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March 1, 2024

Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101-2147

**PUBLIC DOCUMENT –
NOT PUBLIC (OR PRIVILEGED)
DATA HASE BEEN EXCISED**

**RE: In the Matter of Otter Tail Power Company's Petition for Approval
of the Annual True-Up for its Energy Adjustment Rider, Rate
Schedule 13.01
Docket No. E017/AA-22-214**

Dear Mr. Seuffert:

Otter Tail Power Company (Otter Tail) hereby submits to the Minnesota Public Utilities Commission (Commission) its 2023 True-Up of Energy Adjustment rates in response to decisions rendered by the Commission in Docket No. E999/CI-03-802 and where applicable, in compliance with annual reporting requirements pursuant to Minn. R. 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges.

Various portions and attachments to this filing contain information that Otter Tail considers trade secret. Otter Tail believes this filing comports with the Commission's Notice relating to Revised Procedures for Handling Trade Secret and Privileged Data, pursuant to Minn. R. 7829.0500. As required by the revised procedures, a statement providing the justification for excising the trade secret data follows this letter.

If you have any questions regarding this filing, please contact me at 218-739-8728 or at astalboerger@otpc.com.

Sincerely,

/s/ AMBER STALBOERGER
Amber Stalboerger
Manager, Regulatory Analysis

Enclosures
By electronic filing
c: Service List

STATEMENT REGARDING JUSTIFICATION FOR EXCISING TRADE SECRET INFORMATION

Please note that Otter Tail Power Company has marked the following portions of this filing with the caption **NOT PUBLIC DOCUMENT – NOT FOR PUBLIC DISCLOSURE**, according to Minn. Stat. § 13.37, subd. 1(b). This statute protects certain "government data," as that term is defined at Minn. Stat. § 13.02, Subd. 7, from being disclosed by an administrative agency to the public.

- Paragraphs 7.A.1. a) and b) of reporting requirements from Passing MISO Day 2 Costs Through Fuel Clause Order in Docket No. E-017/M-05-284 (Appendix A Section 3);
- Portion of reply to 22. of MN PUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings Docket Nos. E999/AA-09-961 and E999/AA-10-884 (Appendix A Section 6);
- Monthly Forecast to Actual Expense (Revenue) (Attachment 3);
- Monthly Cost Components by Fuel-Type (Attachment 7);
- MISO Module E Data (Attachment 8);
- Otter Tail's Forced Outage Information Change in Energy Costs Column (Attachment 13);
- Wind Curtailment Summary Report (Attachment 14)

The information being supplied in this filing is considered to be a "compilation" of data that (1) was supplied by Otter Tail Power Company, (2) is the subject of reasonable efforts by Otter Tail Power Company to maintain its secrecy, and (3) derives independent economic value, actual or potential, from not being generally known to or accessible to the public.

It is Otter Tail Power Company's understanding that marking the filing in this manner is consistent with the revised procedures for handling trade secret and privileged data, as announced in the joint memorandum of the Office of Energy Security and Public Utilities Commission dated August 18, 1999 and which became effective September 1, 1999.

Date prepared: March 1, 2024

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

**In the Matter of Otter Tail Power
Company's Petition for Approval of
the Annual True-Up for its Energy
Adjustment Rider, Rate Schedule
13.01**

Docket No. E017/AA-22-214

SUMMARY OF FILING

Otter Tail Power Company (Otter Tail or Company) submits this Petition to the Minnesota Public Utilities Commission (Commission) for approval of its annual true-up rate for its Energy Adjustment Rider (EAR) under Otter Tail's Rate Schedule Section 13.01 for calendar year 2023.

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

**In the Matter of Otter Tail Power
Company's Petition for Approval of
the Annual True-Up for its Energy
Adjustment Rider, Rate Schedule
13.01**

**Docket No. E017/AA-22-214
PETITION**

I. INTRODUCTION

Otter Tail Power Company (Otter Tail or the Company) submits this Petition to the Minnesota Public Utilities Commission (Commission) for approval of its true-up of Otter Tail's annual costs and collections recovered through Otter Tail's Energy Adjustment Rider (EAR) under Otter Tail's Rate Schedule Section 13.01 for the period of January 1 to December 31, 2023. Otter Tail also provides numerous annual reporting requirements in compliance with Minn. R. 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges and as required by prior Commission Orders.

