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May 28, 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 April 2019.

Per Commission approval in Case No. PU-17-398, the following changes to the Energy Adjustment Rider are reflected in the rates effective June 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Allowance Adjustment Rider portion of the Environmental Cost Recovery Rider (Electric Rate Schedule Section 13.08) is no longer in effect.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.

13 **PU-19-13** Filed: 5/29/2019 Pages: 12
Fuel Cost Adjustment - effective June 1, 2019

Mr. Steve Kahl
May 28, 2019
Page Two

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

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


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 JUNE 1, 2019

Line	ENERGY COSTS & CREDITS	(A)	(B)	(C)	(D)	(E)
		2019	2019	2019	2019	Total
		January	February	March	April	This Period
1	Purchased Power	\$2,056,455	\$1,419,828	\$1,714,442	\$2,245,889	\$7,436,614
2	Wind Curtailment	(\$1,064)	\$0	\$46	\$1,293	\$275
3	Steam Plant Generation	\$5,928,483	\$5,947,767	\$6,206,422	\$3,670,447	\$21,753,119
4	Other Plant Generation	\$527,221	\$120,474	\$189,465	\$82,621	\$919,781
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Steam Plant Reagents	\$246,762	\$246,770	\$277,052	\$178,271	\$948,855
7	Coyote Lime	\$78,947	\$57,049	\$55,662	\$0	\$191,658
8	Emission Allowance Purchase	\$1,139	\$139	\$141	\$145	\$1,564
9	Less: Intersystem Sales	(\$286,626)	(\$537,699)	(\$317,888)	(\$256,995)	(\$1,399,208)
10	Net Retail MISO Day 2	\$4,506,856	\$6,299,194	\$4,109,786	\$3,844,648	\$18,760,483
11	Net Retail SPP	(\$22,061)	\$178,313	\$21,924	(\$67,095)	\$111,080
12	ND Interim Rate Refund Under \$2	\$0	\$0	\$0	(\$3,119)	(\$3,119)
13	NET ENERGY COSTS	\$13,036,112	\$13,731,834	\$12,257,051	\$9,696,104	\$48,721,102

Line	ASSET-BASED MARGINS	2019	2019	2019	2019	Total
		March	April	May	June	This Period
14	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
15	True-up of prior months margin forecast	(\$6,032)	(\$164,402)	(\$97,061)	(\$9,514)	(\$277,009)
16	Total Margin Credit	(\$6,032)	(\$164,402)	(\$97,061)	(\$9,514)	(\$277,009)
17	Prior (over) under recovery (line 28)					(\$2,957,717)
18	Adjusted Net Energy Costs (lines 12 + 15 + 16a + 16b)					\$45,486,376

Line	ENERGY — KWH	2019	2019	2019	2019	Total
		January	February	March	April	This Period
19	Retail Sales - kWhs	533,928,769	564,122,668	455,106,991	399,191,870	1,952,350,298
20	System Delivered Cost per kWh					\$0.02330

21	Service Category	E2-E8760 Alloc. Ratio	Class Energy Adjustment Factor (EAF)	
21a	Residential	1.0250	\$	0.02388
21b	Farms	0.9690	\$	0.02258
21c	General Service	1.0160	\$	0.02367
21d	Large General Service	0.9670	\$	0.02253
21e	Irrigation Services	0.9370	\$	0.02183
21f	Outdoor Lighting	0.7840	\$	0.01827
21g	OPA	1.0110	\$	0.02356
21h	Controlled Service Water Heating	1.0350	\$	0.02412
21i	Controlled Service Interruptible	1.0370	\$	0.02416
21j	Controlled Service Deferred	0.9630	\$	0.02244

TRUE UP FOR APRIL

22	Retail Sales (kWhs) (Col D, Line 18)	399,191,870
23	Net Energy Costs for the System — Most recent month (Col D Line 12, Col B Line 15)	\$9,531,702
24	COE Recovery Rate Effective for April	\$0.02661
25	Amount Recovered by COE (Line 23 x Line 21)	\$10,622,496
26	(Over) / Under Recovery (Line 22 minus Line 24)	(\$1,090,794)
27	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under) (Line 26 + Line 27 prior month)	(\$2,957,717)

