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PO Box 496
Fergus Falls, Minnesota 56538-0496
218 739-8200
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August 28, 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 July 31, 2017, the rate for the Energy Adjustment Rider is ($0.00453) per kWh and Plant Reagent/Emissions is $0.00047 per kWh. Otter Tail Power Company (Otter Tail) proposes to bill at these rates effective September 1, 2017.

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

Average costs from previous month's adjustment:	$ .023503
Average costs from current month's adjustment:	$ .023498
Difference – (Increase) Decrease:	$ .000005

The net effect of this energy adjustment is to decrease the rate by $.00000. The total resulting adjustment for the current billing period will then be ($0.00453) 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.

An Equal Opportunity Employer

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

1) Calculation of the September 2017 Energy Adjustment Rider based on the four-month period ending July 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 July 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 SEPTEMBER 1, 2017

1st of the Month
RATE LEVEL 50

Line	ENERGY COSTS & CREDITS	(A) 2017 **April**	(B) 2017 **May**	(C) 2017 **June**	(D) 2017 **July**	(E) **Total This Period**
1	Purchased Power	$1,769,870	$1,822,578	$1,786,232	$1,274,522	$6,653,201
2	Wind Curtailment	$19,697	$16,676	$16,676	($15,920)	$37,129
3	Steam Plant Generation	$2,918,232	$4,596,759	$4,715,509	$6,074,642	$18,305,142
4	Other Plant Generation	$83,229	$37,570	$125,259	$216,566	$462,624
5	Hydro Plant Generation	$0	$0	$0	$0	$0
6	Less: Intersystem Sales	($224,489)	($273,747)	($402,395)	($518,890)	($1,419,522)
7	Net Retail MISO Day 2	$3,448,193	$3,737,051	$2,515,731	$1,418,544	$11,119,519
8	NET ENERGY COSTS	$8,014,732	$9,936,887	$8,757,012	$8,449,463	$35,158,093

	ASSET-BASED MARGINS	2017 **June**	2017 **July**	2017 **August**	2017 **September**	**Total This Period**
9	Forecast of Margins - 85%	$0	($5,342)	($346)	$0	($5,688)
10	True-up of prior months margin forecast	($13,003)	($95,947)	($84,885)	($135,969)	($329,804)
11	Total Margin Credit	($13,003)	($101,289)	($85,231)	($135,969)	($335,492)
12	Prior (over) under recovery (line 25)					($248,205)
13	Adjusted Net Energy Costs (line 8 + line 11 + line 12)					$34,574,396

	ENERGY -- KWH	2017 **April**	2017 **May**	2017 **June**	2017 **July**	**Total This Period**
14	Retail Sales - kWhs	408,658,500	353,854,625	358,156,520	350,703,255	1,471,372,900
15	Delivered Cost per kWh					$0.023498
16	Base Cost per kWh					$0.028030
17	Energy Cost Adjustment -- Per kWh					($0.00453)

TRUE UP FOR JULY

18	Retail Sales (kWhs) (line 14, col D)	350,703,255
19	Net Energy Costs for the System -- Most recent month	$8,348,174
20	Base Cost Recovered	$9,830,212
21	Net to be Recovered from COE (line 19 - line 20)	($1,482,038)
22	COE Recovery Rate Effective for July	($0.00628)
23	Amount Recovered by COE (line 22 x line 18)	($2,202,416)
24	(Over) / Under Recovery (line 21 - line 23)	$720,379
25	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)	($248,205)

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

1st of the Month
RATE LEVEL 50

Line	REAGENTS COSTS & CREDITS	(A) 2017 **April**	(B) 2017 **May**	(C) 2017 **June**	(D) 2017 **July**	(E) **Total This Period**
1	Big Stone	$74,925	$138,379	$128,210	$154,724	$496,238
2	Coyote	$17,449	$21,813	$14,910	$23,413	$77,584
3	Hoot Lake	$1,610	$6,686	$9,042	$30,847	$48,184
4	Hoot Lake Emississions Allowances	$0	$111	$765	$1,555	$2,431
5	**NET REAGENTS COSTS**	$93,983	$166,989	$152,927	$210,538	$624,437
6	Prior (over) under recovery (line 15)					$62,740
7	Adjusted Net Reagents Costs (line 5 + line 6)					$687,177

