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July 23, 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 June 2019.

Per Commission approval in Case No. PU-17-398, the following changes to the Energy Adjustment Rider are reflected in the rates effective August 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Allowance Adjustment Rider portion of the Environmental Cost Recovery Rider (Electric Rate Schedule Section 13.08) is no longer in effect.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
July 23, 2019
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Otter Tail Power Company submits an original and two (2) copies each of the following:

- 1) Calculation of the August 2019 Energy Adjustment Rider based on the four-month period ending June 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.
- 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 June 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 AUGUST 1, 2019

Line	ENERGY COSTS & CREDITS	(A)	(B)	(C)	(D)	(E)
		2019 March	2019 April	2019 May	2019 June	Total This Period
1	Purchased Power	\$1,714,442	\$2,245,889	\$1,940,513	\$1,763,864	\$7,664,708
2	Wind Curtailment	\$46	\$1,293	(\$576)	\$4,253	\$5,016
3	Steam Plant Generation	\$6,206,422	\$3,670,447	\$1,945,041	\$2,505,577	\$14,327,487
4	Other Plant Generation	\$189,465	\$82,621	\$22,462	\$70,450	\$364,998
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Steam Plant Reagents	\$277,052	\$178,271	\$103,080	\$109,655	\$668,057
7	Coyote Lime	\$55,662	\$0	\$0	\$0	\$55,662
8	Emission Allowance Purchase	\$141	\$145	\$42	(\$11)	\$317
9	Less: Intersystem Sales	(\$317,888)	(\$256,995)	(\$231,799)	(\$417,188)	(\$1,223,870)
10	Net Retail MISO Day 2	\$4,109,786	\$3,844,648	\$5,007,008	\$3,603,372	\$16,564,814
11	Net Retail SPP	\$21,924	(\$67,095)	(\$130,308)	(\$205,770)	(\$381,249)
12	ND Interim Rate Refund Under \$2	\$0	(\$3,119)	\$0	\$0	(\$3,119)
13	NET ENERGY COSTS	\$12,257,051	\$9,696,104	\$8,655,463	\$7,434,203	\$38,042,822

Line	ASSET-BASED MARGINS	2019	2019	2019	2019	Total
		May	June	July	August	This Period
14	Forecast of Margins - 85%	\$0	\$0	\$0	(\$123,345)	(\$123,345)
15	True-up of prior months margin forecast	(\$97,061)	(\$9,514)	(\$220)	\$18,211	(\$88,584)
16	Total Margin Credit	(\$97,061)	(\$9,514)	(\$220)	(\$105,134)	(\$211,929)
17	Prior (over) under recovery (line 27)					(\$4,279,214)
18	Adjusted Net Energy Costs (lines 13 + 16 + 17)					\$33,551,679

Line	ENERGY -- KWH	2019	2019	2019	2019	Total
		March	April	May	June	This Period
19	Retail Sales - kWhs	455,106,991	399,191,870	369,003,110	355,787,239	1,579,089,210
20	System Delivered Cost per kWh					\$0.02125

21	Service Category	E2-E8760 Alloc. Ratio	Class Energy	
			Adjustment Factor (EAF)	
21a	Residential	1.0250	\$	0.02178
21b	Farms	0.9690	\$	0.02059
21c	General Service	1.0160	\$	0.02159
21d	Large General Service	0.9670	\$	0.02055
21e	Irrigation Services	0.9370	\$	0.01991
21f	Outdoor Lighting	0.7840	\$	0.01666
21g	OPA	1.0110	\$	0.02148
21h	Controlled Service Water Heating	1.0350	\$	0.02199
21i	Controlled Service Interruptible	1.0370	\$	0.02204
21j	Controlled Service Deferred	0.9630	\$	0.02046

TRUE UP FOR JUNE

22	Retail Sales (kWhs) (Col D, Line 19)	355,787,239
23	Net Energy Costs for the System -- Most recent month (Col D Line 13, Col B Line 16)	\$7,424,689
24	COE Recovery Rate Effective for June	\$0.02330
25	Amount Recovered by COE (Line 24 x Line 22)	\$8,289,843
26	(Over) / Under Recovery (Line 23 minus Line 25)	(\$865,153)
27	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under) (Line 26 + Line 27 prior month)	(\$4,279,214)