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
April 2019 includes any adjustments								
No.	Charge Type Description	(A)	(B)	(C)		(D)	(E)	(F)
		Acct	Total	Retail	Other	Total	Non-Energy Adj. Rider	
1	DA Asset Energy Amount	555.02	\$ 3,131,366.89	\$ 3,225,114.45	\$ -	\$ 3,225,114.45	\$ (93,747.56)	
2	DA Non-asset Energy Amount	555.09	\$ (114,174.58)	\$ (114,174.58)	\$ -	\$ (114,174.58)	\$ -	
3	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -	
4	RT Asset Energy Amount	555.19	\$ 717,962.78	\$ 717,962.78	\$ -	\$ 717,962.78	\$ -	
5	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	
6	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	
7	ENERGY CHARGES TOTAL		\$ 3,735,155.09	\$ 3,828,902.65	\$ -	\$ 3,828,902.65	\$ (93,747.56)	
8	DA Mkt Admin Amount	555.01	\$ 68,491.94	\$ 68,133.61	\$ -	\$ 68,133.61	\$ 358.33	
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	\$ (472.65)	\$ (472.65)	\$ -	\$ (472.65)	\$ -	
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 11,397.33	\$ 11,110.35	\$ -	\$ 11,110.35	\$ 286.98	
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (5,805.84)	\$ (5,588.14)	\$ -	\$ (5,588.14)	\$ (217.70)	
18	FTR Mkt Admin Amount	555.13	\$ 2,907.04	\$ 2,907.04	\$ -	\$ 2,907.04	\$ -	
19	FTR Hourly Allocation Amount	555.14	\$ (162,268.45)	\$ (162,268.45)	\$ -	\$ (162,268.45)	\$ -	
20	FTR Monthly Allocation Amount	555.15	\$ (14,439.32)	\$ (14,439.32)	\$ -	\$ (14,439.32)	\$ -	
21	FTR Monthly Transaction Amount	555.35	\$ (11,997.79)	\$ (11,997.79)	\$ -	\$ (11,997.79)	\$ -	
22	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ -	
23	RT Mkt Admin Amount	555.18	\$ 7,266.33	\$ 6,310.75	\$ -	\$ 6,310.75	\$ 955.58	
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	\$ (133,086.24)	\$ (133,086.24)	\$ -	\$ (133,086.24)	\$ -	
29	RT Misc Amount	555.25	\$ 32,045.01	\$ 32,045.01	\$ -	\$ 32,045.01	\$ -	
30	RT Net Inadvertent Amount	555.27	\$ (6,495.38)	\$ (6,495.38)	\$ -	\$ (6,495.38)	\$ -	
31	RT Ramp Product	555.64	\$ (102.65)	\$ (102.65)	\$ -	\$ (102.65)	\$ -	
32	RT Revenue Neutrality Uplift Amount	555.28	\$ 45,994.51	\$ 44,835.77	\$ -	\$ 44,835.77	\$ 1,158.74	
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	\$ 14,333.38	\$ 13,972.50	\$ -	\$ 13,972.50	\$ 360.88	
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (10,851.09)	\$ -	\$ -	\$ -	\$ (10,851.09)	
35	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	
36	FTR Full Funding Guarantee Amount	555.36	\$ 7,413.31	\$ 7,413.31	\$ -	\$ 7,413.31	\$ -	
37	FTR Guarantee Uplift Amount	555.37	\$ (6,844.87)	\$ (6,844.87)	\$ -	\$ (6,844.87)	\$ -	
38	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (129,069.18)	\$ (129,069.18)	\$ -	\$ (129,069.18)	\$ -	
39	FTR Annual Transaction Amount	555.38	\$ 129,069.47	\$ 129,069.47	\$ -	\$ 129,069.47	\$ -	