	ENERGY -- KWH	2017 **April**	2017 **May**	2017 **June**	2017 **July**	**Total This Period**
8	Retail Sales - kWhs	408,658,500	353,854,625	358,156,520	350,703,255	1,471,372,900
9	Reagent Cost Adjustment -- Per kWh					$0.00047

TRUE UP FOR JULY

10	Retail Sales (kWhs) (line 8, col D)	350,703,255
11	Net Reagent Costs for the System -- Most recent month	$210,538
12	Reagent Cost Adjustment Effective for July	$0.00035
13	Amount Recovered by Reagent (line 10 x line 12)	$122,746
14	(Over) / Under Recovery (line 11 - line 13)	$87,792
15	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)	$62,740

Otter Tail Power Company
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System
July 2017 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)
				Energy Adjustment Rider			Non-Energy
No.	Charge Type Description	Acct	Total	Retail	Other	Total	Adj. Rider
			[PROTECTED DATA BEGINS ...				[PROTECTED DATA BEGINS ...
1	DA Asset Energy Amount	555.02		$ 2,444,360.43	$ -	$ 2,444,360.43	
2	DA Non-asset Energy Amount	555.09		$ (114,958.23)	$ -	$ (114,958.23)	
3	DA Virtual Energy Amount	555.12		$ -	$ -	$ -	
4	RT Asset Energy Amount	555.19		$ (1,010,118.79)	$ -	$ (1,010,118.79)	
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**		**$ 968,513.28**	**$ 1,319,283.41**	**$ -**	**$ 1,319,283.41**	**$ (350,770.13)**
			[PROTECTED DATA BEGINS ...				[PROTECTED DATA BEGINS ...
8	DA Mkt Admin Amount	555.01		$ 44,831.94	$ -	$ 44,831.94	
9	DA FBT Congestion Amount	555.03		$ -	$ -	$ -	
10	DA FBT Loss Amount	555.04		$ -	$ -	$ -	
11	DA Congestion Rebate on COGA	555.05		$ -	$ -	$ -	
12	DA Losses Rebate on COGA	555.06		$ -	$ -	$ -	
13	DA Congestion Rebate on Option B GFA	555.07		$ -	$ -	$ -	
14	DA Losses Rebate on Option B GFA	555.08		$ -	$ -	$ -	
15	DA Ramp Product	555.63		$ (2,691.53)	$ -	$ (2,691.53)	
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10		$ 4,823.16	$ -	$ 4,823.16	
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11		$ (1,062.01)	$ -	$ (1,062.01)	
18	FTR Mkt Admin Amount	555.13		$ 1,645.52	$ -	$ 1,645.52	
19	FTR Hourly Allocation Amount	555.14		$ (181,686.68)	$ -	$ (181,686.68)	
20	FTR Monthly Allocation Amount	555.15		$ (12,220.58)	$ -	$ (12,220.58)	
21	FTR Monthly Transaction Amount	555.35		$ (7,766.29)	$ -	$ (7,766.29)	
22	FTR Yearly Allocation Amount	555.17		$ -	$ -	$ -	
23	RT Mkt Admin Amount	555.18		$ 5,631.87	$ -	$ 5,631.87	
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		$ (128,968.60)	$ -	$ (128,968.60)	
29	RT Misc Amount	555.25		$ 11,270.32	$ -	$ 11,270.32	
30	RT Net Inadvertent Amount	555.27		$ 3,535.09	$ -	$ 3,535.09	
31	RT Ramp Product	555.64		$ 321.25	$ -	$ 321.25	
32	RT Revenue Neutrality Uplift Amount	555.28		$ 36,465.26	$ -	$ 36,465.26	
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29		$ 17,639.22	$ -	$ 17,639.22	
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		$ (2,797.45)	$ -	$ (2,797.45)	
37	FTR Guarantee Uplift Amount	555.37		$ 2,797.45	$ -	$ 2,797.45	
38	FTR Auction Revenue Rights Transaction Amount	555.39		$ (290,714.88)	$ -	$ (290,714.88)	
39	FTR Annual Transaction Amount	555.38		$ 259,702.10	$ -	$ 259,702.10	
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40		$ 9,018.02	$ -	$ 9,018.02	
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41		$ (31,272.13)	$ -	$ (31,272.13)	

Otter Tail Power Company
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System
July 2017 includes any adjustments

