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February 22, 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 January 2019.

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Allowance Adjustment Rider portion of the Environmental Cost Recovery Rider (Electric Rate Schedule Section 13.08) is no longer in effect.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

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

- 1) Calculation of the March 2019 Energy Adjustment Rider based on the four-month period ending January 2019.

Included in this month's filing are three calculations, two of which are informational in nature to show what the Energy Adjustment Rider and the Reagent and Emissions Allowance Adjustment Rider amounts would have been prior to merging all recovery into the EAR:

- a. The Energy Adjustment Rider Calculation reflective of all changes noted above and the actual rates to be implemented effective March 2019.
 - b. For Informational purposes: the Energy Adjustment Rider including the addition of Coyote Station pebble lime.
 - c. For Informational purposes: the Reagent and Emission Allowance Adjustment Rider
- 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 January 2019 marked as Attachment E.

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- 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 MARCH 1, 2019

Line	ENERGY COSTS & CREDITS	(A)	(B)	(C)	(D)	(E)
		2018 October	2018 November	2018 December	2019 January	Total This Period
1	Purchased Power	\$1,168,047	\$1,533,062	\$1,449,640	\$2,056,455	\$6,207,204
2	Wind Curtailment	\$80,194	(\$46,591)	\$208	(\$1,064)	\$32,747
3	Steam Plant Generation	\$3,460,443	\$4,799,485	\$6,152,126	\$5,928,483	\$20,340,537
4	Other Plant Generation	\$349,663	\$206,806	\$124,324	\$527,221	\$1,208,014
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Steam Plant Reagents	\$28,441	\$128,563	\$224,957	\$246,762	\$628,723
7	Coyote Lime	\$99,814	\$61,589	\$78,592	\$78,947	\$318,942
8	Emission Allowance Purchase	\$1,435	\$673	\$1,508	\$1,139	\$4,756
9	Less: Intersystem Sales	(\$363,675)	(\$267,611)	(\$327,495)	(\$286,626)	(\$1,245,407)
10	Net Retail MISO Day 2	\$5,446,094	\$7,552,635	\$3,992,561	\$4,506,856	\$21,498,145
11	Net Retail SPP	\$69,310	(\$58,843)	(\$140,595)	(\$22,061)	(\$152,190)
12	NET ENERGY COSTS	\$10,339,766	\$13,909,768	\$11,555,826	\$13,036,112	\$48,841,472

Line	ASSET-BASED MARGINS	2018	2019	2019	2019	Total
		December	January	February	March	This Period
13	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
14	True-up of prior months margin forecast	(\$83,201)	(\$115,416)	(\$69,536)	(\$6,032)	(\$274,185)
15	Total Margin Credit	(\$83,201)	(\$115,416)	(\$69,536)	(\$6,032)	(\$274,185)

16a	Prior (over) under recovery (line 28)					\$3,903,178
16b	Prior (over) under recovery Reagents Costs and Credits Balance (line 34)					(\$9,518)
17	Adjusted Net Energy Costs (lines 12 + 15 + 16a + 16b)					<u>\$52,460,947</u>

Line	ENERGY -- KWH	2018	2018	2018	2019	Total
		October	November	December	January	This Period
18	Retail Sales - kWhs	351,799,001	413,796,707	426,917,113	533,928,769	1,726,441,590
19	System Delivered Cost per kWh					\$0.03039

20	Service Category	E2-E8760 Alloc. Ratio	Class Energy Adjustment Factor (EAF)
20a	Residential	1.0250	\$ 0.03115
20b	Farms	0.9690	\$ 0.02945
20c	General Service	1.0160	\$ 0.03088
20d	Large General Service	0.9670	\$ 0.02939
20e	Irrigation Services	0.9370	\$ 0.02848
20f	Outdoor Lighting	0.7840	\$ 0.02383
20g	OPA	1.0110	\$ 0.03072
20h	Controlled Service Water Heating	1.0350	\$ 0.03145
20i	Controlled Service Interruptible	1.0370	\$ 0.03151
20j	Controlled Service Deferred	0.9630	\$ 0.02927

