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August 25, 2023

Mr. Steve Kahl
Director of Administration
North Dakota Public Service Commission
600 E. Boulevard Ave., Dept. 408
Bismarck, ND 58505-0480

Dear Mr. Kahl:

Enclosed is detail for determination of the Energy Adjustment Rider rates by Service Category based on the four months ending July 2023.

Per Commission approval in Case No. PU-17-398, the following changes to the Energy Adjustment Rider are reflected in the rates effective September 1, 2023:

1. All applicable revenues and costs allowed for recovery in the Energy Adjustment Rider are 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 are 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Allowance Adjustment Rider portion of the Environmental Cost Recovery Rider (Electric Rate Schedule Section 13.08) is no longer in effect.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 Coyote Station pebble lime reagent is no longer recovered in base rates but is recovered in the Energy Adjustment Rider. This is now included in the Steam Plant Reagents total (Line 6).

Per Commission approval in Case No. PU-21-443, the approved adjustment to exclude the impact of Hoot Lake Solar is reflected in line 7, effective January 1, 2023.

Per Commission approval in Case No. PU-23-27, inclusion of MISO Planning Resource Auction revenues and expenses in the calculation of the Monthly EAR or Fuel Clause Adjustment (FCA) rates, effective May 1, 2023.

16 PU-23-12 Filed 08/25/2023 Pages: 12
Fuel Cost Adjustment - Effective September 1, 2023
Otter Tail Power Company

Waiver Request Update

Otter Tail requested a one-time waiver in its February 24, 2023 filing, which was approved on February 28, 2023. The approved tariff provisions allowed for a reduction of the FCA charges by \$14 million of January's costs in the March 2023 rate calculation and an increase of \$3.5 million in each month from April through July. In reviewing the Energy Adjustment Tracker, it was identified the prior month cumulative over/under recovery amount did not capture the deferral adjustment that began in March. Revisions have been made to July, the final month impacted, and a summary of the adjusted rate and recovery impact is included on the September rate calculation on line 31. The cumulative adjustment for the correction is included on line 29.

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 September 2023 Energy Adjustment Rider based on the four-month period ending July 2023.
- 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 2023 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.

Please email invoice for \$50 filing fee to: [Regulatory Filing Coordinators@otpc.com](mailto:Regulatory_Filing_Coordinators@otpc.com). Otter Tail requests to pay the invoice via credit card.

Sincerely,

/s/ DOUG NEWBY
Doug Newby
Energy Recovery Analyst
Regulatory Economics

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 SEPTEMBER 1, 2023

| Line | ENERGY COSTS & CREDITS | (A) | (B) | (C) | (D) | (E) |
|------|------------------------------------|---------------|---------------|--------------|---------------|----------------------|
| | | 2023 April | 2023 May | 2023 June | 2023 July | Total This Period |
| 1 | Purchased Power | \$1,290,019 | (\$1,608,774) | \$922,238 | \$544,259 | \$1,147,742 |
| 2 | Wind Curtailment | (\$28,301) | \$67,367 | \$16,578 | (\$21,291) | \$34,353 |
| 3 | Steam Plant Generation | \$2,724,439 | \$4,086,033 | \$3,844,558 | \$4,737,046 | \$15,392,077 |
| 4 | Other Plant Generation | \$754,913 | \$1,245,727 | \$2,083,181 | \$2,632,609 | \$6,716,430 |
| 5 | Hydro Plant Generation | \$0 | \$0 | \$0 | \$0 | \$0 |
| 6 | Steam Plant Reagents | \$130,922 | \$181,664 | \$167,319 | \$235,725 | \$715,630 |
| 7 | Hoot Lake Solar Adjustment | \$15,549 | \$45,045 | \$100,222 | \$207,404 | \$368,221 |
| 8 | Emission Allowance Purchase | \$0 | \$0 | \$0 | \$0 | \$0 |
| 9 | Less: Intersystem Sales | (\$488,187) | (\$1,031,734) | (\$531,714) | (\$1,364,896) | (\$3,416,531) |
| 10 | Planning Resource Auction Revenues | (\$715,476) | (\$843,239) | (\$210,516) | (\$8,587) | (\$1,777,817) |
| 11 | Net Retail MISO Day 2 | \$1,776,049 | \$2,458,237 | \$1,340,531 | \$3,190,221 | \$8,765,038 |
| 12 | Net Retail SPP | \$90,643 | (\$21,130) | (\$229,448) | (\$2,105) | (\$162,040) |
| 13 | | | | | | |
| 14 | NET ENERGY COSTS | \$5,550,570 | \$4,579,197 | \$7,502,950 | \$10,150,385 | \$27,783,102 |