Otter Tail Power Company							
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System							
April 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		
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 5,651.23	\$ 5,651.23	\$ -	\$ 5,651.23	\$ -
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (11,496.85)	\$ (11,496.85)	\$ -	\$ (11,496.85)	\$ -
42	RT Price Volatility Make Whole Payment	555.42	\$ (13,714.03)	\$ (13,368.43)	\$ -	\$ (13,368.43)	\$ (345.60)
43	DA_ASM_REG	555.43	\$ (36,324.08)	\$ (36,324.08)	\$ -	\$ (36,324.08)	\$ -
44	DA_ASM_SPIN	555.44	\$ (21,665.05)	\$ (21,665.05)	\$ -	\$ (21,665.05)	\$ -
45	DA_ASM_SUPP	555.45	\$ (2,742.43)	\$ (2,742.43)	\$ -	\$ (2,742.43)	\$ -
46	RT_ASM_REG	555.46	\$ (1,294.24)	\$ (1,294.24)	\$ -	\$ (1,294.24)	\$ -
47	RT_ASM_SPIN	555.47	\$ 4,787.87	\$ 4,787.87	\$ -	\$ 4,787.87	\$ -
48	RT_ASM_SUPP	555.48	\$ 1,123.10	\$ 1,123.10	\$ -	\$ 1,123.10	\$ -
49	RT_ASM_NRGA	555.49	\$ 1,746.08	\$ 1,746.08	\$ -	\$ 1,746.08	\$ -
50	RT_ASM_EXE_DFE_DEP	555.50	\$ 2,122.96	\$ 2,122.96	\$ -	\$ 2,122.96	\$ -
51	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -
52	RT_ASM_REG_DIST	555.52	\$ 14,023.36	\$ 14,023.36	\$ -	\$ 14,023.36	\$ -
53	RT_ASM_SPIN_DIST	555.53	\$ 16,700.35	\$ 16,700.35	\$ -	\$ 16,700.35	\$ -
54	RT_ASM_SUPP_DIST	555.54	\$ 2,604.76	\$ 2,604.76	\$ -	\$ 2,604.76	\$ -
55	RT ASM Non-Excessive Energy Amount	555.55	\$ 41,429.43	\$ 207,592.52	\$ -	\$ 207,592.52	\$ (166,163.09)
56	RT ASM Excessive Energy Amount	555.56	\$ 666.92	\$ 850.88	\$ -	\$ 850.88	\$ (183.96)
57	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -
58	RT Demand Response Allocation Uplift Amount	555.59	\$ -	\$ -	\$ -	\$ -	\$ -
59	ENERGY CHARGES TOTAL		\$ (158,895.76)	\$ 15,745.17	\$ -	\$ 15,745.17	\$ (174,640.93)
60	TOTAL MISO DAY 2 CHARGES		\$ 3,576,259.33	\$ 3,844,647.82	\$ -	\$ 3,844,647.82	\$ (268,388.49)
61	Less: MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -	\$ -
62	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 3,576,259.33	\$ 3,844,647.82	\$ -	\$ 3,844,647.82	\$ (268,388.49)