TRUE UP FOR JANUARY

21	Retail Sales (kWhs) (Col D, Line 18)	533,928,769
22	Net Energy Costs for the System -- Most recent month (Col D, Lines 1-5, 9-11, Col B Line 15)	\$12,593,848
23	Base Cost Recovered (Line 21 x Base COE of .024327)	\$12,988,885
24	Net to be Recovered from COE (Line 22 minus Line 23)	(\$395,037)
25	COE Recovery Rate Effective for January	\$0.00536
26	Amount Recovered by COE (Line 25 x Line 21)	\$2,861,858
27	(Over) / Under Recovery (Line 24 minus Line 26)	(\$3,256,895)
28	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under) (Line 27 + Line 27 prior mo.)	\$3,903,178
29	Net Reagents Cost for the System - Most recent month (Col D, Line 6 + Line 8)	\$247,901
30	Reagents Effective for January	\$0.00013
31	Reagent Recovered (Line 21 x Line 30)	\$69,411
32	(Over) / Under Recovery (Line 29 minus Line 31)	\$178,491
33	Cumulative (Over) / Under Recovery effective February 1, 2019	(\$188,009)
34	Cumulative (Over) / Under Recovery (prior monthly cumulative (over)/under) (Line 32 + Line 33)	(\$9,518)

FOR INFORMATIONAL PURPOSES

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 ENERGY ADJUSTMENT RIDER
FOR BILLING TO BE EFFECTIVE MARCH 1, 2019

	(A) 2018	(B) 2018	(C) 2018	(D) 2019	(E) Total	
ENERGY COSTS & CREDITS						
<u>Line</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>This Period</u>	
1	Purchased Power	\$1,237,357	\$1,474,218	\$1,309,045	\$2,034,394	\$6,055,014
2	Wind Curtailment	\$80,194	(\$46,591)	\$208	(\$1,064)	\$32,747
3	Steam Plant Generation	\$3,460,443	\$4,799,485	\$6,152,126	\$5,928,483	\$20,340,537
4	Other Plant Generation	\$349,663	\$206,806	\$124,324	\$527,221	\$1,208,014
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Steam Plant Reagents	\$0	\$0	\$0	\$0	\$0
7	Coyote Lime	\$99,814	\$61,589	\$78,592	\$78,947	\$318,942
8	Emission Allowance Purchase	\$0	\$0	\$0	\$0	\$0
9	Less: Intersystem Sales	(\$363,675)	(\$267,611)	(\$327,495)	(\$286,626)	(\$1,245,407)
10	Net Retail MISO Day 2	\$5,446,094	\$7,552,635	\$3,992,561	\$4,506,856	\$21,498,145
11	NET ENERGY COSTS	\$10,309,890	\$13,780,531	\$11,329,360	\$12,788,211	\$48,207,992
ASSET-BASED MARGINS						
	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>Total</u>	
12	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
13	True-up of prior months margin forecast	(\$83,201)	(\$115,416)	(\$69,536)	(\$6,032)	(\$274,185)
14	Total Margin Credit	(\$83,201)	(\$115,416)	(\$69,536)	(\$6,032)	(\$274,185)
15	Prior (over) under recovery (line 26)					\$3,903,178
16	Adjusted Net Energy Costs (line 11 + line 14 + line 15)					\$51,836,986
ENERGY -- KWH						
	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>Total</u>	
17	Retail Sales - kWhs	351,799,001	413,796,707	426,917,113	533,928,769	1,726,441,590
18	Delivered Cost per kWh					\$0.03003
TRUE UP FOR JANUARY						
19	Retail Sales (kWhs) (line 17, col D)					533,928,769
20	Net Energy Costs for the System -- Most recent month					\$12,593,848
21	Base Cost Recovered					\$12,988,885
22	Net to be Recovered from COE (line 20 - line 21)					(\$395,037)
23	COE Recovery Rate Effective for January					\$0.00536
24	Amount Recovered by COE (line 23 x line 19)					\$2,861,858
25	(Over) / Under Recovery (line 22 - line 24)					(\$3,256,895)
26	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					\$3,903,178