| Line | ASSET-BASED MARGINS | 2023 | 2023 | 2023 | 2023 | Total |
|------|--|------------|-------------|-------------|-------------|----------------|
| | | June | July | August | September | This Period |
| 15 | Forecast of Margins - 85% | (\$90,552) | (\$213,872) | (\$188,705) | (\$14,968) | (\$508,097) |
| 16 | True-up of prior months margin forecast | \$125,518 | (\$178,999) | (\$33,834) | (\$201,447) | (\$288,762) |
| 17 | Total Margin Credit | \$34,966 | (\$392,871) | (\$222,539) | (\$216,415) | (\$796,859) |
| 18 | Prior (over) under recovery (line 30) | | | | | (\$22,593,595) |
| 19 | Adjusted Net Energy Costs (lines 14 + 17 + 18) | | | | | \$4,392,648 |

| Line | ENERGY -- KWH | 2023 | 2023 | 2023 | 2023 | Total |
|------|-------------------------------|-------------|-------------|-------------|-------------|---------------|
| | | April | May | June | July | This Period |
| 20 | Retail Sales - kWhs | 508,152,664 | 442,834,206 | 450,001,744 | 455,886,179 | 1,856,874,793 |
| 21 | System Delivered Cost per kWh | | | | | \$0.00237 |

| 22 | Service Category | E2-E8760 Alloc. Ratio | Class Energy Adjustment Factor (EAF) | |
|-----|----------------------------------|--------------------------|--|---------|
| | | | | |
| 22a | Residential | 1.0250 | \$ | 0.00243 |
| 22b | Farms | 0.9690 | \$ | 0.00230 |
| 22c | General Service | 1.0160 | \$ | 0.00241 |
| 22d | Large General Service | 0.9670 | \$ | 0.00229 |
| 22e | Irrigation Services | 0.9370 | \$ | 0.00222 |
| 22f | Outdoor Lighting | 0.7840 | \$ | 0.00186 |
| 22g | OPA | 1.0110 | \$ | 0.00240 |
| 22h | Controlled Service Water Heating | 1.0350 | \$ | 0.00245 |
| 22i | Controlled Service Interruptible | 1.0370 | \$ | 0.00246 |
| 22j | Controlled Service Deferred | 0.9630 | \$ | 0.00228 |

TRUE UP FOR JULY

| | | |
|----|---|----------------|
| 23 | Retail Sales (kWhs) (Col D, Line 20) | 455,886,179 |
| 24 | Net Energy Costs for the System -- Most recent month (Col D Line 14, Col B Line 17) | \$9,757,514 |
| 25 | COE Recovery Rate Effective for July | \$0.00137 |
| 26 | Amount Recovered by COE (Line 25 x Line 23) | \$624,564 |
| 27 | (Over) / Under Recovery (Line 26 minus Line 24) | \$9,132,950 |
| 28 | Cumulative (Over) / Under Recovery (prior month cumulative (over)/under) (Line 27 + Line 30 prior month) | (\$23,040,364) |
| 29 | Correction (Line 31) | 446,768 |
| 30 | Revised (Over)/Under Recovery (Line 28 + Line 29) | (\$22,593,595) |

| 31 | July | Rate | | | (Over)/Under Recovery |
|----|------|-------------|-------------|----------------|--------------------------|
| | | kWh Sales | Implemented | Rate Corrected | |
| | | 455,886,179 | 0.00137 | 0.00235 | 446,768 |

