramp Product Amount	555.63	\$ -	\$ -	\$ -	\$ -	\$ (33.26)	\$ (1,228.94)	\$ (4,287.03)					\$ (5,549.23)
42	RT Ramp Product Amount	555.64	\$ -	\$ -	\$ -	\$ -	\$ (161.61)	\$ 159.53	\$ 536.76					\$ 536.68
43	TOTAL		\$ 100,148.23	\$ 14,694.37	\$ 83,900.33	\$ 30,342.53	\$ (52,325.89)	\$ 37,596.07	\$ (33,854.19)	\$ -	\$ -	\$ -	\$ -	\$ 180,581.45
ASM Charges														
44	DA_ASM_REG	555.43	\$ -	\$ -	\$ -	\$ -	\$ (1,919.21)	\$ (33,164.22)	\$ (49,521.12)					\$ (84,604.55)
45	DA_ASM_SPIN	555.44	\$ (7,343.78)	\$ (7,534.16)	\$ (16,583.42)	\$ (20,787.68)	\$ (19,054.68)	\$ (18,172.17)	\$ (20,984.36)					\$ (110,460.25)
46	DA_ASM_SUPP	555.45	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
47	RT_ASM_REG	555.46	\$ (443.19)	\$ (886.27)	\$ (4,382.47)	\$ (7,376.50)	\$ (6,777.80)	\$ (4,565.41)	\$ (3,777.12)					\$ (28,208.76)
48	RT_ASM_SPIN	555.47	\$ 21.16	\$ (1,780.18)	\$ (2,288.26)	\$ (1,894.73)	\$ 2,200.10	\$ 11,109.26	\$ (786.59)					\$ 6,580.76
49	RT_ASM_SUPP	555.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
50	RT_ASM_NRGA	555.49	\$ 17.08	\$ 6.39	\$ 91.86	\$ 92.44	\$ 14.10	\$ 736.08	\$ 4,386.26					\$ 5,344.21
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 71.79	\$ 32.39	\$ 299.95	\$ 2,153.93	\$ 1,097.58	\$ 2,418.08	\$ 3,826.57					\$ 9,900.29
52	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ 556.05	\$ -	\$ -					\$ 556.05
53	RT_ASM_REG_DIST	555.52	\$ 6,687.19	\$ 8,012.62	\$ 7,821.11	\$ 8,558.84	\$ 10,713.58	\$ 6,171.14	\$ 8,540.75					\$ 56,505.23
54	RT_ASM_SPIN_DIST	555.53	\$ 8,454.56	\$ 8,111.02	\$ 9,947.37	\$ 11,473.50	\$ 11,878.39	\$ 12,421.06	\$ 13,287.03					\$ 75,572.93
55	RT_ASM_SUPP_DIST	555.54	\$ 3,787.46	\$ 3,504.22	\$ 3,874.29	\$ 3,706.60	\$ 3,635.40	\$ 3,026.20	\$ 8,671.47					\$ 30,205.64
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 575,405.83	\$ 326,704.96	\$ 126,150.70	\$ 187,409.13	\$ 112,991.48	\$ 62,894.17	\$ 253,753.79					\$ 1,645,310.06
57	RT ASM Excessive Energy Amount	555.56	\$ (183.05)	\$ 304.28	\$ 4.08	\$ 461.62	\$ (652.76)	\$ 26.59	\$ 18,119.67					\$ 18,080.43
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					\$ -
59	TOTAL		\$ 586,475.05	\$ 336,475.27	\$ 124,935.21	\$ 183,797.15	\$ 114,682.23	\$ 42,900.78	\$ 235,516.35	\$ -	\$ -	\$ -	\$ -	\$ 1,624,782.04
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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
... TRADE SECRET DATA ENDS														
67	TOTAL MISO DAY 2 CHARGES - Energy Adjustment Rider		\$ 3,943,302.47	\$ 3,218,243.45	\$ 3,192,120.05	\$ 2,655,668.24	\$ 2,542,117.96	\$ 2,944,722.72	\$ 1,036,870.32	\$ -	\$ -	\$ -	\$ -	\$ 19,533,045.21
68	Less: MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
69	TOTAL FOR MN ENERGY ADJUSTMENT RIDER		\$ 3,943,302.47	\$ 3,218,243.45	\$ 3,192,120.05	\$ 2,655,668.24	\$ 2,542,117.96	\$ 2,944,722.72	\$ 1,036,870.32	\$ -	\$ -	\$ -	\$ -	\$ 19,533,045.21