Offer 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								\$ 17,235,040.55
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)								\$ (473,822.11)
4	RT Asset Energy Amount	555.19	\$ 367,347.25	\$ (125,312.82)	\$ 293,324.26	\$ 717,962.78								\$ 1,253,321.47
5	RT Distribution of Losses Amount	555.24	\$ (227,109.25)	\$ (352,171.94)	\$ (250,836.59)	\$ (133,066.24)								\$ (963,204.02)
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,051,326.25
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								\$ 251,620.87
13	RT Mkt Admin Amount	555.18	\$ 4,324.17	\$ 4,674.95	\$ 6,305.35	\$ 6,310.75								\$ 21,615.22
14	FTR Mkt Admin Amount	555.13	\$ 2,038.00	\$ 1,084.80	\$ 1,874.40	\$ 2,907.04								\$ 7,904.24
15	TOTAL		\$ 57,203.30	\$ 64,398.12	\$ 82,187.51	\$ 77,351.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 281,140.33
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)								\$ (1,200,636.42)
19	FTR Monthly Allocation Amount	555.15	\$ (10,414.07)	\$ (17,836.05)	\$ (29,372.64)	\$ (14,439.32)								\$ (72,062.08)
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)								\$ (16,314.46)
22	FTR Full Funding Guarantee Amount	555.36	\$ 21,847.02	\$ (20,867.77)	\$ 3,823.61	\$ 7,413.31								\$ 12,216.17
23	FTR Guarantee Uplift Amount	555.37	\$ (20,444.89)	\$ 24,028.72	\$ (3,826.11)	\$ (6,844.87)								\$ (7,087.15)
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (120,228.93)	\$ (120,228.93)	\$ (129,069.18)	\$ (129,069.18)								\$ (498,596.22)
25	FTR Annual Transaction Amount	555.38	\$ 120,228.57	\$ 120,228.57	\$ 129,069.47	\$ 129,069.47								\$ 498,596.08
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 4,347.98	\$ 4,346.94	\$ 5,651.23	\$ 5,651.23								\$ 19,997.38
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (29,943.64)	\$ (29,396.54)	\$ (11,496.83)	\$ (11,496.85)								\$ (81,333.86)
28	TOTAL		\$ (335,877.21)	\$ (514,140.13)	\$ (326,933.41)	\$ (193,982.45)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,370,933.20)
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								\$ 47,437.83
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (732.33)	\$ (82.84)	\$ (0.01)	\$ (5,588.14)								\$ (6,403.32)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	\$ 19,063.53	\$ 73,968.64	\$ 47,167.91	\$ 13,972.50								\$ 154,172.58
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)								\$ (37,050.91)
34	TOTAL		\$ 18,321.04	\$ 80,654.10	\$ 53,054.76	\$ 6,126.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 158,156.18
Revenue Neutrality Uplift														
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 9,389.57	\$ 204,415.96	\$ 58,556.73	\$ 44,835.77								\$ 317,198.03
36	TOTAL		\$ 9,389.57	\$ 204,415.96	\$ 58,556.73	\$ 44,835.77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 317,198.03
Other Charges														
37	RT Misc Amount	555.25	\$ 25,643.70	\$ 19,866.13	\$ 27,140.30	\$ 32,045.01								\$ 104,695.14
38	RT Net Inadvertent Amount	555.27	\$ (3,760.74)	\$ (13,832.29)	\$ 3,854.59	\$ (6,495.38)								\$ (20,233.82)
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)								\$ (1,373.66)
42	RT Ramp Product Amount	555.64	\$ (212.78)	\$ (24.24)	\$ 33.64	\$ (102.65)								\$ (306.03)
43	TOTAL		\$ 21,288.44	\$ 5,717.56	\$ 30,801.32	\$ 24,974.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,781.65
ASM Charges														
44	DA_ASM_REG	555.43	\$ (44,978.34)	\$ (25,638.63)	\$ (30,721.39)	\$ (36,324.08)								\$ (137,662.44)
45	DA_ASM_SPIN	555.44	\$ (15,787.46)	\$ (16,958.37)	\$ (16,254.01)	\$ (21,605.05)								\$ (69,774.89)
46	DA_ASM_SUPP	555.45	\$ (2,095.48)	\$ (5,674.50)	\$ (6,112.62)	\$ (2,742.43)								\$ (16,625.03)
47	RT_ASM_REG	555.46	\$ 4,514.54	\$ (3,691.21)	\$ (6,597.58)	\$ (1,294.24)								\$ (7,068.49)
48	RT_ASM_SPIN	555.47	\$ 1,743.66	\$ 1,662.43	\$ 1,544.05	\$ 4,787.87								\$ 9,738.01
49	RT_ASM_SUPP	555.48	\$ 1,195.80	\$ 4,463.51	\$ 530.75	\$ 1,123.10								\$ 7,313.16
50	RT_ASM_NRGA	555.49	\$ 2,689.65	\$ 571.24	\$ 1,163.33	\$ 1,746.08								\$ 6,170.30
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 1,899.17	\$ 3,312.19	\$ 4,519.54	\$ 2,122.96								\$ 11,853.86
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								\$ 61,355.62
54	RT_ASM_SPIN_DIST	555.53	\$ 14,325.82	\$ 16,699.61	\$ 16,145.60	\$ 16,700.35								\$ 63,871.38
55	RT_ASM_SUPP_DIST	555.54	\$ 2,089.29	\$ 5,115.12	\$ 4,977.59	\$ 2,604.76								\$ 14,786.76
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 789,104.32	\$ 654,402.70	\$ 645,686.92	\$ 207,592.52								\$ 2,296,786.46
57	RT ASM Excessive Energy Amount	555.56	\$ (313.14)	\$ (276.69)	\$ (191.86)	\$ 850.88								\$ 69.19
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -								\$ -
59	TOTAL		\$ 770,453.84	\$ 650,034.52	\$ 630,799.45	\$ 189,526.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,240,813.89
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,760,483.13
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,760,483.13