| Otter Tail Power Company | | | | | | | | |
|---|---|-------------|------------------------|--------------------------------|-------------|------------------------|------------------------|---------------------------------|
| Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System | | | | | | | | |
| July 2023 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 | \$ 3,578,298.19 | \$ 4,403,208.01 | \$ - | \$ 4,403,208.01 | \$ (824,909.82) | |
| 2 | DA Non-asset Energy Amount | 555.09 | \$ (138,312.85) | \$ (138,312.85) | \$ - | \$ (138,312.85) | \$ - | |
| 3 | DA Virtual Energy Amount | 555.12 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 4 | RT Asset Energy Amount | 555.19 | \$ (71,479.67) | \$ (71,479.67) | \$ - | \$ (71,479.67) | \$ - | |
| 5 | RT Non-Asset Energy Amount | 555.26 | \$ 22.83 | \$ 22.83 | \$ - | \$ 22.83 | \$ - | |
| 6 | RT Virtual Energy Amount | 555.32 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 7 | ENERGY CHARGES TOTAL | | \$ 3,368,528.50 | \$ 4,193,438.32 | \$ - | \$ 4,193,438.32 | \$ (824,909.82) | |
| 8 | DA Mkt Admin Amount | 555.01 | \$ 63,890.16 | \$ 62,157.17 | \$ - | \$ 62,157.17 | \$ 1,732.99 | |
| 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 | \$ (3,087.90) | \$ (3,087.90) | \$ - | \$ (3,087.90) | \$ - | |
| 16 | DA Revenue Sufficiency Guarantee Distribution Amount | 555.10 | \$ 10,003.64 | \$ 9,000.17 | \$ - | \$ 9,000.17 | \$ 1,003.47 | |
| 17 | DA Revenue Sufficiency Guarantee Make Whole Pymt Amount | 555.11 | \$ (14,114.59) | \$ (9,575.16) | \$ - | \$ (9,575.16) | \$ (4,539.43) | |
| 18 | FTR Mkt Admin Amount | 555.13 | \$ 1,798.80 | \$ 1,798.80 | \$ - | \$ 1,798.80 | \$ - | |
| 19 | FTR Hourly Allocation Amount | 555.14 | \$ (1,089,196.42) | \$ (1,089,196.42) | \$ - | \$ (1,089,196.42) | \$ - | |
| 20 | FTR Monthly Allocation Amount | 555.15 | \$ (73,197.12) | \$ (73,197.12) | \$ - | \$ (73,197.12) | \$ - | |
| 21 | FTR Monthly Transaction Amount | 555.35 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 22 | FTR Yearly Allocation Amount | 555.17 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 23 | RT Mkt Admin Amount | 555.18 | \$ 11,013.44 | \$ 8,475.42 | \$ - | \$ 8,475.42 | \$ 2,538.02 | |
| 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 | \$ (226,679.59) | \$ (226,679.59) | \$ - | \$ (226,679.59) | \$ - | |
| 29 | RT Misc Amount | 555.25 | \$ 1,971.33 | \$ 1,971.33 | \$ - | \$ 1,971.33 | \$ - | |
| 30 | RT Net Inadvertent Amount | 555.27 | \$ 3,791.26 | \$ 3,791.26 | \$ - | \$ 3,791.26 | \$ - | |
| 31 | RT Ramp Product | 555.64 | \$ (3,697.12) | \$ (3,697.12) | \$ - | \$ (3,697.12) | \$ - | |
| 32 | RT Revenue Neutrality Uplift Amount | 555.28 | \$ 69,425.13 | \$ 62,460.23 | \$ - | \$ 62,460.23 | \$ 6,964.90 | |
| 33 | RT Revenue Sufficiency Guarantee First Pass Distribution Amount | 555.29 | \$ 16,318.51 | \$ 14,681.52 | \$ - | \$ 14,681.52 | \$ 1,636.99 | |
| 34 | RT Revenue Sufficiency Guarantee Make Whole Pymt Amount | 555.30 | \$ (5,029.78) | \$ - | \$ - | \$ - | \$ (5,029.78) | |
| 35 | RT Uninstructed Deviation Amount | 555.31 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 36 | FTR Full Funding Guarantee Amount | 555.36 | \$ 30,442.50 | \$ 30,442.50 | \$ - | \$ 30,442.50 | \$ - | |
| 37 | FTR Guarantee Uplift Amount | 555.37 | \$ (49,189.78) | \$ (49,189.78) | \$ - | \$ (49,189.78) | \$ - | |
| 38 | FTR Auction Revenue Rights Transaction Amount | 555.39 | \$ (3,913,257.75) | \$ (3,913,257.75) | \$ - | \$ (3,913,257.75) | \$ - | |
| 39 | FTR Annual Transaction Amount | 555.38 | \$ 3,558,394.26 | \$ 3,558,394.26 | \$ - | \$ 3,558,394.26 | \$ - | |