Otter Tail Power Company							
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System							
June 2019 includes any adjustments							
No.	Charge Type Description	(A) Acct	(B) Total	(C) Energy Adjustment Rider		(E) Total	(F) Non-Energy Adj. Rider
				Retail	Other		
1	DA Asset Energy Amount	555.02	\$ 3,472,769.11	\$ 3,472,857.53	\$ -	\$ 3,472,857.53	\$ (88.42)
2	DA Non-asset Energy Amount	555.09	\$ (79,864.19)	\$ (79,864.19)	\$ -	\$ (79,864.19)	\$ -
3	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19	\$ 218,172.81	\$ 218,172.81	\$ -	\$ 218,172.81	\$ -
5	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -
6	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -
7	ENERGY CHARGES TOTAL		\$ 3,611,077.73	\$ 3,611,166.15	\$ -	\$ 3,611,166.15	\$ (88.42)
8	DA Mkt Admin Amount	555.01	\$ 50,000.44	\$ 50,000.03	\$ -	\$ 50,000.03	\$ 0.41
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	\$ (713.63)	\$ (713.63)	\$ -	\$ (713.63)	\$ -
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 5,000.41	\$ 4,742.88	\$ -	\$ 4,742.88	\$ 257.53
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (300.48)	\$ (300.48)	\$ -	\$ (300.48)	\$ -
18	FTR Mkt Admin Amount	555.13	\$ 2,254.40	\$ 2,254.40	\$ -	\$ 2,254.40	\$ -
19	FTR Hourly Allocation Amount	555.14	\$ (161,041.27)	\$ (161,041.27)	\$ -	\$ (161,041.27)	\$ -
20	FTR Monthly Allocation Amount	555.15	\$ (11,941.64)	\$ (11,941.64)	\$ -	\$ (11,941.64)	\$ -
21	FTR Monthly Transaction Amount	555.35	\$ (48,387.66)	\$ (48,387.66)	\$ -	\$ (48,387.66)	\$ -
22	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ -
23	RT Mkt Admin Amount	555.18	\$ 7,757.92	\$ 5,605.81	\$ -	\$ 5,605.81	\$ 2,152.11
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	\$ (80,451.86)	\$ (80,451.86)	\$ -	\$ (80,451.86)	\$ -
29	RT Misc Amount	555.25	\$ 29,466.67	\$ 29,466.67	\$ -	\$ 29,466.67	\$ -
30	RT Net Inadvertent Amount	555.27	\$ 2,688.34	\$ 2,688.34	\$ -	\$ 2,688.34	\$ -
31	RT Ramp Product	555.64	\$ (96.78)	\$ (96.78)	\$ -	\$ (96.78)	\$ -
32	RT Revenue Neutrality Uplift Amount	555.28	\$ 14,410.92	\$ 13,668.48	\$ -	\$ 13,668.48	\$ 742.44
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	\$ 22,821.40	\$ 21,645.66	\$ -	\$ 21,645.66	\$ 1,175.74
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (3,649.02)	\$ -	\$ -	\$ -	\$ (3,649.02)
35	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -
36	FTR Full Funding Guarantee Amount	555.36	\$ (17,103.31)	\$ (17,103.31)	\$ -	\$ (17,103.31)	\$ -
37	FTR Guarantee Uplift Amount	555.37	\$ 16,438.30	\$ 16,438.30	\$ -	\$ 16,438.30	\$ -
38	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (147,457.48)	\$ (147,457.48)	\$ -	\$ (147,457.48)	\$ -
39	FTR Annual Transaction Amount	555.38	\$ 147,457.41	\$ 147,457.41	\$ -	\$ 147,457.41	\$ -