FOR INFORMATIONAL PURPOSES

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 PLANT REAGENT/EMISSIONS CALCULATION
FOR BILLING TO BE EFFECTIVE MARCH 1, 2019

	(A) 2018 October	(B) 2018 November	(C) 2018 December	(D) 2019 January	(E) Total This Period	
<u>REAGENTS COSTS & CREDITS</u>						
<u>Line</u>						
1	Big Stone	\$0	\$90,976	\$196,805	\$211,575	\$499,356
2	Coyote	\$9,113	\$10,825	\$12,425	\$12,692	\$45,056
3	Hoot Lake	\$19,328	\$26,762	\$15,727	\$22,495	\$84,312
4	Hoot Lake Emissions Allowances	\$1,435	\$673	\$1,508	\$1,139	\$4,756
5	NET REAGENTS COSTS	\$29,876	\$129,236	\$226,465	\$247,901	\$633,479
6	Prior (over) under recovery (line 15)					<u>(\$9,518)</u>
7	Adjusted Net Reagents Costs (line 5 + line 6)					<u>\$623,961</u>

	2018 October	2018 November	2018 December	2019 January	Total This Period	
<u>ENERGY -- KWH</u>						
8	Retail Sales - kWhs	351,799,001	413,796,707	426,917,113	533,928,769	1,726,441,590
9	Reagent Cost Adjustment -- Per kWh					\$0.00036

TRUE UP FOR JANUARY

10	Retail Sales (kWhs) (line 8, col D)					533,928,769
11	Net Reagent Costs for the System -- Most recent month					\$247,901
12	Reagent Cost Adjustment Effective for January					\$0.00013
13	Amount Recovered by Reagent (line 10 x line 12)					\$69,411
14	(Over) / Under Recovery (line 11 - line 13)					\$178,491
15	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					<u>(\$9,518)</u>

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
January 2019 includes any adjustments								
No.	Charge Type Description	(A) Acct	(B) Total	(C) Energy Adjustment Rider		(D) Other	(E) Total	(F) Non-Energy Adj. Rider
				Retail				
1	DA Asset Energy Amount	555.02	\$ 3,925,714.46	\$ 3,939,295.11	\$ -	\$ -	\$ 3,939,295.11	\$ (13,580.65)
2	DA Non-asset Energy Amount	555.09	\$ (113,446.83)	\$ (113,446.83)	\$ -	\$ -	\$ (113,446.83)	\$ -
3	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19	\$ 367,347.25	\$ 367,347.25	\$ -	\$ -	\$ 367,347.25	\$ -
5	RT Non-Asset Energy Amount	555.26	\$ (9.64)	\$ (9.64)	\$ -	\$ -	\$ (9.64)	\$ -
6	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	ENERGY CHARGES TOTAL		\$ 4,179,605.24	\$ 4,193,185.89	\$ -	\$ -	\$ 4,193,185.89	\$ (13,580.65)
8	DA Mkt Admin Amount	555.01	\$ 50,881.90	\$ 50,841.13	\$ -	\$ -	\$ 50,841.13	\$ 40.77
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	\$ (381.76)	\$ (381.76)	\$ -	\$ -	\$ (381.76)	\$ -
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 9,149.34	\$ 8,907.45	\$ -	\$ -	\$ 8,907.45	\$ 241.89
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (739.15)	\$ (732.33)	\$ -	\$ -	\$ (732.33)	\$ (6.82)
18	FTR Mkt Admin Amount	555.13	\$ 2,038.00	\$ 2,038.00	\$ -	\$ -	\$ 2,038.00	\$ -
19	FTR Hourly Allocation Amount	555.14	\$ (276,556.29)	\$ (276,556.29)	\$ -	\$ -	\$ (276,556.29)	\$ -
20	FTR Monthly Allocation Amount	555.15	\$ (10,414.07)	\$ (10,414.07)	\$ -	\$ -	\$ (10,414.07)	\$ -
21	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	FTR Yearly Allocation Amount	555.17	\$ (25,712.96)	\$ (25,712.96)	\$ -	\$ -	\$ (25,712.96)	\$ -
23	RT Mkt Admin Amount	555.18	\$ 5,077.02	\$ 4,324.17	\$ -	\$ -	\$ 4,324.17	\$ 752.85
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	\$ (227,109.25)	\$ (227,109.25)	\$ -	\$ -	\$ (227,109.25)	\$ -
29	RT Misc Amount	555.25	\$ 25,643.70	\$ 25,643.70	\$ -	\$ -	\$ 25,643.70	\$ -
30	RT Net Inadvertent Amount	555.27	\$ (3,760.74)	\$ (3,760.74)	\$ -	\$ -	\$ (3,760.74)	\$ -
31	RT Ramp Product	555.64	\$ (212.78)	\$ (212.78)	\$ -	\$ -	\$ (212.78)	\$ -
32	RT Revenue Neutrality Uplift Amount	555.28	\$ 9,644.81	\$ 9,389.57	\$ -	\$ -	\$ 9,389.57	\$ 255.24
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	\$ 19,581.28	\$ 19,063.53	\$ -	\$ -	\$ 19,063.53	\$ 517.75
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ (12,638.10)	\$ -	\$ -	\$ -	\$ -	\$ (12,638.10)
35	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	FTR Full Funding Guarantee Amount	555.36	\$ 21,847.02	\$ 21,847.02	\$ -	\$ -	\$ 21,847.02	\$ -
37	FTR Guarantee Uplift Amount	555.37	\$ (20,444.89)	\$ (20,444.89)	\$ -	\$ -	\$ (20,444.89)	\$ -
38	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (120,228.93)	\$ (120,228.93)	\$ -	\$ -	\$ (120,228.93)	\$ -
39	FTR Annual Transaction Amount	555.38	\$ 120,228.57	\$ 120,228.57	\$ -	\$ -	\$ 120,228.57	\$ -