| Otter Tail Power Company | | | | | | | | |
|--|--|--------|--------------------------|--------------------------|-------------|--------------------------|--------------------------|-----|
| Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System | | | | | | | | |
| July 2023 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 | \$ 2,328.02 | \$ 2,328.02 | \$ - | \$ 2,328.02 | \$ - | |
| 41 | FTR Auction Revenue Rights Stage 2 Distribution Amount | 555.41 | \$ (197,429.46) | \$ (197,429.46) | \$ - | \$ (197,429.46) | \$ - | |
| 42 | RT Price Volatility Make Whole Payment | 555.42 | \$ (134,126.49) | \$ (120,670.32) | \$ - | \$ (120,670.32) | \$ (13,456.17) | |
| 43 | DA_ASM_REG | 555.43 | \$ (63,289.03) | \$ (63,289.03) | \$ - | \$ (63,289.03) | \$ - | |
| 44 | DA_ASM_SPIN | 555.44 | \$ (21,714.83) | \$ (21,714.83) | \$ - | \$ (21,714.83) | \$ - | |
| 45 | DA_ASM_STR | 555.66 | \$ (15,348.64) | \$ (15,348.64) | \$ - | \$ (15,348.64) | \$ - | |
| 46 | DA_ASM_SUPP | 555.45 | \$ (11,161.63) | \$ (11,161.63) | \$ - | \$ (11,161.63) | \$ - | |
| 47 | RT_ASM_REG | 555.46 | \$ 5,179.45 | \$ 5,179.45 | \$ - | \$ 5,179.45 | \$ - | |
| 48 | RT_ASM_SPIN | 555.47 | \$ (10,281.90) | \$ (10,281.90) | \$ - | \$ (10,281.90) | \$ - | |
| 49 | RT_ASM_STR | 555.67 | \$ (7,921.57) | \$ (7,921.57) | \$ - | \$ (7,921.57) | \$ - | |
| 50 | RT_ASM_SUPP | 555.48 | \$ 1,869.66 | \$ 1,869.66 | \$ - | \$ 1,869.66 | \$ - | |
| 51 | RT_ASM_NRGA | 555.49 | \$ 4,995.17 | \$ 4,995.17 | \$ - | \$ 4,995.17 | \$ - | |
| 52 | RT_ASM_EXE_DFE_DEP | 555.50 | \$ 3,933.66 | \$ 3,933.66 | \$ - | \$ 3,933.66 | \$ - | |
| 53 | RT_ASM_CRDFC | 555.51 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 54 | RT_ASM_REG_DIST | 555.52 | \$ 14,142.78 | \$ 14,142.78 | \$ - | \$ 14,142.78 | \$ - | |
| 55 | RT_ASM_SPIN_DIST | 555.53 | \$ 13,511.34 | \$ 13,511.34 | \$ - | \$ 13,511.34 | \$ - | |
| 56 | RT_ASM_STR_DIST | 555.68 | \$ 15,406.31 | \$ 15,406.31 | \$ - | \$ 15,406.31 | \$ - | |
| 57 | RT_ASM_SUPP_DIST | 555.54 | \$ 1,915.58 | \$ 1,915.58 | \$ - | \$ 1,915.58 | \$ - | |
| 58 | RT_ASM_STRDFC | 555.69 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 59 | RT ASM Non-Excessive Energy Amount | 555.55 | \$ (52,859.43) | \$ 966,998.40 | \$ - | \$ 966,998.40 | \$ (1,019,857.83) | |
| 60 | RT ASM Excessive Energy Amount | 555.56 | \$ 3,929.69 | \$ 4,137.57 | \$ - | \$ 4,137.57 | \$ (207.88) | |
| 61 | RT_ASM_MISC | 555.25 | \$ - | \$ - | \$ - | \$ - | \$ - | |
| 62 | RT Demand Response Allocation Uplift Amount | 555.59 | \$ 1,198.30 | \$ 1,198.30 | \$ - | \$ 1,198.30 | \$ - | |
| 63 | RT Schedule 49 Cost Distribution Amount | 555.65 | \$ 23,692.10 | \$ 23,692.10 | \$ - | \$ 23,692.10 | \$ - | |
| 64 | ENERGY CHARGES TOTAL | | \$ (2,032,431.94) | \$ (1,003,217.22) | \$ - | \$ (1,003,217.22) | \$ (1,029,214.72) | |
| 65 | TOTAL MISO DAY 2 CHARGES | | \$ 1,336,096.56 | \$ 3,190,221.10 | \$ - | \$ 3,190,221.10 | \$ (1,854,124.54) | |
| 66 | Less: MISO RSG Bad Debt | | \$ - | \$ - | | \$ - | \$ - | |
| 67 | TOTAL FOR ND COST OF ENERGY ADJUSTMENT | | \$ 1,336,096.56 | \$ 3,190,221.10 | | \$ 3,190,221.10 | \$ (1,854,124.54) | |