Otter Tail Power Company									
Detail of MISO Day 2 Charges by Charge Group for Current Month - System									
July 2016 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	
Day Ahead & Real Time Asset & Non Asset Energy & Loss						[PROTECTED DATA BEGINS ...]			
1	DA Asset Energy Amount	555.02	\$ 8,306,616.84	\$ (6,030,917.01)	\$ -	\$ 2,275,699.83		365,688	(285,719)
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -		-	-
3	DA Non-asset Energy Amount	555.09	\$ -	\$ (100,935.72)	\$ -	\$ (100,935.72)		-	(3,637)
4	RT Asset Energy Amount	555.19	\$ 40,827.98	\$ (980,137.61)	\$ (241,997.40)	\$ (1,181,307.03)		1,911	(42,216)
5	RT Distribution of Losses Amount	555.24	\$ 40,479.82	\$ (181,114.72)	\$ (88,533.79)	\$ (229,168.69)		-	-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -		-	-
7	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -		-	-
8	TOTAL		\$ 8,387,924.64	\$ (7,293,105.06)	\$ (330,531.19)	\$ 764,288.39	\$ -	367,599	(331,573)
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	\$ 43,169.02	\$ -	\$ -	\$ 43,169.02		-	-
13	RT Mkt Admin Amount	555.18	\$ 5,503.27	\$ -	\$ 348.12	\$ 5,851.39		-	-
14	FTR Mkt Admin Amount	555.13	\$ 2,316.80	\$ -	\$ -	\$ 2,316.80		-	-
15	TOTAL		\$ 50,989.09	\$ -	\$ 348.12	\$ 51,337.21	\$ -	-	-
Congest & FTRs									
16	DA FBT Congestion Amount	555.03	\$ -	\$ -	\$ -	\$ -		-	-
17	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -		-	-
18	FTR Hourly Allocation Amount	555.14	\$ 122,957.13	\$ (176,336.00)	\$ -	\$ (53,378.87)		-	-
19	FTR Monthly Allocation Amount	555.15	\$ -	\$ (10,712.71)	\$ -	\$ (10,712.71)		-	-
20	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -		-	-
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -		-	-
22	FTR Full Funding Guarantee Amount	555.36	\$ 10,712.69	\$ (2,103.38)	\$ -	\$ 8,609.31		-	-
23	FTR Guarantee Uplift Amount	555.37	\$ 2,103.38	\$ (10,712.69)	\$ -	\$ (8,609.31)		-	-
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 4,230.91	\$ (153,963.12)	\$ -	\$ (149,732.21)		-	-
25	FTR Annual Transaction Amount	555.38	\$ 153,943.97	\$ (4,128.92)	\$ -	\$ 149,815.05		-	-
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 7,591.90	\$ -	\$ -	\$ 7,591.90		-	-
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ 1,222.70	\$ (29,893.98)	\$ 1,222.76	\$ (27,448.52)		-	-
28	TOTAL		\$ 302,762.68	\$ (387,850.80)	\$ 1,222.76	\$ (83,865.36)	\$ -	-	-
RSG & Make Whole Payments									
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 8,328.08	\$ -	\$ (55.22)	\$ 8,272.86		-	-
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (1,500.12)	\$ -	\$ (1,500.12)		-	-
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 33,375.51	\$ -	\$ (1,895.58)	\$ 31,479.93		-	-
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -		-	-
33	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (13,485.58)	\$ 70.44	\$ (13,415.14)		-	-
34	TOTAL		\$ 41,703.59	\$ (14,985.70)	\$ (1,880.36)	\$ 24,837.53	\$ -	-	-
Revenue Neutrality Uplift									
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 20,483.63	\$ (15,762.63)	\$ 73,889.39	\$ 78,610.39		-	-
36	TOTAL		\$ 20,483.63	\$ (15,762.63)	\$ 73,889.39	\$ 78,610.39	\$ -	-	-
Other Charges									
37	RT Misc Amount	555.25	\$ 7,594.92	\$ -	\$ 7,226.54	\$ 14,821.46		-	-
38	RT Net Inadvertent Amount	555.27	\$ 42,970.34	\$ (30,346.28)	\$ (57,551.42)	\$ (44,927.36)		-	-
39	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -		-	-
40	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ (0.02)	\$ (0.02)		-	-
	DA Ramp Product Amount	555.63	\$ -	\$ (4,287.03)	\$ -	\$ (4,287.03)		-	-
	RT Ramp Product Amount	555.64	\$ 646.08	\$ (107.32)	\$ -	\$ 538.76		-	-
41	TOTAL		\$ 51,211.34	\$ (34,740.63)	\$ (50,324.90)	\$ (33,854.19)	\$ -	-	-
ASM Charges									
42	DA_ASM_REG	555.43	\$ -	\$ (49,521.12)	\$ -	\$ (49,521.12)		-	(4,905)
43	DA_ASM_SPIN	555.44	\$ -	\$ (20,984.36)	\$ -	\$ (20,984.36)		-	(2,503)
44	DA_ASM_SUPP	555.45	\$ -	\$ -	\$ -	\$ -		-	-
45	RT_ASM_REG	555.46	\$ 15,036.39	\$ (18,813.51)	\$ -	\$ (3,777.12)		1,619	(1,794)
46	RT_ASM_SPIN	555.47	\$ 8,251.46	\$ (9,038.05)	\$ -	\$ (786.59)		1,802	(359)
47	RT_ASM_SUPP	555.48	\$ -	\$ -	\$ -	\$ -		-	-
48	RT_ASM_NRGA	555.49	\$ 5,380.80	\$ (994.54)	\$ -	\$ 4,386.26		-	-
49	RT_ASM_EXE_DFE_DEP	555.50	\$ 3,817.17	\$ (59.14)	\$ 68.54	\$ 3,826.57		-	-
50	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -		-	-
51	RT_ASM_REG_DIST	555.52	\$ 9,072.50	\$ (93.51)	\$ (438.24)	\$ 8,540.75		-	-
52	RT_ASM_SPIN_DIST	555.53	\$ 14,107.24	\$ (230.84)	\$ (589.37)	\$ 13,287.03		-	-