No.	Charge Type Description	(A) Acct	(B) Total	(C) Energy Adjustment Rider Retail	(D) Energy Adjustment Rider Other	(E) Energy Adjustment Rider Total	(F) Non-Energy Adj. Rider
42	RT Price Volatility Make Whole Payment	555.42		$ (30,734.93)	$ -	$ (30,734.93)	
43	DA_ASM_REG	555.43		$ (3,712.81)	$ -	$ (3,712.81)	
44	DA_ASM_SPIN	555.44		$ (32,656.97)	$ -	$ (32,656.97)	
45	DA_ASM_SUPP	555.45		$ -	$ -	$ -	
46	RT_ASM_REG	555.46		$ (7,941.46)	$ -	$ (7,941.46)	
47	RT_ASM_SPIN	555.47		$ 7,554.35	$ -	$ 7,554.35	
48	RT_ASM_SUPP	555.48		$ -	$ -	$ -	
49	RT_ASM_NRGA	555.49		$ 805.19	$ -	$ 805.19	
50	RT_ASM_EXE_DFE_DEP	555.50		$ 457.28	$ -	$ 457.28	
51	RT_ASM_CRDFC	555.51		$ 134.71	$ -	$ 134.71	
52	RT_ASM_REG_DIST	555.52		$ 12,639.48	$ -	$ 12,639.48	
53	RT_ASM_SPIN_DIST	555.53		$ 12,225.85	$ -	$ 12,225.85	
54	RT_ASM_SUPP_DIST	555.54		$ 4,962.18	$ -	$ 4,962.18	
55	RT ASM Non-Excessive Energy Amount	555.55		$ 395,762.75	$ -	$ 395,762.75	
56	RT ASM Excessive Energy Amount	555.56		$ 1,264.01	$ -	$ 1,264.01	
57	RT_ASM_MISC	555.25		$ -	$ -	$ -	
58	RT Demand Response Allocation Uplift Amount	555.59		$ -	$ -	$ -	
			... PROTECTED DATA ENDS]				**... PROTECTED DATA ENDS]**
59	**ENERGY CHARGES TOTAL**		**$ (235,428.73)**	**$ 99,260.68**	**$ -**	**$ 99,260.68**	**$ (334,689.41)**
60	**TOTAL MISO DAY 2 CHARGES**		**$ 733,084.55**	**$ 1,418,544.09**	**$ -**	**$ 1,418,544.09**	**$ (685,459.54)**
61	**Less: MISO RSG Bad Debt**		$ -	$ -		$ -	$ -
62	**TOTAL FOR ND COST OF ENERGY ADJUSTMENT**		**$ 733,084.55**	**$ 1,418,544.09**		**$ 1,418,544.09**	**$ (685,459.54)**

Otter Tail Power Company
Monthly MISO Day 2 Charges for ND Energy Adjustment Rider - System
January - December 2017
Includes Any Adjustments