| Otter Tail Power Company | | | | | | | | | | |
|---|---|---------------|-------------------------|---------------------------|-----------------------|------------------------|--------------------------|----------------------------------|--------------------|------------------|
| Detail of MISO Day 2 Charges by Charge Group for Current Month - System | | | | | | | | | | |
| July 2023 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 | | |
| 52 | RT_ASM_SUPP | 555.48 | \$ 2,008.35 | \$ (138.69) | \$ - | \$ 1,869.66 | \$ - | \$ 1,869.66 | - | - |
| 53 | RT_ASM_NRGA | 555.49 | \$ 7,592.59 | \$ (2,597.42) | \$ - | \$ 4,995.17 | \$ - | \$ 4,995.17 | - | - |
| 54 | RT_ASM_EXE_DFE_DEP | 555.50 | \$ 3,922.63 | \$ (0.10) | \$ 11.13 | \$ 3,933.66 | \$ - | \$ 3,933.66 | - | - |
| 55 | RT_ASM_CRDFC | 555.51 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 56 | RT_ASM_REG_DIST | 555.52 | \$ 14,734.31 | \$ (630.21) | \$ 38.68 | \$ 14,142.78 | \$ - | \$ 14,142.78 | - | - |
| 57 | RT_ASM_SPIN_DIST | 555.53 | \$ 13,683.94 | \$ (86.62) | \$ (85.98) | \$ 13,511.34 | \$ - | \$ 13,511.34 | - | - |
| 58 | RT_ASM_STR_DIST | 555.68 | \$ 15,834.56 | \$ (24.48) | \$ (403.77) | \$ 15,406.31 | \$ - | \$ 15,406.31 | - | - |
| 59 | RT_ASM_SUPP_DIST | 555.54 | \$ 1,946.43 | \$ (1.62) | \$ (29.23) | \$ 1,915.58 | \$ - | \$ 1,915.58 | - | - |
| 60 | RT_ASM_STRDFC | 555.69 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 61 | RT ASM Non-Excessive Energy Amount | 555.55 | \$ 1,430,527.49 | \$ (479,636.25) | \$ 16,107.16 | \$ 966,998.40 | \$ (1,019,857.83) | \$ (52,859.43) | 61,713 | (15,912) |
| 62 | RT ASM Excessive Energy Amount | 555.56 | \$ 3,775.19 | \$ - | \$ 362.38 | \$ 4,137.57 | \$ (207.88) | \$ 3,929.69 | - | (211) |
| 63 | RT ASM MISC | 555.25 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 64 | TOTAL | | \$ 1,531,014.73 | \$ (644,642.78) | \$ 16,000.37 | \$ 902,372.32 | \$ (1,020,065.71) | \$ (117,693.39) | 61,713 | (44,621) |
| Grandfathered Charge Types | | | | | | | | | | |
| 65 | DA Congestion Rebate on COGA | 555.05 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 66 | DA Losses Rebate on COGA | 555.06 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 67 | DA Congestion Rebate on Option B GFA | 555.07 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 68 | DA Losses Rebate on Option B GFA | 555.08 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 69 | RT Congestion Rebate on COGA | 555.22 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 70 | RT Loss Rebate on COGA | 555.23 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 71 | TOTAL | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | - | - |
| 72 | TOTAL MISO DAY 2 CHARGES | | \$ 20,839,344.42 | \$ (17,643,233.78) | \$ (29,581.64) | \$ 3,166,529.00 | \$ (1,854,124.54) | \$ 1,312,404.46 | 513,977 | (397,680) |
| 73 | Less: MISO RSG Bad Debt | | | | \$ - | \$ - | | | | |
| 74 | TOTAL FOR ND COST OF ENERGY ADJUSTMENT | | \$ 20,839,344.42 | \$ (17,643,233.78) | \$ (29,581.64) | \$ 3,166,529.00 | | | | |
| 75 | Net MISO Charges for Retail = (B) + (C) + (D) | | | \$ 3,166,529.00 | | | | | | |
| 76 | Net KWH for retail = ((G) + (H)) * 1,000 | | | 116,297,258 | | | | | 116,297,258 | |
| 77 | July covers time period of 6/23/2023 -- 7/23/2023 ** increased for losses of 2.8% | | | | | | | | | |
| 78 | MISO Book Totals | | \$ 3,196,110.64 | 116,297,258 | | | | | | |
| 79 | MISO RSG Bad Debt | | \$ - | | | | | | | |
| 80 | July Adjustments | | \$ (5,889.54) | (2,264.726) | | | | | | |
| 81 | Total MISO | | \$ 3,190,221.10 | 114,032,531 | | | | | | |

| Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System July 2023 includes any adjustments (Revenue) Expense | | | | | | | |
|--|--|--------|-------------------|--------------------|--------------------|----------------|---|
| 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 | \$ - | \$ - | \$ - | \$ - | - |
| 4 | RT Non-Asset Energy Amount | 555.00 | \$ - | \$ - | \$ - | \$ - | - |
| 5 | TOTAL | | \$ - | \$ - | \$ - | \$ - | - |
| RSG & Make Whole Payments | | | | | | | |
| 6 | DA Make-Whole-Payment Distribution Amount | 555.02 | \$ - | \$ - | \$ - | \$ - | - |
| 7 | RT Make-Whole-Payment Distribution Amount | 555.10 | \$ - | \$ - | \$ - | \$ - | - |
| 8 | RT Revenue Sufficiency Guarantee Distribution Amount | 555.18 | \$ - | \$ - | \$ - | \$ - | - |
| 9 | TOTAL | | \$ - | \$ - | \$ - | \$ - | - |
| Revenue Neutrality Uplift | | | | | | | |
| 10 | RT Revenue Neutrality Uplift Distribution Amount | 555.15 | \$ - | \$ - | \$ - | \$ - | - |
| 11 | TOTAL | | \$ - | \$ - | \$ - | \$ - | - |
| Other Charges | | | | | | | |
| 12 | DA Regulation-Down Distribution Amount | 555.04 | \$ - | \$ - | \$ - | \$ - | - |
| 13 | DA Regulation-Up Distribution Amount | 555.05 | \$ - | \$ - | \$ - | \$ - | - |
| 14 | DA Spinning Reserve Distribution Amount | 555.06 | \$ - | \$ - | \$ - | \$ - | - |
| 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 | \$ - | \$ (11,630.57) | \$ (211.65) | \$ (11,842.22) | - |
| 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 | \$ 45,387.88 | \$ (27,787.97) | \$ - | \$ 17,599.91 | - |
| 24 | RT Pseudo Tie Loss Amount | 555.21 | \$ 4,792.25 | \$ (12,655.14) | \$ - | \$ (7,862.89) | - |
| 25 | Miscellaneous Amount | 555.23 | \$ - | \$ - | \$ - | \$ - | - |
| 26 | ARR Closeout Yearly Amount | 555.26 | \$ - | \$ - | \$ - | \$ - | - |
| 27 | RT Demand Reduction Distribution Amount | 555.28 | \$ - | \$ - | \$ - | \$ - | - |
| 28 | RT Schedule 1A3 Amount | 555.29 | \$ - | \$ - | \$ - | \$ - | - |
| 29 | RT Schedule 1A4 Amount | 555.30 | \$ - | \$ - | \$ - | \$ - | - |
| 30 | DA Ramp Up Distribution Amount | 555.31 | \$ - | \$ - | \$ - | \$ - | - |
| 31 | DA Ramp Down Distribution Amount | 555.32 | \$ - | \$ - | \$ - | \$ - | - |
| 32 | RT Ramp Non Performance Distribution Amount | 555.33 | \$ - | \$ - | \$ - | \$ - | - |
| 33 | RT Ramp Up Distribution Amount | 555.34 | \$ - | \$ - | \$ - | \$ - | - |
| 34 | RT Ramp Down Distribution Amount | 555.35 | \$ - | \$ - | \$ - | \$ - | - |
| 35 | TOTAL | | \$ 50,180.13 | \$ (52,073.68) | \$ (211.65) | \$ (2,105.20) | - |
| Grandfathered Charge Types | | | | | | | |
| 36 | DA GFA Carve Out Distribution Deployment Daily Amount | 555.01 | \$ - | \$ - | \$ - | \$ - | - |
| 37 | DA GFA Carve Out Distribution Deployment Monthly Amount | 555.22 | \$ - | \$ - | \$ - | \$ - | - |
| 38 | DA GFA Carve Out Distribution Deployment Yearly Amount | 555.27 | \$ - | \$ - | \$ - | \$ - | - |
| 39 | TOTAL | | \$ - | \$ - | \$ - | \$ - | - |
| 40 | TOTAL SPP CHARGES | | \$ 50,180.13 | \$ (52,073.68) | \$ (211.65) | \$ (2,105.20) | - |
| 41 | Net SPP Charges for Retail = (B) + (C) + (D) | | | \$ (2,105.20) | | | - |
| 42 | Net KWH for retail = ((F) + (G)) * 1,000 | | | | | | - |
| 43 | July 2023 covers time period of 06/23/2023 -- 07/23/2023 | | | | | | ** (F) and (G) increased for losses of 2.8% |
| 44 | SPP Book Totals | | Net Retail | Net SPP KWH | | | |
| 45 | Adjustments | | \$ (1,893.55) | - | | | |
| 46 | Total SPP | | \$ (2,105.20) | - | | | |