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System July 2016 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	
53 RT_ASM_SUPP_DIST	555.54	\$ 9,497.97	\$ (685.00)	\$ (141.50)	\$ 8,671.47			-	-
54 RT ASM Non-Excessive Energy Amount	555.55	\$ 508,900.36	\$ (256,255.13)	\$ 1,108.56	\$ 253,753.79			26,287	(13,440)
55 RT ASM Excessive Energy Amount	555.56	\$ 14,651.74	\$ (1,599.82)	\$ 5,067.75	\$ 18,119.67			822	(2,265)
56 RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -			-	-
57 TOTAL		\$ 588,715.63	\$ (358,275.02)	\$ 5,075.74	\$ 235,516.35	\$ -	\$ -	30,531	(25,266)
Grandfathered Charge Types									
58 DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-	-
59 DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-	-
60 DA Congestion Rebate on Option B GFA	555.07	\$ -	\$ -	\$ -	\$ -			-	-
61 DA Losses Rebate on Option B GFA	555.08	\$ -	\$ -	\$ -	\$ -			-	-
62 RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-	-
63 RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-	-
64 TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
... PROTECTED DATA ENDS]									
65 TOTAL MISO DAY 2 CHARGES		\$ 9,443,790.60	\$ (8,104,719.84)	\$ (302,200.44)	\$ 1,036,870.32	\$ (499,407.18)	\$ 537,463.14	398,129	(356,838)
66 Less: MISO RSG Bad Debt				\$ -	\$ -				
67 TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 9,443,790.60	\$ (8,104,719.84)	\$ (302,200.44)	\$ 1,036,870.32				
68 Net MISO Charges for Retail = (B) + (C) + (D)			\$ 1,036,870.32						
69 Net KWH for retail = ((G) + (H)) * 1,000				41,291,172				41,291,172	
70 July covers time period of 6/23/2016 -- 7/21/2016 ** increased for losses of 2.8%									
71 MISO Book Totals		\$ 1,339,070.76	41,291,172						
72 MISO RSG Bad Debt		\$ -							
73 July Adjustments		\$ (302,200.44)	(14,551,492)						
74 Total MISO		\$ 1,036,870.32	26,739,680						

Otter Tail Power Company
 Plant Conditions for July 2016

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	227,020	99.8	99.2				2.22	Under
Coyote	291,108	100.0	85.5				5.36	Over
Hoot Lake Unit 2	5,820	99.8	99.7				6.58	Over
Hoot Lake Unit 3	3,587	93.5	93.4	1.46	Forced	Ruptured economizer tube	10.76	Over

Otter Tail Power Company
 Plant Conditions for June 2016 - REVISED

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	204,152	100.0	98.2				0.56	Under
Coyote	187,156	69.5	59.1	1.62 7.53	Forced Scheduled	Windbox Leak Extended Outage	5.48	Over
Hoot Lake Unit 2	346	94.7	94.7	2.17	Scheduled	Ductwork repair and tube leak repair	6.58	Over
Hoot Lake Unit 3	394	92.8	92.8	2.12	Scheduled	Tube lead and insulation repairs	6.74	Over

REVISED Coyote:

In Otter Tail's filing dated July 25, 2016, the Coyote 1.22 days forced outage for MFT Air Flow Fixing Boiler Door was not a forced outage. The plant was off-line at the time of this outage, so it should be part of the scheduled extended outage.