No.	Charge Type Description	Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
	Day Ahead & Real Time Asset & Non Asset Energy & Loss														
1	DA Asset Energy Amount	555.02	$ 5,492,275.83	$ 3,686,236.03	$ 4,221,941.79	$ 3,541,035.82	$ 3,701,842.41	$ 2,860,070.62	$ 2,444,360.43						$ 25,947,762.93
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)	$ (100,264.50)	$ (99,063.41)	$ (114,958.23)						$ (776,900.97)
4	RT Asset Energy Amount	555.19	$ (848,227.80)	$ (601,863.61)	$ (75,253.20)	$ (371,566.47)	$ (222,260.44)	$ (424,308.82)	$ (1,010,118.79)						$ (3,553,599.13)
5	RT Distribution of Losses Amount	555.24	$ (193,304.73)	$ (159,895.61)	$ (114,805.76)	$ (87,252.44)	$ (85,017.91)	$ (112,542.99)	$ (128,968.60)						$ (881,788.04)
6	RT FBT Loss Amount	555.21	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
7	RT Non-Asset Energy Amount	555.26	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
8	**TOTAL**		**$ 4,318,701.58**	**$ 2,809,370.82**	**$ 3,922,585.69**	**$ 2,976,046.93**	**$ 3,294,299.56**	**$ 2,224,155.40**	**$ 1,190,314.81**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 20,735,474.79**
	Virtual Energy														
9	DA Virtual Energy Amount	555.12	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
10	RT Virtual Energy Amount	555.32	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
11	**TOTAL**		**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Schedules 1 & 17														
12	DA Mkt Admin Amount	555.01	$ 52,746.69	$ 47,730.49	$ 64,393.49	$ 47,769.17	$ 50,270.65	$ 46,494.44	$ 44,831.94						$ 354,236.87
13	RT Mkt Admin Amount	555.18	$ 5,827.53	$ 4,602.48	$ 5,633.64	$ 5,433.74	$ 5,837.30	$ 5,646.36	$ 5,631.87						$ 38,612.92
14	FTR Mkt Admin Amount	555.13	$ 2,121.60	$ 2,600.00	$ 2,815.20	$ 2,085.76	$ 1,822.24	$ 1,601.12	$ 1,645.52						$ 14,691.44
15	**TOTAL**		**$ 60,695.82**	**$ 54,932.97**	**$ 72,842.33**	**$ 55,288.67**	**$ 57,930.19**	**$ 53,741.92**	**$ 52,109.33**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 407,541.23**
	Congest & FTRs														
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)	$ 113,927.05	$ (114,146.30)	$ (181,686.68)						$ (1,071,287.85)
19	FTR Monthly Allocation Amount	555.15	$ (18,519.07)	$ (12,080.43)	$ (10,196.15)	$ (17,705.88)	$ (9,327.48)	$ (8,754.01)	$ (12,220.58)						$ (88,803.60)
20	FTR Yearly Allocation Amount	555.17	$ -	$ -	$ -	$ (12,228.49)	$ -	$ -	$ -						$ (12,228.49)
21	FTR Monthly Transaction Amount	555.35	$ -	$ -	$ -	$ -	$ -	$ (10,977.40)	$ (7,766.29)						$ (18,743.69)
22	FTR Full Funding Guarantee Amount	555.36	$ (5,629.21)	$ 1,549.56	$ (7,925.35)	$ 25,574.59	$ (4,403.73)	$ (1,087.17)	$ (2,797.45)						$ 5,281.24
23	FTR Guarantee Uplift Amount	555.37	$ 5,415.40	$ (2,354.73)	$ 7,925.35	$ (23,730.56)	$ 4,403.73	$ 1,132.03	$ 2,797.45						$ (4,411.33)
24	FTR Auction Revenue Rights Transaction Amount	555.39	$ (156,652.24)	$ (156,652.24)	$ (155,430.79)	$ (155,430.79)	$ (155,430.79)	$ (290,714.88)	$ (290,714.88)						$ (1,361,026.61)
25	FTR Annual Transaction Amount	555.38	$ 156,649.37	$ 156,649.37	$ 155,437.63	$ 155,437.63	$ 155,437.63	$ 259,702.10	$ 259,702.10						$ 1,299,015.83
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	$ 7,323.94	$ 7,322.12	$ 7,563.76	$ 7,561.96	$ 7,565.59	$ 9,018.02	$ 9,018.02						$ 55,373.41
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	$ (37,530.04)	$ (37,045.51)	$ (27,791.08)	$ (27,615.13)	$ (28,483.88)	$ (30,745.47)	$ (31,272.13)						$ (220,483.24)
28	**TOTAL**		**$ (260,724.86)**	**$ (122,952.52)**	**$ (586,615.21)**	**$ (89,196.34)**	**$ 83,688.12**	**$ (186,573.08)**	**$ (254,940.44)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ (1,417,314.33)**
	RSG & Make Whole Payments														
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	$ 11,746.20	$ 3,376.26	$ 9,920.39	$ 14,254.38	$ 12,521.60	$ 7,702.77	$ 4,823.16						$ 64,344.76