II. REGULATORY BACKGROUND AND REQUEST SUMMARY

On May 1, 2022, Otter Tail filed its Initial Petition for Approval of the 2023 Annual Forecasted Rates for its Energy Adjustment Rider, Rate Schedule Section 13.01 in Docket No. E017/AA-22-214. In its December 29, 2022 Order, the Commission authorized Otter Tail to implement its updated 2023 Fuel Clause Adjustment (FCA) forecast based on forecasted sales of 5,612,089 MWh, fuel costs of \$146,968,503, and net system FCA costs of \$26.188.

On July 27, 2022, Otter Tail made a Supplemental Filing in this Docket to update its monthly rates for September through December 2022 based on a more updated forecast due to higher natural gas prices and Locational Marginal Prices (LMPs) compared to what had been incorporated initially into 2022 rates. These forecasted prices were expected to continue through 2022. Otter Tail also incorporated updated sales forecasts into the forecast to account for actual and forecasted sales increases. That forecast was based on updated projected 2022 annual sales of 5,664,867 MWh, forecasted system costs of \$139,593,199, and a net system FCA cost of \$24.642 per MWh. No party opposed Otter Tail's request, and Otter Tail implemented updated monthly rates beginning in September of 2022 through December 2022.

On March 1, 2023, Otter Tail filed its 2022 True-up filing in Docket 21-311 to request recovery of a net under-recovered balance for 2022 and prior periods of \$9,411,833. This amount included the proposed return of the 2022 Minnesota share of Planning Resource Auction (PRA) revenues Otter Tail received from the 2022/2023 planning year auction of approximately \$9.34 million. In Otter Tail's most recent general rate case, Otter Tail petitioned to recover generating plant reagent expenses for Big Stone Plant and Coyote Station as well as steam and water sales from Big Stone Plant to Poet Biorefining. These were not included in FCA forecast rates when they were developed as the request was pending. The Commission approved these requests and effective July 1, 2022, with the implementation of final rates. Otter Tail included the July through December reagent expenses and steam and water sales through the FCA. The true-up was approved by the Commission's Order dated June 30, 2023, and the Commission ordered recovery of that balance over the September 2023 to August 2024 timeframe, with an increase in the EAR by a rate of \$0.0036 per kWh.

On July 24, 2023, Otter Tail made a supplemental filing to its 2023 FCA forecast rates in Docket 22-214 to return an over-collection of \$8,457,567 that accumulated from January 2023 through June 2023. The reduction in EAR rates to begin refunding this amount was (\$0.003275) per kWh beginning September 2023 and through August 2024. This overcollection offset a significant portion of the under-collection from Docket 21-311 to be collected over the same September 2023 to August 2024 timeframe. The net of the 2022 under-collection noted above and the 2023 over-collection during the first half of 2023 was an under-collection of \$954,316. No party opposed Otter Tail's request and Otter Tail implemented updated monthly rates beginning September 2023 through August of 2024.

2023 EAR TRUE-UP REQUEST

In this filing, Otter Tail submits for approval, its proposed true-up of final FCA costs and collections for calendar year 2023, along with analysis of various factors that contributed to the variances that occurred between forecasted costs for 2023 and actual costs for 2023. Otter Tail will demonstrate that Otter Tail's FCA costs for 2023 were reasonable and prudent given market conditions that existed in 2023.

On a system-wide basis, Otter Tail's actual EAR recoverable costs for 2023 were \$120,763,238 as compared to Otter Tail's forecasted costs for 2023 of \$146,968,503. Otter Tail's actual amounts have been adjusted to include the proposed return of the 2023 portion of the MISO PRA Revenues.