Otter Tail Power Company Monthly MISO Day 2 Charges for ND Non-Energy Adjustment Rider - System January - December 2019 Includes Any Adjustments															
No.	Charge Type Description	Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
1	DA Asset Energy Amount	555.02	\$ (13,580.65)	\$ (4,999.38)	\$ (153,937.17)	\$ (93,747.56)									\$ (266,264.76)
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		\$ (13,580.65)	\$ (4,999.38)	\$ (153,937.17)	\$ (93,747.56)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (266,264.76)
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	\$ 40.77	\$ 10.16	\$ 462.41	\$ 358.33									\$ 871.67
13	RT Mkt Admin Amount	555.18	\$ 752.85	\$ 712.98	\$ 1,104.52	\$ 955.58									\$ 3,525.93
14	FTR Mkt Admin Amount	555.13	\$ -	\$ -	\$ -	\$ -									\$ -
15	TOTAL		\$ 793.62	\$ 723.14	\$ 1,566.93	\$ 1,313.91	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,397.60
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	\$ 241.89	\$ 293.11	\$ 355.13	\$ 286.98									\$ 1,177.11
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (6.82)	\$ -	\$ -	\$ (217.70)									\$ (224.52)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 517.75	\$ 1,521.58	\$ 1,272.56	\$ 360.88									\$ 3,672.77
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (12,638.10)	\$ (250,339.31)	\$ (15,601.28)	\$ (10,851.09)									\$ (289,429.76)
33	RT Price Volatility Make Whole Payment	555.42	\$ (242.30)	\$ (153.99)	\$ (156.42)	\$ (345.60)									\$ (638.31)
34	TOTAL		\$ (12,127.58)	\$ (248,678.61)	\$ (14,170.01)	\$ (10,766.53)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (285,742.73)
Revenue Neutrality Uplift															
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 255.24	\$ 4,205.45	\$ 1,579.96	\$ 1,158.74									\$ 7,199.39
36	TOTAL		\$ 255.24	\$ 4,205.45	\$ 1,579.96	\$ 1,158.74	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,199.39
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		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ (268,917.64)	\$ (482,170.42)	\$ (267,264.49)	\$ (166,163.09)									\$ (1,184,515.64)
57	RT ASM Excessive Energy Amount	555.56	\$ (298.58)	\$ (327.55)	\$ (86.07)	\$ (183.96)									\$ (896.16)
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -									\$ -
59	TOTAL		\$ (269,216.22)	\$ (482,497.97)	\$ (267,350.56)	\$ (166,347.05)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,185,411.80)
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 - Non-Energy Adjustment Rider		\$ (293,875.59)	\$ (731,247.37)	\$ (864,621.70)	\$ (536,776.98)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,725,822.30)
68	TOTAL FOR ND NON-ENERGY ADJUSTMENT RIDER		\$ (293,875.59)	\$ (731,247.37)	\$ (864,621.70)	\$ (536,776.98)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,426,521.64)

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System April 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	\$ 13,719.01	\$ (145.88)	\$ 450.23	\$ 14,023.36	\$ -	\$ 14,023.36	-	-
54 RT_ASM_SPIN_DIST	555.53	\$ 16,364.53	\$ (72.83)	\$ 408.65	\$ 16,700.35	\$ -	\$ 16,700.35	-	-
55 RT_ASM_SUPP_DIST	555.54	\$ 2,500.02	\$ (9.97)	\$ 114.71	\$ 2,604.76	\$ -	\$ 2,604.76	-	-
56 RT ASM Non-Excessive Energy Amount	555.55	\$ 561,730.67	\$ (353,828.83)	\$ (309.32)	\$ 207,592.52	\$ (166,163.09)	\$ 41,429.43	28,744	(6,497)
57 RT ASM Excessive Energy Amount	555.56	\$ 852.72	\$ -	\$ (1.84)	\$ 850.88	\$ (183.96)	\$ 666.92	-	(245)
58 RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
59 TOTAL		\$ 626,947.39	\$ (438,087.76)	\$ 666.45	\$ 189,526.08	\$ (166,347.05)	\$ 23,179.03	28,744	(20,847)
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		\$ 11,624,364.80	\$ (8,247,195.33)	\$ 467,478.35	\$ 3,844,647.82	\$ (268,388.49)	\$ 3,576,259.33	469,561	(344,134)
68 Less: MISO RSG Bad Debt				\$ -	\$ -				
69 TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 11,624,364.80	\$ (8,247,195.33)	\$ 467,478.35	\$ 3,844,647.82				
70 Net MISO Charges for Retail = (B) + (C) + (D)			\$ 3,844,647.82						
71 Net KWH for retail = ((G) + (H)) * 1,000								125,427,544	
72 April covers time period of 3/22/2019 -- 4/22/2019 ** increased for losses of 2.8%									
		Net Retail	Net MISO KWH						
73 MISO Book Totals		\$ 3,377,169.47	125,427,544						
74 MISO RSG Bad Debt		\$ -							
75 April Adjustments		\$ 467,478.35	15,676,966						
76 Total MISO		\$ 3,844,647.82	141,104,511						