| Otter Tail Power Company | | | | | | | | | | | | | | |
|--|---|---------|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|-----------|---------|----------|----------|-----------------|
| Detail of Southwest Power Pool (SPP) Charges by Charge Group - Net Retail - System | | | | | | | | | | | | | | |
| Year to Date 2023 includes any adjustments | | | | | | | | | | | | | | |
| (Revenue) Expense | | | | | | | | | | | | | | |
| 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 | 555.19 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 2 | DA Non-asset Energy Amount | 555.03 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 3 | RT Asset Energy Amount | 555.09 | \$ 657.10 | \$ 179.54 | \$ 43.00 | \$ - | \$ 1,306.86 | \$ (19.39) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2,167.11 |
| 4 | RT Non-Asset Energy Amount | 555.00 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 5 | TOTAL | | \$ 657.10 | \$ 179.54 | \$ 43.00 | \$ - | \$ 1,306.86 | \$ (19.39) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2,167.11 |
| RSG & Make Whole Payments | | | | | | | | | | | | | | |
| 6 | DA Make-Whole-Payment Distribution Amount | 555.02 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 7 | RT Make-Whole-Payment Distribution Amount | 555.10 | \$ (3.70) | \$ 1.76 | \$ 0.15 | \$ - | \$ 19.58 | \$ (0.21) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 17.58 |
| 8 | RT Revenue Sufficiency Guarantee Distribution Amount | 555.18 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 9 | TOTAL | | \$ (3.70) | \$ 1.76 | \$ 0.15 | \$ - | \$ 19.58 | \$ (0.21) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 17.58 |
| Revenue Neutrality Uplift | | | | | | | | | | | | | | |
| 10 | RT Revenue Neutrality Uplift Distribution Amount | 555.15 | \$ 21.24 | \$ 3.91 | \$ 2.87 | \$ - | \$ 13.59 | \$ (0.32) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 41.29 |
| 11 | TOTAL | | \$ 21.24 | \$ 3.91 | \$ 2.87 | \$ - | \$ 13.59 | \$ (0.32) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 41.29 |
| Other Charges | | | | | | | | | | | | | | |
| 12 | DA Regulation-Down Distribution Amount | 555.04 | \$ 1.90 | \$ 0.34 | \$ 0.11 | \$ - | \$ 1.25 | \$ (0.03) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 3.57 |
| 13 | DA Regulation-Up Distribution Amount | 555.05 | \$ 5.76 | \$ 0.55 | \$ 0.32 | \$ - | \$ 6.86 | \$ (0.12) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 13.37 |
| 14 | DA Spinning Reserve Distribution Amount | 555.06 | \$ 4.91 | \$ 0.74 | \$ 0.26 | \$ - | \$ 9.85 | \$ (0.17) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 15.59 |
| 15 | DA Supplemental Reserve Distribution Amount | 555.07 | \$ 0.55 | \$ 0.18 | \$ 0.03 | \$ - | \$ 0.91 | \$ (0.01) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1.66 |
| 16 | RT Contingency Reserve Deployment Failure Amount | 555.08 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 17 | RT Over-Collected Losses Distribution Amount | 555.11 | \$ (15,288.21) | \$ (16,654.28) | \$ (17,668.56) | \$ (16,847.63) | \$ (10,703.50) | \$ (7,601.39) | \$ (11,842.22) | \$ - | \$ - | \$ - | \$ - | \$ (96,605.79) |
| 18 | RT Regulation-Down Distribution Amount | 555.12 | \$ (0.42) | \$ 0.12 | \$ (0.20) | \$ - | \$ 0.03 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (0.47) |
| 19 | RT Regulation Non-Performance Distribution Amount | 555.13 | \$ (0.05) | \$ (0.01) | \$ 0.04 | \$ - | \$ (0.30) | \$ 0.05 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (0.27) |