Based on the ratio of Minnesota kWh sales subject to the EAR to total system kWh sales subject to the EAR, Minnesota's share of 2023 system costs were \$58,104,221. Total collections from customers in 2023 were \$71,867,995 resulting in an over-collection of

\$13,763,774 for the 2023 recovery year before incorporating refunds that began in September 2023. The net balance of over-recovery for 2023 is \$10,831,940. The net under-recovery balance from 2022, as of December 31, 2023, was \$6,189,103, resulting in a total over-recovery balance in this true-up filing for 2023 and 2022 of \$4,642,837, as of December 31, 2023.

Otter Tail continues to incorporate the rate adjustments implemented in September 2023 for the 2022 under-recovery and refund of 2023 over-recovery from the first half of 2023. Based on forecasted sales from January through August 2024, Otter Tail estimates the net over recovery balance to be \$5,201,983 as of August 31, 2024.

Otter Tail proposes to return the 2023 over-recovery balance over a twelve-month period of September 1, 2024, through August 31, 2025, as stated in Otter Tail's EAR Rate Schedule, Section 13.01, which states "[t]he annual true-up shall be based . . . and shall be applied to the subsequent twelve months."

Otter Tail also submits in this filing reports and schedules required by Minnesota Rules 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges, as well as those items required by prior Commission Orders from past Annual Automatic Adjustment (AAA) Dockets.

III. SUMMARY OF FILING

Pursuant to Minn. Rules 7829.1300, Subp. 1, a one-paragraph summary of the filing accompanies this Petition.

IV. GENERAL FILING INFORMATION

Pursuant to Minn. R. 7829.1300, Subp. 3, Otter Tail provides the following general information.

A. NAME, ADDRESS, AND TELEPHONE NUMBER OF UTILITY

(Minn. Rules 7829.1300, Subp. 3(A))

Otter Tail Power Company
215 South Cascade Street
P. O. Box 496
Fergus Falls, MN 56538-0496
(218) 739-8200

B. NAME, ADDRESS, AND TELEPHONE NUMBER OF UTILITY ATTORNEY

(Minn. Rules 7829.1300, Subp. 3(B))

Lauren Donofrio
Otter Tail Power Company
215 South Cascade Street
P. O. Box 496
Fergus Falls, MN 56538-0496
(218) 739-8774
ldonofrio@otpc.com

C. DATE OF FILING AND PROPOSED EFFECTIVE DATE OF TRUE-UP

(Minn. Rules 7829.1300, Subp. 3(C))

Consistent with the filing requirement in Minn. R. 7825.2840, the date of this filing is February 29, 2024. Otter Tail proposes to implement the True-Up rate effective September 1, 2024. The information contained in this filing is submitted in compliance with the aforementioned rules concerning Automatic Adjustment of Charges.

D. STATUTE CONTROLLING SCHEDULE FOR PROCESSING THE FILING

(Minn. Rules 7829.1300, Subp. 3(D))

No statute establishes a schedule for processing this filing. The applicable rules are Minn. R. 7825.2800 through 7825.2840.

E. TITLE OF UTILITY EMPLOYEE RESPONSIBLE FOR FILING

(Minn. Rules 7829.1300, Subp. 3(E))

Amber Stalboerger
Manager, Regulatory Analysis
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F. IMPACT ON RATES

(Minn. Rules 7829.1300, Subp. 3(F))

The True-Up rate has no effect on Otter Tail's base rates. The additional information required under this rule is included throughout the Petition.

G. SERVICE LIST

(Minn. Rules 7829.0700)

Otter Tail requests that the following persons be placed on the Commission's official service list for this matter and that any trade secret comments, requests, or information be provided to the following on behalf of Otter Tail:

Amber Stalboerger
Manager,
Regulatory Analysis
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H. SERVICE ON OTHER PARTIES

(Minn. Rules 7829.1300, Subp. 2; Minn. Rules 7829.0600)

Pursuant to Minn. Rule 7829.1300, Subp. 2, Otter Tail served a copy of this Petition on the Department and the Residential Utilities Division of the Office of the Attorney General. A summary of the filing prepared in accordance with Minn. Rule 7829.1300, Subp. 1 was served on all parties on Otter Tail's general service list.