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	$ (0.01)	$ -	$ (1,737.18)	$ (1,882.79)	$ (3,049.34)	$ (8,149.66)	$ (1,062.01)						$ (15,880.99)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	$ 24,657.02	$ 2,067.22	$ 8,610.69	$ 21,663.49	$ 11,860.93	$ 10,895.99	$ 17,639.22						$ 97,394.56
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)	$ (23,843.45)	$ (23,371.69)	$ (30,734.93)						$ (162,151.31)
34	**TOTAL**		**$ 12,146.01**	**$ (9,986.14)**	**$ (14,932.51)**	**$ 21,247.07**	**$ (2,510.26)**	**$ (12,922.59)**	**$ (9,334.56)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ (16,292.98)**
	Revenue Neutrality Uplift														
35	RT Revenue Neutrality Uplift Amount	555.28	$ 9,124.77	$ 131,442.04	$ 74,461.94	$ 67,685.89	$ 57,812.25	$ 48,618.44	$ 36,465.26						$ 425,610.59
36	**TOTAL**		**$ 9,124.77**	**$ 131,442.04**	**$ 74,461.94**	**$ 67,685.89**	**$ 57,812.25**	**$ 48,618.44**	**$ 36,465.26**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 425,610.59**
	Other Charges														
37	RT Misc Amount	555.25	$ 13,060.67	$ 55,156.19	$ 90,053.04	$ 20,416.76	$ 19,440.29	$ 11,753.51	$ 11,270.32						$ 221,150.78
38	RT Net Inadvertent Amount	555.27	$ 3,953.37	$ 6,696.39	$ 17,284.96	$ 1,763.28	$ 6,959.57	$ 4,544.83	$ 3,535.09						$ 44,737.49
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)	$ (4,599.88)	$ (3,664.85)	$ (2,691.53)						$ (21,025.88)
42	RT Ramp Product Amount	555.64	$ 84.73	$ (388.47)	$ (71.86)	$ 134.51	$ (148.30)	$ 784.67	$ 321.25						$ 716.53
43	**TOTAL**		**$ 15,895.23**	**$ 60,149.04**	**$ 102,684.26**	**$ 19,345.42**	**$ 21,651.68**	**$ 13,418.16**	**$ 12,435.13**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 245,578.92**
	ASM Charges														
44	DA_ASM_REG	555.43	$ (1,864.28)	$ (949.62)	$ (4,253.66)	$ (643.62)	$ (2,514.38)	$ (315.63)	$ (3,712.81)						$ (14,254.00)
45	DA_ASM_SPIN	555.44	$ (14,223.66)	$ (14,900.33)	$ (25,963.20)	$ (26,281.75)	$ (44,378.32)	$ (49,153.00)	$ (32,656.97)						$ (207,557.23)
46	DA_ASM_SUPP	555.45	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
47	RT_ASM_REG	555.46	$ (4,054.42)	$ (1,637.60)	$ (5,004.98)	$ (2,545.57)	$ (13,091.36)	$ (4,027.59)	$ (7,941.46)						$ (38,302.98)
48	RT_ASM_SPIN	555.47	$ 1,601.91	$ 1,095.43	$ 1,340.00	$ 3,272.53	$ 4,209.96	$ 16,812.61	$ 7,554.35						$ 35,886.79
49	RT_ASM_SUPP	555.48	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
50	RT_ASM_NRGA	555.49	$ 210.81	$ (17.54)	$ (220.00)	$ (129.48)	$ 17.17	$ 41.93	$ 805.19						$ 708.08
51	RT_ASM_EXE_DFE_DEP	555.50	$ 452.54	$ 235.28	$ 745.78	$ 171.16	$ 268.75	$ 472.18	$ 457.28						$ 2,802.97
52	RT_ASM_CRDFC	555.51	$ -	$ -	$ -	$ -	$ -	$ -	$ 134.71						$ 134.71
53	RT_ASM_REG_DIST	555.52	$ 16,534.02	$ 14,688.21	$ 17,809.03	$ 15,588.84	$ 18,567.42	$ 14,482.36	$ 12,639.48						$ 110,309.36
54	RT_ASM_SPIN_DIST	555.53	$ 13,243.40	$ 11,913.67	$ 17,743.43	$ 21,236.22	$ 29,445.37	$ 17,973.74	$ 12,225.85						$ 123,781.68
55	RT_ASM_SUPP_DIST	555.54	$ 6,013.23	$ 3,621.44	$ 6,555.27	$ 5,645.76	$ 13,149.87	$ 2,806.75	$ 4,962.18						$ 42,754.50
56	RT ASM Non-Excessive Energy Amount	555.55	$ 837,611.17	$ 223,311.55	$ 203,394.39	$ 381,292.52	$ 214,838.61	$ 374,612.69	$ 395,762.75						$ 2,630,823.68
57	RT ASM Excessive Energy Amount	555.56	$ 7.82	$ 6.19	$ 167.37	$ 169.14	$ 3,666.04	$ 1,586.44	$ 1,264.01						$ 6,867.01
58	RT_ASM_MISC	555.25	$ -	$ -	$ -	$ -	$ -	$ -	$ -						$ -
59	**TOTAL**		**$ 855,532.54**	**$ 237,366.68**	**$ 212,313.43**	**$ 397,775.75**	**$ 224,179.13**	**$ 375,292.48**	**$ 391,494.56**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,693,954.57**
	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**		$ 5,011,371.09	$ 3,160,322.89	$ 3,783,339.93	$ 3,448,193.39	$ 3,737,050.67	$ 2,515,730.73	$ 1,418,544.09	$ -	$ -	$ -	$ -	$ -	$ 23,074,552.79
68	**Less: MISO RSG Bad Debt**														$ -
69	**TOTAL FOR MN ENERGY ADJUSTMENT RIDER**		**$ 5,011,371.09**	**$ 3,160,322.89**	**$ 3,783,339.93**	**$ 3,448,193.39**	**$ 3,737,050.67**	**$ 2,515,730.73**	**$ 1,418,544.09**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 23,074,552.79**