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
June 2019 includes any adjustments								
No.	Charge Type Description	(A)	(B)	(C)		(D)	(E)	(F)
		Acct	Total	Retail	Other	Energy Adjustment Rider	Total	Non-Energy Adj. Rider
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 2,796.83	\$ 2,796.83	\$ -	\$ -	\$ 2,796.83	\$ -
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (39,410.72)	\$ (39,410.72)	\$ -	\$ -	\$ (39,410.72)	\$ -
42	RT Price Volatility Make Whole Payment	555.42	\$ (3,475.28)	\$ (3,296.20)	\$ -	\$ -	\$ (3,296.20)	\$ (179.08)
43	DA_ASM_REG	555.43	\$ (56,327.99)	\$ (56,327.99)	\$ -	\$ -	\$ (56,327.99)	\$ -
44	DA_ASM_SPIN	555.44	\$ (11,922.77)	\$ (11,922.77)	\$ -	\$ -	\$ (11,922.77)	\$ -
45	DA_ASM_SUPP	555.45	\$ (2,445.62)	\$ (2,445.62)	\$ -	\$ -	\$ (2,445.62)	\$ -
46	RT_ASM_REG	555.46	\$ 12,068.64	\$ 12,068.64	\$ -	\$ -	\$ 12,068.64	\$ -
47	RT_ASM_SPIN	555.47	\$ 4,031.00	\$ 4,031.00	\$ -	\$ -	\$ 4,031.00	\$ -
48	RT_ASM_SUPP	555.48	\$ 1,012.07	\$ 1,012.07	\$ -	\$ -	\$ 1,012.07	\$ -
49	RT_ASM_NRGA	555.49	\$ 1,897.03	\$ 1,897.03	\$ -	\$ -	\$ 1,897.03	\$ -
50	RT_ASM_EXE_DFE_DEP	555.50	\$ 1,677.86	\$ 1,677.86	\$ -	\$ -	\$ 1,677.86	\$ -
51	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52	RT_ASM_REG_DIST	555.52	\$ 9,988.47	\$ 9,988.47	\$ -	\$ -	\$ 9,988.47	\$ -
53	RT_ASM_SPIN_DIST	555.53	\$ 9,024.47	\$ 9,024.47	\$ -	\$ -	\$ 9,024.47	\$ -
54	RT_ASM_SUPP_DIST	555.54	\$ 1,822.87	\$ 1,822.87	\$ -	\$ -	\$ 1,822.87	\$ -
55	RT ASM Non-Excessive Energy Amount	555.55	\$ (161,603.46)	\$ 234,816.45	\$ -	\$ -	\$ 234,816.45	\$ (396,419.91)
56	RT ASM Excessive Energy Amount	555.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59	ENERGY CHARGES TOTAL		\$ (403,713.52)	\$ (7,793.74)	\$ -	\$ -	\$ (7,793.74)	\$ (395,919.78)
60	TOTAL MISO DAY 2 CHARGES		\$ 3,207,364.21	\$ 3,603,372.41	\$ -	\$ -	\$ 3,603,372.41	\$ (396,008.20)
61	Less: MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
62	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 3,207,364.21	\$ 3,603,372.41	\$ -	\$ -	\$ 3,603,372.41	\$ (396,008.20)