V. DESCRIPTION OF FILING

A. FILING OVERVIEW

The primary purpose of this filing is to: (1) demonstrate that Otter Tail's fuel and purchased power costs to serve its customers for 2023 were reasonable and prudent; (2) provide the necessary support for the Commission to reach that conclusion; (3) obtain approval of Otter Tail's request to move forward in implementing its final true-up rates for 2023; and 4) obtain approval of all compliance reporting in accordance with Minnesota Rules 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges, as well as those items required by prior Commission Orders from past Annual Automatic Adjustment (AAA) Dockets.

Otter Tail's proposed true-up in this filing will be a combination of an over-collection in 2023 and a remaining under-collection from prior periods, resulting in a projected net over-collection of \$5,201,983 as of August 31, 2024.

B. KEY RESULTS AND ANALYSIS OVERVIEW

Table 1 below provides key datapoints that provide insight into Otter Tail's FCA actual results for 2023 relative to forecast. As the table indicates, the total actual average cost per MWh was \$20.75 per MWh, approximately 20.75 percent lower than forecast, and total actual system costs were \$120,763,238 for 2023, or approximately 17.83 percent under the forecast. Total system sales in 2023 were higher than forecast by approximately 3.69 percent. Otter Tail's 20.75 percent decrease in average cost per MWh was influenced by a significant decrease in LMPs and associated natural gas market prices in 2023. On-peak LMPs were 32.47 percent lower than forecast, and off-peak LMPs were 34.95 percent lower than forecast. Otter Tail's total Power Purchase Agreements (PPAs) and Market purchases were up 65.5 percent and the overall average cost of market purchases and PPAs were 22.13 percent lower than forecast.

Table 1
2023 FCA Summary
(Total System)

	Actual	Forecast	Variance	Variance %
Average Cost Per MWh	\$20.754	\$26.188	(\$5.434)	(20.75%)
MWh Sales Subject to COE	5,818,926	5,612,089	206,837	3.69%
Total Cost (Fuel & Purchased Power)	\$120,763,238	\$146,968,503	(\$26,205,265)	(17.83%)
Average On-Peak LMP Prices @ OTP.OTP	\$39.23	\$58.10	(\$18.87)	(32.47%)
Average Off-Peak LMP Prices @ OTP.OTP	\$27.75	\$42.65	(\$14.91)	(34.95%)
MWhs of PPAs and Market Purchases	2,693,048	1,627,158	1,065,890	65.50%
Total Cost of PPAs and Market Purchases	\$92,485,212	\$71,765,611	\$20,719,600	28.87%
Average Cost of PPAs and Market Purchases	\$34.34	\$44.10	(\$9.76)	(22.13%)

This filing includes a more detailed analysis of actual 2023 FCA recoverable costs in comparison to initial forecasted costs and associated rates from 2023, including a closer look at some of the key drivers impacting the results. Specifically, the analysis provides additional data and discussion on the following items:

1. Total Forecast costs for 2023 compared to actual costs.
2. Forecasted kWh sales for 2023 compared to actual kWh sales.
3. Forecasted rates for 2023 compared to actual rates.
4. Forecasted market prices for 2023 compared to actual market prices.
5. Forecasted generation and associated fuel costs compared to actual generation and associated costs, a discussion on changes in plant operations implemented in 2023, as well as a review of overall plant availability and associated forced outages.
6. Forecasted purchased power costs authorized for FCA recovery including PPAs and market purchases compared to actual results.
7. Forecasted MISO and SPP wholesale market charges compared to actual results.
8. Forecasted asset-based sales compared to actual results.

9. Reagent expenses and steam and water sales.
10. MISO Planning Resource Auction revenues

In addition, Attachment 2 to this filing includes a summary of monthly forecast and actual results for 2023 by month. And Attachment 3 (marked as Not Public) to this filing includes detailed forecast to actual comparisons for each month of 2023, with separate monthly variance analysis for total monthly costs, monthly MWhs, and monthly cost per MWh, as well as Total Year results for those same components.

Otter Tail provides additional analysis associated with total FCA collections for 2023 relative to actual costs incurred and quantifies the applicable true-up balance subject to collection as authorized by the Commission.

Finally, Otter Tail provides numerous compliance items as specified by applicable rules and prior Commission Orders.