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
January 2019 includes any adjustments								
No.	Charge Type Description	(A)	(B)	(C)		(D)	(E)	(F)
		Acct	Total	Retail	Other	Total	Non-Energy Adj. Rider	
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 4,347.98	\$ 4,347.98	\$ -	\$ 4,347.98	\$ -	
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (28,943.64)	\$ (28,943.64)	\$ -	\$ (28,943.64)	\$ -	
42	RT Price Volatility Make Whole Payment	555.42	\$ (9,159.91)	\$ (8,917.61)	\$ -	\$ (8,917.61)	\$ (242.30)	
43	DA_ASM_REG	555.43	\$ (44,978.34)	\$ (44,978.34)	\$ -	\$ (44,978.34)	\$ -	
44	DA_ASM_SPIN	555.44	\$ (15,797.46)	\$ (15,797.46)	\$ -	\$ (15,797.46)	\$ -	
45	DA_ASM_SUPP	555.45	\$ (2,095.48)	\$ (2,095.48)	\$ -	\$ (2,095.48)	\$ -	
46	RT_ASM_REG	555.46	\$ 4,514.54	\$ 4,514.54	\$ -	\$ 4,514.54	\$ -	
47	RT_ASM_SPIN	555.47	\$ 1,743.66	\$ 1,743.66	\$ -	\$ 1,743.66	\$ -	
48	RT_ASM_SUPP	555.48	\$ 1,195.80	\$ 1,195.80	\$ -	\$ 1,195.80	\$ -	
49	RT_ASM_NRGA	555.49	\$ 2,689.65	\$ 2,689.65	\$ -	\$ 2,689.65	\$ -	
50	RT_ASM_EXE_DFE_DEP	555.50	\$ 1,899.17	\$ 1,899.17	\$ -	\$ 1,899.17	\$ -	
51	RT_ASM_CRDFC	555.51	\$ -	\$ -	\$ -	\$ -	\$ -	
52	RT_ASM_REG_DIST	555.52	\$ 16,076.01	\$ 16,076.01	\$ -	\$ 16,076.01	\$ -	
53	RT_ASM_SPIN_DIST	555.53	\$ 14,325.82	\$ 14,325.82	\$ -	\$ 14,325.82	\$ -	
54	RT_ASM_SUPP_DIST	555.54	\$ 2,089.29	\$ 2,089.29	\$ -	\$ 2,089.29	\$ -	
55	RT ASM Non-Excessive Energy Amount	555.55	\$ 520,186.68	\$ 789,104.32	\$ -	\$ 789,104.32	\$ (268,917.64)	
56	RT ASM Excessive Energy Amount	555.56	\$ (611.72)	\$ (313.14)	\$ -	\$ (313.14)	\$ (298.58)	
57	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	
58	RT Demand Response Allocation Uplift Amount	555.59	\$ 0.02	\$ 0.02	\$ -	\$ 0.02	\$ -	
59	ENERGY CHARGES TOTAL		\$ 33,374.79	\$ 313,669.73	\$ -	\$ 313,669.73	\$ (280,294.94)	
60	TOTAL MISO DAY 2 CHARGES		\$ 4,212,980.03	\$ 4,506,855.62	\$ -	\$ 4,506,855.62	\$ (293,875.59)	
61	Less: MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -	\$ -	
62	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 4,212,980.03	\$ 4,506,855.62	\$ -	\$ 4,506,855.62	\$ (293,875.59)	