Otter Tail Power Company
Monthly MISO Day 2 Charges for ND Non-Energy Adjustment Rider - System
January - December 2017
Includes Any Adjustments

No.	Charge Type Description	Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
	Day Ahead & Real Time Asset & Non Asset Energy & Loss		**[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	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ (892,674.11)**
	Virtual Energy														
9	DA Virtual Energy Amount	555.12													
10	RT Virtual Energy Amount	555.32													
11	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ (98,940.56)**
	Schedules 16 & 17														
12	DA Mkt Admin Amount	555.01													
13	RT Mkt Admin Amount	555.18													
14	FTR Mkt Admin Amount	555.13													
15	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 2,312.41**
	Congest & FTRs														
16	DA FBT Congestion Amount	555.03													
17	RT FBT Congestion Amount	555.20													
18	FTR Hourly Allocation Amount	555.14													
19	FTR Monthly Allocation Amount	555.15													
20	FTR Yearly Allocation Amount	555.17													
21	FTR Monthly Transaction Amount	555.35													
22	FTR Full Funding Guarantee Amount	555.36													
23	FTR Guarantee Uplift Amount	555.37													
24	FTR Auction Revenue Rights Transaction Amount	555.39													
25	FTR Annual Transaction Amount	555.38													
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40													
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41													
28	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**
	RSG & Make Whole Payments														
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	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 15,515.63**
	Revenue Neutrality Uplift														
35	RT Revenue Neutrality Uplift Amount	555.28													
36	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**
	Other Charges														
37	RT Misc Amount	555.25													
38	RT Net Inadvertent Amount	555.27													
39	RT Uninstructed Deviation Amount	555.31													
40	RT Demand Response Allocation Uplift Amount	555.59													
41	DA Ramp Product Amount	555.63													
42	RT Ramp Product Amount	555.64													
43	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 3,888.99**
	ASM Charges														
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	**TOTAL**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ (1,632,964.92)**
	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**		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**
														. . . PROTECTED DATA ENDS]	
67	**TOTAL MISO DAY 2 CHARGES - Non-Energy Adjustment Rider**		$ (346,224.67)	$ (159,334.54)	$ (282,355.61)	$ (239,976.72)	$ (386,931.98)	$ (502,579.50)	$ (685,459.54)	$ -	$ -	$ -	$ -	$ -	$ (2,602,862.56)
68	**TOTAL FOR ND NON-ENERGY ADJUSTMENT RIDER**		**$ (346,224.67)**	**$ (159,334.54)**	**$ (282,355.61)**	**$ (239,976.72)**	**$ (386,931.98)**	**$ (502,579.50)**	**$ (685,459.54)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ (2,602,862.56)**

Otter Tail Power Company
Detail of MISO Day 2 Charges by Charge Group for Current Month - System
July 2017 includes any adjustments