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
Day Ahead & Real Time Asset & Non Asset Energy & Loss															
1	DA Asset Energy Amount	555.02	\$ 3,939,295.11	\$ 6,411,561.89	\$ 3,659,069.10	\$ 3,225,114.45	\$ 4,674,794.04	\$ 3,472,857.53							\$ 25,382,692.12
2	DA FBT Loss Amount	555.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
3	DA Non-asset Energy Amount	555.09	\$ (113,446.83)	\$ (125,963.49)	\$ (120,237.21)	\$ (114,174.58)	\$ (94,908.83)	\$ (79,864.19)							\$ (648,595.13)
4	RT Asset Energy Amount	555.19	\$ 367,347.25	\$ (125,312.82)	\$ 293,324.26	\$ 717,962.78	\$ 385,584.40	\$ 218,172.81							\$ 1,857,078.68
5	RT Distribution of Losses Amount	555.24	\$ (227,109.25)	\$ (352,171.94)	\$ (250,836.59)	\$ (133,086.24)	\$ (90,402.99)	\$ (80,451.86)							\$ (1,134,058.87)
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
7	RT Non-Asset Energy Amount	555.26	\$ (9.64)	\$ -	\$ -	\$ -	\$ -	\$ -							\$ (9.64)
8	TOTAL		\$ 3,966,076.64	\$ 5,808,113.64	\$ 3,581,319.56	\$ 3,695,816.41	\$ 4,875,066.62	\$ 3,530,714.29	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,457,107.16
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	\$ 50,841.13	\$ 58,638.37	\$ 74,007.76	\$ 68,133.61	\$ 49,799.83	\$ 50,000.03							\$ 351,420.73
13	RT Mkt Admin Amount	555.18	\$ 4,324.17	\$ 4,674.95	\$ 6,305.35	\$ 6,310.75	\$ 5,671.58	\$ 5,605.81							\$ 32,892.61
14	FTR Mkt Admin Amount	555.13	\$ 2,038.00	\$ 1,084.80	\$ 1,874.40	\$ 2,907.04	\$ 2,135.12	\$ 2,254.40							\$ 12,293.76
15	TOTAL		\$ 57,203.30	\$ 64,398.12	\$ 82,187.51	\$ 77,351.40	\$ 57,606.53	\$ 57,860.24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 396,607.10
Congest & FTRs															
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)	\$ (287,396.29)	\$ (162,268.45)	\$ (225,790.85)	\$ (161,041.27)							\$ (1,587,468.54)
19	FTR Monthly Allocation Amount	555.15	\$ (10,414.07)	\$ (17,836.05)	\$ (29,372.64)	\$ (14,439.32)	\$ (16,616.29)	\$ (11,941.64)							\$ (100,620.01)
20	FTR Yearly Allocation Amount	555.17	\$ (25,712.96)	\$ 0.32	\$ -	\$ -	\$ -	\$ -							\$ (25,712.64)
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ (4,316.67)	\$ (11,997.79)	\$ (8,752.27)	\$ (48,387.66)							\$ (73,454.39)
22	FTR Full Funding Guarantee Amount	555.36	\$ 21,847.02	\$ (20,867.77)	\$ 3,823.61	\$ 7,413.31	\$ (2,999.83)	\$ (17,103.31)							\$ (7,886.97)
23	FTR Guarantee Uplift Amount	555.37	\$ (20,444.89)	\$ 24,028.72	\$ (3,826.11)	\$ (6,844.87)	\$ 2,917.79	\$ 16,438.30							\$ 12,268.94
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (120,228.93)	\$ (120,228.93)	\$ (129,069.19)	\$ (129,069.19)	\$ (129,069.19)	\$ (147,457.48)							\$ (775,122.88)
25	FTR Annual Transaction Amount	555.38	\$ 120,228.57	\$ 120,228.57	\$ 129,069.47	\$ 129,069.47	\$ 147,457.41	\$ 147,457.41							\$ 775,122.96
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 4,347.98	\$ 4,346.94	\$ 5,651.23	\$ 5,651.23	\$ 5,651.23	\$ 2,796.83							\$ 28,445.44
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (28,943.64)	\$ (29,396.54)	\$ (11,496.83)	\$ (11,496.85)	\$ (11,496.85)	\$ (39,410.72)							\$ (132,241.43)
28	TOTAL		\$ (335,877.21)	\$ (614,140.13)	\$ (326,933.41)	\$ (193,982.45)	\$ (257,086.78)	\$ (258,649.54)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,886,669.52)
RSG & Make Whole Payments															
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 8,907.45	\$ 14,253.65	\$ 13,166.38	\$ 11,110.35	\$ 8,519.07	\$ 4,742.88							\$ 60,699.78
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (732.33)	\$ (82.84)	\$ (0.01)	\$ (5,588.14)	\$ (1,506.30)	\$ (300.48)							\$ (8,210.10)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 19,063.53	\$ 73,968.64	\$ 47,167.91	\$ 13,972.50	\$ 11,226.86	\$ 21,645.66							\$ 187,045.10
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)	\$ (7,279.52)	\$ (13,368.43)	\$ (19,183.97)	\$ (3,296.20)							\$ (59,531.08)
34	TOTAL		\$ 18,321.04	\$ 80,654.10	\$ 53,054.76	\$ 6,126.28	\$ (944.34)	\$ 22,791.86	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,003.70
Revenue Neutrality Uplift															
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 9,389.57	\$ 204,415.96	\$ 58,556.73	\$ 44,835.77	\$ 48,514.85	\$ 13,668.48							\$ 379,381.36
36	TOTAL		\$ 9,389.57	\$ 204,415.96	\$ 58,556.73	\$ 44,835.77	\$ 48,514.85	\$ 13,668.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 379,381.36
Other Charges															
37	RT Misc Amount	555.25	\$ 25,643.70	\$ 19,866.13	\$ 27,140.30	\$ 32,045.01	\$ (11,806.82)	\$ 29,466.67							\$ 122,355.19
38	RT Net Inadvertent Amount	555.27	\$ (3,760.74)	\$ (13,832.29)	\$ 3,854.59	\$ (6,495.38)	\$ (2,515.41)	\$ 2,688.34							\$ (20,060.89)
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)	\$ (227.21)	\$ (472.65)	\$ (492.90)	\$ (713.63)							\$ (2,580.19)
42	RT Ramp Product Amount	555.64	\$ (212.78)	\$ (24.24)	\$ 33.64	\$ (102.65)	\$ 56.29	\$ (96.78)							\$ (346.52)
43	TOTAL		\$ 21,288.44	\$ 5,717.56	\$ 30,801.32	\$ 24,974.33	\$ (14,758.64)	\$ 31,344.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,367.61
ASM Charges															
44	DA_ASM_REG	555.43	\$ (44,978.34)	\$ (25,638.63)	\$ (30,721.39)	\$ (36,324.08)	\$ (27,296.51)	\$ (56,327.99)							\$ (221,286.94)
45	DA_ASM_SPIN	555.44	\$ (15,797.46)	\$ (16,058.37)	\$ (16,254.01)	\$ (21,665.05)	\$ (26,282.95)	\$ (11,922.77)							\$ (107,980.61)
46	DA_ASM_SUPP	555.45	\$ (2,095.48)	\$ (5,674.50)	\$ (6,112.62)	\$ (2,742.43)	\$ (5,013.70)	\$ (2,445.62)							\$ (24,084.35)
47	RT_ASM_REG	555.46	\$ 4,514.54	\$ (3,691.21)	\$ (6,957.58)	\$ (1,294.24)	\$ 7,219.93	\$ 12,068.64							\$ 12,220.08
48	RT_ASM_SPIN	555.47	\$ 1,743.66	\$ 1,662.43	\$ 1,544.05	\$ 4,787.87	\$ 5,982.30	\$ 4,031.00							\$ 19,751.31
49	RT_ASM_SUPP	555.48	\$ 1,195.80	\$ 4,463.51	\$ 530.75	\$ 1,123.10	\$ 1,127.83	\$ 1,012.07							\$ 9,453.06
50	RT_ASM_NRGA	555.49	\$ 2,689.65	\$ 571.24	\$ 1,163.33	\$ 1,746.08	\$ 1,200.64	\$ 1,897.03							\$ 9,267.97
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 1,899.17	\$ 3,312.19	\$ 4,519.54	\$ 2,122.96	\$ 3,962.77	\$ 1,677.86							\$ 17,494.49
52	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
53	RT_ASM_REG_DIST	555.52	\$ 16,076.01	\$ 15,147.12	\$ 16,109.13	\$ 14,023.36	\$ 14,643.49	\$ 9,988.47							\$ 85,987.58
54	RT_ASM_SPIN_DIST	555.53	\$ 14,325.82	\$ 16,899.61	\$ 16,145.60	\$ 16,700.35	\$ 16,221.80	\$ 9,024.47							\$ 89,117.65
55	RT_ASM_SUPP_DIST	555.54	\$ 2,089.29	\$ 5,115.12	\$ 4,977.59	\$ 2,804.76	\$ 3,941.04	\$ 1,822.87							\$ 20,550.67
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 789,104.32	\$ 654,402.70	\$ 645,686.92	\$ 207,592.52	\$ 300,935.98	\$ 234,816.45							\$ 2,832,538.89
57	RT ASM Excessive Energy Amount	555.56	\$ (313.14)	\$ (276.69)	\$ (191.86)	\$ 850.88	\$ 1,967.18	\$ -							\$ 2,036.37
58	RT ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
59	TOTAL		\$ 770,453.84	\$ 650,034.52	\$ 630,799.45	\$ 189,526.08	\$ 298,609.80	\$ 205,642.48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,745,066.17
Grandfathered Charge Types															
60	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
61	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
62	DA Congestion Rebate on Option B GFA	555.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
63	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
64	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
65	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							\$ -
66	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
67	TOTAL MISO DAY 2 CHARGES - Energy Adjustment Rider		\$ 4,506,855.62	\$ 6,299,193.77	\$ 4,109,785.92	\$ 3,844,647.82	\$ 5,007,008.04	\$ 3,603,372.41	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,370,863.58
68															
69															
70	TOTAL FOR MN ENERGY ADJUSTMENT RIDER		\$ 4,506,855.62	\$ 6,299,193.77	\$ 4,109,785.92	\$ 3,844,647.82	\$ 5,007,008.04	\$ 3,603,372.41	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,370,863.58