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
No. Day Ahead & Real Time Asset & Non Asset Energy & Loss															
1	DA Asset Energy Amount	555.02	\$ 3,939,295.11												\$ 3,939,295.11
2	DA FBT Loss Amount	555.04	\$ -												\$ -
3	DA Non-asset Energy Amount	555.09	\$ (113,446.83)												\$ (113,446.83)
4	RT Asset Energy Amount	555.19	\$ 367,347.25												\$ 367,347.25
5	RT Distribution of Losses Amount	555.24	\$ (227,109.25)												\$ (227,109.25)
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,966,076.64
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												\$ 50,841.13
13	RT Mkt Admin Amount	555.18	\$ 4,324.17												\$ 4,324.17
14	FTR Mkt Admin Amount	555.13	\$ 2,038.00												\$ 2,038.00
15	TOTAL		\$ 57,203.30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,203.30
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)												\$ (276,556.29)
19	FTR Monthly Allocation Amount	555.15	\$ (10,414.07)												\$ (10,414.07)
20	FTR Yearly Allocation Amount	555.17	\$ (25,712.96)												\$ (25,712.96)
21	FTR Monthly Transaction Amount	555.35	\$ -												\$ -
22	FTR Full Funding Guarantee Amount	555.36	\$ 21,847.02												\$ 21,847.02
23	FTR Guarantee Uplift Amount	555.37	\$ (20,444.89)												\$ (20,444.89)
24	FTR Auction Revenue Rights Transaction Amount	555.39	\$ (120,228.93)												\$ (120,228.93)
25	FTR Annual Transaction Amount	555.38	\$ 120,228.57												\$ 120,228.57
26	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 4,347.98												\$ 4,347.98
27	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ (28,943.64)												\$ (28,943.64)
28	TOTAL		\$ (335,877.21)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (335,877.21)
RSG & Make Whole Payments															
29	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 8,907.45												\$ 8,907.45
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ (732.33)												\$ (732.33)
31	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 19,063.53												\$ 19,063.53
32	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -												\$ -
33	RT Price Volatility Make Whole Payment	555.42	\$ (8,917.61)												\$ (8,917.61)
34	TOTAL		\$ 18,321.04	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,321.04
Revenue Neutrality Uplift															
35	RT Revenue Neutrality Uplift Amount	555.28	\$ 9,389.57												\$ 9,389.57
36	TOTAL		\$ 9,389.57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,389.57
Other Charges															
37	RT Misc Amount	555.25	\$ 25,643.70												\$ 25,643.70
38	RT Net Inadvertent Amount	555.27	\$ (3,760.74)												\$ (3,760.74)
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)												\$ (381.76)
42	RT Ramp Product Amount	555.64	\$ (212.78)												\$ (212.78)
43	TOTAL		\$ 21,288.44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,288.44
ASM Charges															
44	DA_ASM_REG	555.43	\$ (44,978.34)												\$ (44,978.34)
45	DA_ASM_SPIN	555.44	\$ (15,797.46)												\$ (15,797.46)
46	DA_ASM_SUPP	555.45	\$ (2,095.48)												\$ (2,095.48)
47	RT_ASM_REG	555.46	\$ 4,514.54												\$ 4,514.54
48	RT_ASM_SPIN	555.47	\$ 1,743.66												\$ 1,743.66
49	RT_ASM_SUPP	555.48	\$ 1,195.80												\$ 1,195.80
50	RT_ASM_NRGA	555.49	\$ 2,689.65												\$ 2,689.65
51	RT_ASM_EXE_DFE_DEP	555.50	\$ 1,899.17												\$ 1,899.17
52	RT_ASM_CRDFC	555.51	\$ -												\$ -
53	RT_ASM_REG_DIST	555.52	\$ 16,076.01												\$ 16,076.01
54	RT_ASM_SPIN_DIST	555.53	\$ 14,325.82												\$ 14,325.82
55	RT_ASM_SUPP_DIST	555.54	\$ 2,089.29												\$ 2,089.29
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 789,104.32												\$ 789,104.32
57	RT ASM Excessive Energy Amount	555.56	\$ (313.14)												\$ (313.14)
58	RT_ASM_MISC	555.25	\$ -												\$ -
59	TOTAL		\$ 770,453.84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 770,453.84
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,506,855.62
68															
69															
70	TOTAL FOR MN ENERGY ADJUSTMENT RIDER		\$ 4,506,855.62	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,506,855.62