No.	Charge Type Description	(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) Net Intersystem	(G) Total	(H)** 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	$ 9,039,786.94	$ (6,595,426.51)	$ -	$ 2,444,360.43			378,327	(290,269)
2	DA FBT Loss Amount	555.04	$ -	$ -	$ -	$ -			-	-
3	DA Non-asset Energy Amount	555.09	$ -	$ (114,958.23)	$ -	$ (114,958.23)			-	(4,113)
4	RT Asset Energy Amount	555.19	$ 32,984.70	$ (1,167,272.89)	$ 124,169.40	$ (1,010,118.79)			1,361	(47,053)
5	RT Distribution of Losses Amount	555.24	$ 3,472.20	$ (129,743.70)	$ (2,697.10)	$ (128,968.60)			-	-
6	RT FBT Loss Amount	555.21	$ -	$ -	$ -	$ -			-	-
7	RT Non-Asset Energy Amount	555.26	$ -	$ -	$ -	$ -			-	-
8	**TOTAL**		**$ 9,076,243.84**	**$ (8,007,401.33)**	**$ 121,472.30**	**$ 1,190,314.81**	**$ -**	**$ -**	**379,688**	**(341,435)**
	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	$ 44,831.94	$ -	$ -	$ 44,831.94			-	-
13	RT Mkt Admin Amount	555.18	$ 5,996.44	$ -	$ (364.57)	$ 5,631.87			-	-
14	FTR_Mkt Admin Amount	555.13	$ 1,645.52	$ -	$ -	$ 1,645.52			-	-
15	**TOTAL**		**$ 52,473.90**	**$ -**	**$ (364.57)**	**$ 52,109.33**	**$ -**	**$ -**	**-**	**-**
	Congest & FTRs									
16	DA FBT Congestion Amount	555.03	$ -	$ -	$ -	$ -			-	-
17	RT FBT Congestion Amount	555.20	$ -	$ -	$ -	$ -			-	-
18	FTR Hourly Allocation Amount	555.14	$ 140,057.65	$ (321,744.21)	$ (0.12)	$ (181,686.68)			-	-
19	FTR Monthly Allocation Amount	555.15	$ -	$ (12,220.58)	$ -	$ (12,220.58)			-	-
20	FTR Yearly Allocation Amount	555.17	$ -	$ -	$ -	$ -			-	-
21	FTR Monthly Transaction Amount	555.35	$ -	$ (7,766.29)	$ -	$ (7,766.29)			-	-
22	FTR Full Funding Guarantee Amount	555.36	$ 11,798.64	$ (14,596.21)	$ 0.12	$ (2,797.45)			-	-
23	FTR Guarantee Uplift Amount	555.37	$ 14,596.21	$ (11,798.64)	$ (0.12)	$ 2,797.45			-	-
24	FTR Auction Revenue Rights Transaction Amount	555.39	$ 9,082.49	$ (299,797.37)	$ -	$ (290,714.88)			-	-
25	FTR Annual Transaction Amount	555.38	$ 269,148.86	$ (9,446.76)	$ -	$ 259,702.10			-	-
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	$ 9,018.02	$ -	$ -	$ 9,018.02				
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	$ -	$ (31,898.82)	$ 626.69	$ (31,272.13)			-	-
28	**TOTAL**		**$ 453,701.87**	**$ (709,268.88)**	**$ 626.57**	**$ (254,940.44)**	**$ -**	**$ -**	**-**	**-**
	RSG & Make Whole Payments									
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	$ 4,824.91	$ -	$ (1.75)	$ 4,823.16			-	-
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	$ -	$ (1,062.01)	$ -	$ (1,062.01)			-	-
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	$ 17,957.76	$ -	$ (318.54)	$ 17,639.22			-	-
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	$ -	$ -	$ -	$ -			-	-
33	RT Price Volatility Make Whole Payment	555.42	$ -	$ (30,734.93)	$ -	$ (30,734.93)			-	-
34	**TOTAL**		**$ 22,782.67**	**$ (31,796.94)**	**$ (320.29)**	**$ (9,334.56)**	**$ -**	**$ -**	**-**	**-**
	Revenue Neutrality Uplift									
35	RT Revenue Neutrality Uplift Amount	555.28	$ 36,644.65	$ (4,688.35)	$ 4,508.96	$ 36,465.26			-	-
36	**TOTAL**		**$ 36,644.65**	**$ (4,688.35)**	**$ 4,508.96**	**$ 36,465.26**	**$ -**	**$ -**	**-**	**-**
	Other Charges									
37	RT Misc Amount	555.25	$ -	$ (4.70)	$ 11,275.02	$ 11,270.32			-	-
38	RT Net Inadvertent Amount	555.27	$ 6,365.58	$ (1,276.36)	$ (1,554.13)	$ 3,535.09			-	-
39	RT Uninstructed Deviation Amount	555.31	$ -	$ -	$ -	$ -			-	-
40	RT Demand Response Allocation Uplift Amount	555.59	$ -	$ -	$ -	$ -			-	-
41	DA Ramp Product Amount	555.63	$ -	$ (2,691.53)	$ -	$ (2,691.53)			-	-
42	RT Ramp Product Amount	555.64	$ 721.15	$ (399.90)	$ -	$ 321.25			-	-
43	**TOTAL**		**$ 7,086.73**	**$ (4,372.49)**	**$ 9,720.89**	**$ 12,435.13**	**$ -**	**$ -**	**-**	**-**
	ASM Charges									
44	DA_ASM_REG	555.43	$ -	$ (3,712.81)	$ -	$ (3,712.81)			-	(217)
45	DA_ASM_SPIN	555.44	$ -	$ (32,656.97)	$ -	$ (32,656.97)			-	(5,203)
46	DA_ASM_SUPP	555.45	$ -	$ -	$ -	$ -			-	-
47	RT_ASM_REG	555.46	$ 4,043.92	$ (11,985.38)	$ -	$ (7,941.46)			178	(221)
48	RT_ASM_SPIN	555.47	$ 10,420.54	$ (2,866.19)	$ -	$ 7,554.35			2,602	(450)
49	RT_ASM_SUPP	555.48	$ -	$ -	$ -	$ -			-	-
50	RT_ASM_NRGA	555.49	$ 926.83	$ (121.64)	$ -	$ 805.19			-	-
51	RT_ASM_EXE_DFE_DEP	555.50	$ 457.39	$ (0.01)	$ (0.10)	$ 457.28			-	-
52	RT_ASM_CRDFC	555.51	$ 134.71	$ -	$ -	$ 134.71			-	-