Otter Tail Power Company
Plant Conditions for April 2019

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	126,927	85.7	85.6	4.22	Scheduled	Planned Outage	3.26	Under
Coyote	(15)	0.0	0.0	30.00	Scheduled	8 Week Major Outage	0.00	
Hoot Lake Unit 2	20,915	93.8	80.3	1.87	Forced	Turbine Bearing #3 Vibration	13.42	Under
Hoot Lake Unit 3	23,058	95.2	95.2	1.32	Forced	Overfire Air Port Repair	13.42	Under

Note:

Due to the infrequent and sometimes minimal operation of the Hoot Lake Units, the budget fuel price will be calculated annually with the total coal fuel costs for both units divided by the total coal tons for both units. The result will be a constant monthly budget \$/ton compared to the actual coal burned \$/ton that is calculated monthly. Both Hoot Lake Unit's Fuel Prices % and Actual vs Budget will therefore be the same.

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System April 2019 includes any adjustments						
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail
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	\$ 690.52	\$ -	\$ 1.35	30
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	-
5	TOTAL		\$ 690.52	\$ -	\$ 1.35	30
RSG & Make Whole Payments						
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 42.00	\$ -	\$ 0.35	42.35
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	-
9	TOTAL		\$ 42.00	\$ -	\$ 0.35	42.35
Revenue Neutrality Uplift						
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 7.76	\$ -	\$ (5.00)	2.76
11	TOTAL		\$ 7.76	\$ -	\$ (5.00)	2.76
Other Charges						
12	DA Regulation-Down Distribution Amount	555.04	\$ 1.75	\$ -	\$ (0.04)	1.71
13	DA Regulation-Up Distribution Amount	555.05	\$ 2.34	\$ -	\$ (0.18)	2.16
14	DA Spinning Reserve Distribution Amount	555.06	\$ 5.44	\$ -	\$ 0.02	5.46
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.27	\$ -	\$ 0.02	0.29
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (8,940.01)	\$ 61.24	(8,878.77)
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	\$ 25,741.71	\$ (67,575.43)	\$ 51.81	(41,781.91)
24	RT Pseudo Tie Loss Amount	555.21	\$ 1,832.50	\$ (19,013.02)	\$ (0.08)	(17,180.60)
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (1.43)	(1.43)
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	-
27	TOTAL		\$ 27,584.01	\$ (95,528.46)	\$ 111.36	(67,833.09)
Grandfathered Charge Types						
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.92	\$ (0.07)	\$ (0.10)	0.75
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	-
31	TOTAL		\$ 0.92	\$ (0.07)	\$ (0.10)	0.75
32	TOTAL SPP CHARGES		\$ 28,325.21	\$ (95,528.53)	\$ 107.96	(67,095.36) 30
33	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (67,095.36)		
34	Net KWH for retail = ((F) + (G)) * 1,000					30,400
35	April 2019 covers time period of 3/22/2019 - 04/22/2019				** (F) and (G) increased for losses of 2.8%	
36	SPP Book Totals		\$ (67,203.32)	30,400		
37	Adjustments		\$ 107.96	-		
38	Total SPP		\$ (67,095.36)	30,400		