Otter Tail Power Company										
Detail of MISO Day 2 Charges by Charge Group for Current Month - System										
January 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	\$ 15,660.50	\$ (193.62)	\$ 609.13	\$ 16,076.01	\$ -	\$ 16,076.01	-	-
54	RT_ASM_SPIN_DIST	555.53	\$ 13,954.95	\$ (123.27)	\$ 494.14	\$ 14,325.82	\$ -	\$ 14,325.82	-	-
55	RT_ASM_SUPP_DIST	555.54	\$ 2,045.86	\$ (22.87)	\$ 66.30	\$ 2,089.29	\$ -	\$ 2,089.29	-	-
56	RT ASM Non-Excessive Energy Amount	555.55	\$ 849,572.89	\$ (60,396.40)	\$ (72.17)	\$ 789,104.32	\$ (268,917.64)	\$ 520,186.68	36,057	(3,169)
57	RT ASM Excessive Energy Amount	555.56	\$ 4.86	\$ (318.00)	\$ -	\$ (313.14)	\$ (298.58)	\$ (611.72)	-	(125)
58	RT_ASM_MISC	555.25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-
59	TOTAL		\$ 903,464.35	\$ (134,108.61)	\$ 1,098.10	\$ 770,453.84	\$ (269,216.22)	\$ 501,237.62	36,057	(22,690)
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		\$ 14,111,032.22	\$ (9,977,339.70)	\$ 373,163.10	\$ 4,506,855.62	\$ (293,875.59)	\$ 4,212,980.03	539,027	(399,057)
68	Less: MISO RSG Bad Debt				\$ -	\$ -				
69	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 14,111,032.22	\$ (9,977,339.70)	\$ 373,163.10	\$ 4,506,855.62				
70	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 4,506,855.62						
71	Net KWH for retail = ((G) + (H)) * 1,000			139,970,183						139,970,183
72	January covers time period of 12/26/2018 -- 1/23/2019 ** increased for losses of 2.8%									
			Net Retail	Net MISO KWH						
73	MISO Book Totals		\$ 4,133,692.52	139,970,183						
74	MISO RSG Bad Debt		\$ -							
75	January Adjustments		\$ 373,163.10	10,543,107						
76	Total MISO		\$ 4,506,855.62	150,513,291						