C. 2023 TOTAL COSTS LOWER THAN FORECAST

Table 2 below summarizes OTP actual monthly FCA costs for 2023 compared to forecasted costs. As noted earlier, Attachment 2 to this filing provides a further categorical breakdown of forecasted and actual monthly costs for 2023. Further discussion and analysis of these results follows.

Table 2
Monthly Fuel & Purchased Power Costs
Forecast to Actual Comparison
(Total System)

Month	Actual	Forecast	Variance
January 2023	\$27,210,249	\$19,188,031	\$8,022,218
February 2023	\$12,675,210	\$16,067,648	(\$3,392,437)
March 2023	\$10,918,174	\$14,403,929	(\$3,485,755)
April 2023	\$5,136,309	\$9,299,894	(\$4,163,585)
May 2023	\$4,132,171	\$8,796,900	(\$4,664,730)
June 2023	\$7,035,859	\$10,265,673	(\$3,229,815)
July 2023	\$9,085,147	\$9,392,569	(\$307,422)
August 2023	\$7,740,621	\$10,804,610	(\$3,063,989)
September 2023	\$6,954,567	\$9,316,620	(\$2,362,053)
October 2023	\$9,322,425	\$10,085,639	(\$763,214)
November 2023	\$9,617,198	\$13,331,715	(\$3,714,517)
December 2023	\$10,935,307	\$16,015,275	(\$5,079,967)
Total	\$120,763,238	\$146,968,504	(\$26,205,266)

D. 2023 SALES HIGHER THAN FORECAST

Otter Tail's 2023 FCA forecast was developed using the most current sales forecast available at the time of its May 1, 2022 Initial Filing. For 2023, overall kWh sales were up approximately 3.7 percent relative to forecast as Otter Tail saw material load growth in all jurisdictions across its system in 2023. In addition, weather also played a factor in 2023 sales. Heating degree days (HDD) for 2023 were approximately 98.4 percent¹ of normal while cooling degree days (CDD) were 127.2 percent of normal in 2023.

Table 3 below shows the actual billed kWh sales compared to forecast for 2023:

¹ Actual 2023 HDD = 6,259 (98.4% of Normal); Actual 2023 CDD = 590 (127.2% of Normal).

Table 3
2023 Monthly kWh Sales
Forecast to Actual Comparison
Total System

Month	Actual	Forecast²	Variance
January 2023	591,233,807	562,745,252	28,488,555
February 2023	552,289,646	511,226,087	41,063,558
March 2023	524,700,322	500,055,122	24,645,200
April 2023	508,152,664	444,533,951	63,618,713
May 2023	442,834,206	419,954,599	22,879,604
June 2023	450,001,744	410,571,804	39,429,940
July 2023	455,886,179	440,595,150	15,291,029
August 2023	440,330,683	440,559,921	(229,238)
September 2023	440,438,337	418,120,549	22,317,788
October 2023	425,758,081	441,887,648	(16,129,567)
November 2023	475,685,935	482,220,035	(6,514,100)
December 2023	511,614,225	539,638,494	(28,024,269)
Total	5,818,925,830	5,612,088,612	206,837,217

E. COMPARISON OF FORECASTED RATES TO ACTUAL COSTS PER KWH

Table 4 below shows Otter Tail's actual average cost of fuel and purchased power for calendar year 2023 was \$0.020754 per kWh compared to a forecast of \$0.026188 per kWh. Table 4 summarizes the approved forecasted monthly fuel rate per kWh, the actual fuel costs per kWh and the variances. Attachment 2 provides these costs on a monthly and total basis.

² December 29, 2022, Order in Docket No. E017/AA-22-214.