Otter Tail Power Company
Detail of MISO Day 2 Charges by Charge Group for Current Month - System
July 2017 includes any adjustments

	Charge Type Description	(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) Net Intersystem	(G) Total	(H)** Charge types with MWH for Retail	
53	RT_ASM_REG_DIST	555.52	$ 12,923.21	$ (596.30)	$ 312.57	$ 12,639.48			-	-
54	RT_ASM_SPIN_DIST	555.53	$ 12,942.28	$ (1,173.77)	$ 457.34	$ 12,225.85			-	-
55	RT_ASM_SUPP_DIST	555.54	$ 5,206.16	$ (450.60)	$ 206.62	$ 4,962.18			-	-
56	RT ASM Non-Excessive Energy Amount	555.55	$ 668,955.11	$ (273,496.67)	$ 304.31	$ 395,762.75			28,452	(13,581)
57	RT ASM Excessive Energy Amount	555.56	$ 1,264.01	$ -	$ -	$ 1,264.01			-	(142)
58	RT_ASM_MISC	555.25	$ -	$ -	$ -	$ -			-	-
59	**TOTAL**		**$ 717,274.16**	**$ (327,060.34)**	**$ 1,280.74**	**$ 391,494.56**	**$ -**	**$ -**	**31,232**	**(19,814)**
	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**		**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**-**	**-**
							... PROTECTED DATA ENDS]			
67	**TOTAL MISO DAY 2 CHARGES**		$ 10,366,207.82	$ (9,084,588.33)	$ 136,924.60	$ 1,418,544.09	$ (685,459.54)	$ 733,084.55	410,920	(361,249)
68	**Less: MISO RSG Bad Debt**				$ -	$ -				
69	**TOTAL FOR ND COST OF ENERGY ADJUSTMENT**		**$ 10,366,207.82**	**$ (9,084,588.33)**	**$ 136,924.60**	**$ 1,418,544.09**				
70	Net MISO Charges for Retail = (B) + (C) + (D)			**$ 1,418,544.09**						
71	Net KWH for retail = ((G) + (H)) * 1,000			49,670,458						**49,670,458**

72 July covers time period of 6/23/2017 -- 7/23/2017 ** increased for losses of 2.8%

		Net Retail	Net MISO KWH
73	**MISO Book Totals**	$ 1,281,619.49	49,670,458
74	**MISO RSG Bad Debt**	$ -	
75	**July Adjustments**	$ 136,924.60	6,365,983
76	**Total MISO**	**$ 1,418,544.09**	**56,036,440**

Otter Tail Power Company
Plant Conditions for July 2017

Plant	Net MWh	Unit Availability %	Equivalent Availability %	Outage Days	Outage Type	Outage Reason	Fuel Prices %	Fuel Prices Actual vs Budget
Big Stone	204,490	92.6	91.2	2.28	Scheduled	Maintenance Outage	0.98	Over
Coyote	292,953	97.3	94.6				9.14	Over
Hoot Lake Unit 2	13,451	100.0	99.3				8.17	Under
Hoot Lake Unit 3	18,478	99.0	99.0				8.17	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.