Otter Tail Power Company										
Detail of MISO Day 2 Charges by Charge Group for Current Month - System										
June 2019 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_REG_DIST	555.52	\$ 9,742.23	\$ (22.48)	\$ 268.72	\$ 9,988.47	\$ -	\$ 9,988.47	-	-
54	RT_ASM_SPIN_DIST	555.53	\$ 8,700.74	\$ (12.16)	\$ 335.89	\$ 9,024.47	\$ -	\$ 9,024.47	-	-
55	RT_ASM_SUPP_DIST	555.54	\$ 1,753.68	\$ (2.11)	\$ 71.30	\$ 1,822.87	\$ -	\$ 1,822.87	-	-
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 328,351.90	\$ (93,417.17)	\$ (118.28)	\$ 234,816.45	\$ (396,419.91)	\$ (161,603.46)	17,733	(5,767)
57	RT ASM Excessive Energy Amount	555.56	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
59	TOTAL		\$ 379,130.23	\$ (174,045.80)	\$ 558.05	\$ 205,642.48	\$ (396,419.91)	\$ (190,777.43)	17,733	(22,104)
Grandfathered Charge Types										
60	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
61	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
62	DA Congestion Rebate on Option B GFA	555.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
63	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
64	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
65	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
66	TOTAL		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
67	TOTAL MISO DAY 2 CHARGES		\$ 7,059,717.00	\$ (3,655,600.11)	\$ 199,255.52	\$ 3,603,372.41	\$ (396,008.20)	\$ 3,207,364.21	351,169	(186,820)
68	Less: MISO RSG Bad Debt				\$ -	\$ -				
69	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 7,059,717.00	\$ (3,655,600.11)	\$ 199,255.52	\$ 3,603,372.41				
70	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 3,603,372.41						
71	Net KWH for retail = ((G) + (H)) * 1,000			164,348,971						164,348,971
72	June covers time period of 5/24/2019 -- 6/20/2019 ** increased for losses of 2.8%									
73	MISO Book Totals		\$ 3,404,116.89	164,348,971						
74	MISO RSG Bad Debt		\$ -							
75	June Adjustments		\$ 199,255.52	6,721,993						
76	Total MISO		\$ 3,603,372.41	171,070,964						