Otter Tail Power Company
Plant Conditions for January 2019

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	144,694	100.0	99.8				2.95	Over
Coyote	101,720	100.0	92.0				18.13	Under
Hoot Lake Unit 2	20,992	86.8	80.0	1.60 2.48	Forced Forced	Tube Leak Repairs - 7 Leaks Boiler Poke Out and Leak Repairs	10.25	Under
Hoot Lake Unit 3	30,400	78.6	77.7	1.92 3.63 1.08	Forced Forced Forced	Tube Leak Repair Tube Rupture in Economizer Boiler Tube Leak Waterwall	10.25	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								
January 2019 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	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	\$ 605.25	\$ -	\$ (3.78)	\$ 601.47	20	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	TOTAL		\$ 605.25	\$ -	\$ (3.78)	\$ 601.47	20	-
RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 24.56	\$ -	\$ 1.16	\$ 25.72	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9	TOTAL		\$ 24.56	\$ -	\$ 1.16	\$ 25.72	-	-
Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 4.01	\$ -	\$ (0.16)	\$ 3.85	-	-
11	TOTAL		\$ 4.01	\$ -	\$ (0.16)	\$ 3.85	-	-
Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.92	\$ -	\$ 0.02	\$ 0.94	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 1.18	\$ -	\$ -	\$ 1.18	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 2.19	\$ -	\$ 0.03	\$ 2.22	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	\$ -	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (10,834.22)	\$ 2,495.85	\$ (8,338.37)	-	-
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	\$ 42,296.94	\$ (51,720.55)	\$ -	\$ (9,423.61)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 12,963.15	\$ (17,897.69)	\$ -	\$ (4,934.54)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (0.96)	\$ (0.96)	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27	TOTAL		\$ 55,264.38	\$ (80,452.46)	\$ 2,494.94	\$ (22,693.14)	-	-
Grandfathered Charge Types								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 1.55	\$ -	\$ (0.82)	\$ 0.73	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
31	TOTAL		\$ 1.55	\$ -	\$ (0.82)	\$ 0.73	-	-
32	TOTAL SPP CHARGES		\$ 55,899.75	\$ (80,452.46)	\$ 2,491.34	\$ (22,061.37)	20	-
33	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (22,061.37)				
34	Net KWH for retail = ((F) + (G)) * 1,000						20,320	
35	January 2019 covers time period of 12/26/2018 - 01/23/2019							** (F) and (G) increased for losses of 2.8%
36	SPP Book Totals		\$ (24,552.71)	20,320				
37	Adjustments		\$ 2,491.34	-				
38	Total SPP		\$ (22,061.37)	20,320				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group - System Year to Date 2019 includes any adjustments															
Charge Type Description		Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
5	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	\$ 601.47												\$ 601.47
4	RT Non-Asset Energy Amount	555.00	\$ -												\$ -
5	TOTAL		\$ 601.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 601.47
RSG & Make Whole Payments															
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -												\$ -
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 25.72												\$ 25.72
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -												\$ -
9	TOTAL		\$ 25.72	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25.72
Revenue Neutrality Uplift															
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 3.85												\$ 3.85
11	TOTAL		\$ 3.85	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.85
Other Charges															
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.94												\$ 0.94
13	DA Regulation-Up Distribution Amount	555.05	\$ 1.18												\$ 1.18
14	DA Spinning Reserve Distribution Amount	555.06	\$ 2.22												\$ 2.22
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -												\$ -
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -												\$ -
17	RT Over-Collected Losses Distribution Amount	555.11	\$ (8,338.37)												\$ (8,338.37)
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	\$ (9,423.61)												\$ (9,423.61)
24	RT Pseudo Tie Loss Amount	555.21	\$ (4,934.54)												\$ (4,934.54)
25	Miscellaneous Amount	555.23	\$ (0.96)												\$ (0.96)
26	ARR Closeout Yearly Amount	555.26	\$ -												\$ -
27	TOTAL		\$ (22,693.14)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (22,693.14)
Grandfathered Charge Types															
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.73												\$ 0.73
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -												\$ -
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -												\$ -
31	TOTAL		\$ 0.73	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.73
32	TOTAL SPP CHARGES - Energy Adjustment Rider		\$ (22,061.37)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (22,061.37)