| 20 | RT Regulation-Up Distribution Amount | 555.14 | \$ (0.04) | \$ (0.13) | \$ (0.07) | \$ - | \$ 0.16 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (0.08) |
| 21 | RT Spinning Reserve Distribution Amount | 555.16 | \$ (0.02) | \$ - | \$ (0.01) | \$ - | \$ 0.25 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 0.22 |
| 22 | RT Supplemental Reserve Distribution Amount | 555.17 | \$ - | \$ - | \$ - | \$ - | \$ (0.01) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (0.01) |
| 23 | RT Pseudo Tie Congestion Amount | 555.20 | \$ 43,850.77 | \$ (80,788.31) | \$ 250,219.07 | \$ 106,176.02 | \$ (2,810.35) | \$ 53,035.48 | \$ 17,599.91 | \$ - | \$ - | \$ - | \$ - | \$ 387,282.59 |
| 24 | RT Pseudo Tie Loss Amount | 555.21 | \$ 16,420.62 | \$ (10,528.52) | \$ 14,079.73 | \$ 1,314.35 | \$ (8,973.81) | \$ 4,829.88 | \$ (7,862.89) | \$ - | \$ - | \$ - | \$ - | \$ 9,279.36 |
| 25 | Miscellaneous Amount | 555.23 | \$ (10.84) | \$ - | \$ (1.08) | \$ - | \$ 0.73 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (11.19) |
| 26 | ARR Closeout Yearly Amount | 555.26 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (279,464.26) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (279,464.26) |
| 27 | RT Demand Reduction Distribution Amount | 555.28 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 28 | RT Schedule 1A3 Amount | 555.29 | \$ 0.80 | \$ 0.32 | \$ 0.07 | \$ - | \$ 1.37 | \$ (0.01) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2.55 |
| 29 | RT Schedule 1A4 Amount | 555.30 | \$ 3.51 | \$ 1.38 | \$ 0.26 | \$ - | \$ 5.86 | \$ (0.06) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 10.95 |
| 30 | DA Ramp Up Distribution Amount | 555.31 | \$ 0.26 | \$ - | \$ - | \$ - | \$ 0.45 | \$ (0.01) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 0.70 |
| 31 | DA Ramp Down Distribution Amount | 555.32 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 32 | RT Ramp Non Performance Distribution Amount | 555.33 | \$ - | \$ - | \$ - | \$ - | \$ (0.18) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (0.18) |
| 33 | RT Ramp Up Distribution Amount | 555.34 | \$ - | \$ - | \$ - | \$ - | \$ (1.06) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (1.06) |
| 34 | RT Ramp Down Distribution Amount | 555.35 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 35 | TOTAL | | \$ 44,989.50 | \$ (107,967.62) | \$ 246,629.97 | \$ 90,642.74 | \$ (22,461.49) | \$ (229,200.65) | \$ (2,105.20) | \$ - | \$ - | \$ - | \$ - | \$ 20,527.25 |
| Grandfathered Charge Types | | | | | | | | | | | | | | |
| 36 | DA GFA Carve Out Distribution Deployment Daily Amount | 555.01 | \$ (1.41) | \$ (1.43) | \$ (0.30) | \$ - | \$ (8.16) | \$ 0.09 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (11.21) |
| 37 | DA GFA Carve Out Distribution Deployment Monthly Amount | 555.22 | \$ (0.01) | \$ (0.09) | \$ - | \$ - | \$ (0.05) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (0.15) |
| 38 | DA GFA Carve Out Distribution Deployment Yearly Amount | 555.27 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (227.34) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (227.34) |
| 39 | TOTAL | | \$ (1.42) | \$ (1.52) | \$ (0.30) | \$ - | \$ (8.21) | \$ (227.25) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ (238.70) |
| 40 | TOTAL SPP CHARGES - Energy Adjustment Rider | | \$ 45,662.72 | \$ (107,783.93) | \$ 246,675.69 | \$ 90,642.74 | \$ (21,129.67) | \$ (229,447.82) | \$ (2,105.20) | \$ - | \$ - | \$ - | \$ - | \$ 22,514.53 |