Otter Tail Power Company
 Plant Conditions for June 2019

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	113,300	99.0	98.4				3.44	Under
Coyote	(3)	0.0	0.0	30.00	Scheduled	8 Week Major Outage Extension	0.00	
Hoot Lake Unit 2	(83)	0.0	0.0	30.00	Scheduled	Turbine Outage	0.00	
Hoot Lake Unit 3	2,444	100.0	100.0				11.07	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 June 2019 includes any adjustments									
Charge Type Description		(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) and (G)** 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	\$ 448.01	\$ -	\$ (7.47)	\$ 440.54	25	(0)	
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 448.01	\$ -	\$ (7.47)	\$ 440.54	25	(0)	
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 20.77	\$ -	\$ (0.04)	\$ 20.73	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 20.77	\$ -	\$ (0.04)	\$ 20.73			
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 7.59	\$ -	\$ (0.60)	\$ 6.99	-	-	-
11	TOTAL		\$ 7.59	\$ -	\$ (0.60)	\$ 6.99			
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.64	\$ -	\$ (0.13)	\$ 0.51	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.60	\$ -	\$ (0.13)	\$ 0.47	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.02	\$ -	\$ (0.03)	\$ 3.99	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.35	\$ -	\$ -	\$ 0.35	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (5,703.47)	\$ 399.18	\$ (5,304.29)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	\$ -	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ -	\$ (70,004.56)	\$ -	\$ (70,004.56)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ -	\$ (23,582.36)	\$ -	\$ (23,582.36)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (1.12)	\$ (1.12)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ (107,353.99)	\$ -	\$ (107,353.99)	-	-	-
27	TOTAL		\$ 5.61	\$ (206,644.38)	\$ 397.77	\$ (206,241.00)			
Grandfathered Charge Types									
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 5.05	\$ -	\$ (1.81)	\$ 3.24	-	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
31	TOTAL		\$ 5.05	\$ -	\$ (1.81)	\$ 3.24			
32	TOTAL SPP CHARGES		\$ 487.03	\$ (206,644.38)	\$ 387.85	\$ (205,769.50)	25	(0)	
33	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (205,769.50)					
34	Net KWH for retail = ((F) + (G)) * 1,000							24,888	
35	June 2019 covers time period of 5/24/2019 - 06/20/2019								** (F) and (G) increased for losses of 2.8%
36	SPP Book Totals		\$ (206,157.35)	24,888					
37	Adjustments		\$ 387.85	-					
38	Total SPP		\$ (205,769.50)	24,888					