Table 4
Total FCA Cost Per kWh
Initial Forecast to Actual Comparison
(Total System)

Month	Actual	Initial Forecast³	Variance
January 2023	\$0.046023	\$0.034097	\$0.011926
February 2023	\$0.022950	\$0.031430	(\$0.008479)
March 2023	\$0.020808	\$0.028805	(\$0.007996)
April 2023	\$0.010108	\$0.020921	(\$0.010813)
May 2023	\$0.009331	\$0.020947	(\$0.011616)
June 2023	\$0.015635	\$0.025003	(\$0.009368)
July 2023	\$0.019929	\$0.021318	(\$0.001389)
August 2023	\$0.017579	\$0.024525	(\$0.006946)
September 2023	\$0.015790	\$0.022282	(\$0.006492)
October 2023	\$0.021896	\$0.022824	(\$0.000928)
November 2023	\$0.020218	\$0.027648	(\$0.007430)
December 2023	\$0.021374	\$0.029678	(\$0.008304)

Table 4-1 below shows the revised rates that were implemented beginning in September 2023 for the September through December 2023 timeframe incorporating recovery of the 2022 under-collection and the over-collection during the first half of 2023 per Otter Tail's July 24, 2023 Supplemental Filing in this docket.

Table 4-1
Total FCA Cost Per kWh
Revised Forecast to Actual Comparison

Month	Actual	Revised Rates⁴	Variance
September 2023	\$0.015790	\$0.022607	(\$0.006817)
October 2023	\$0.021896	\$0.023149	(\$0.001253)
November 2023	\$0.020218	\$0.027973	(\$0.007755)
December 2023	\$0.021374	\$0.030003	(\$0.008629)

³ December 29, 2022, Order in Docket No. E017/AA-22-214.

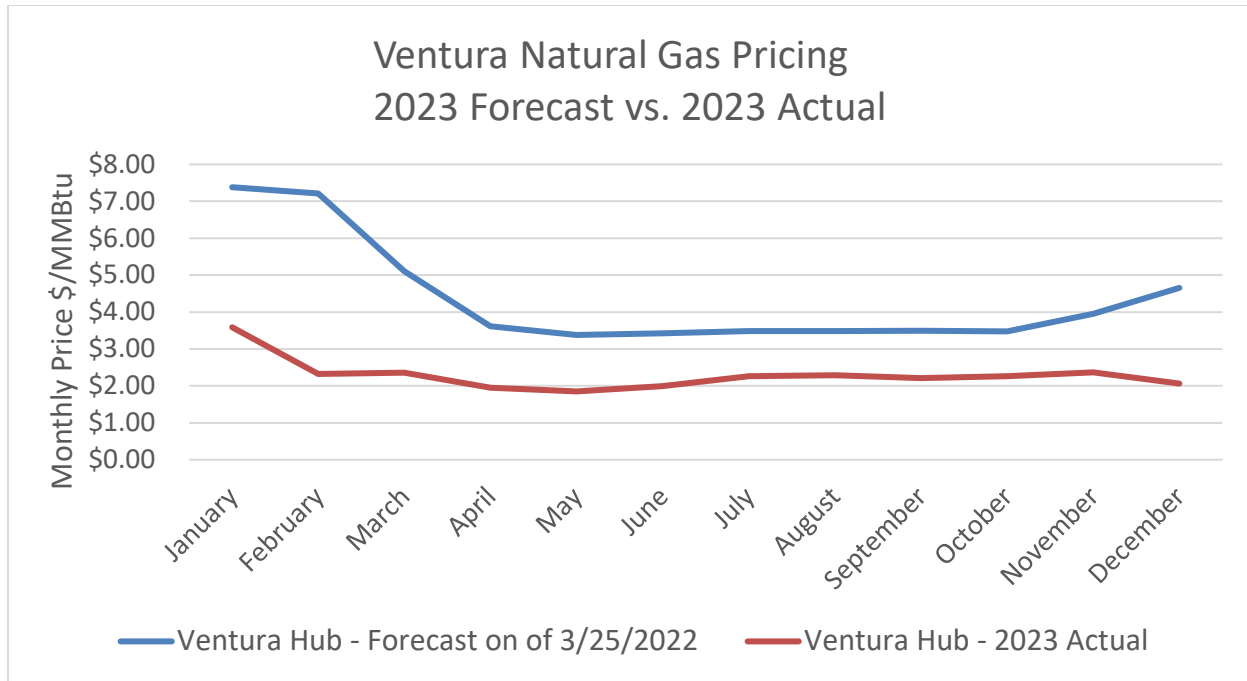
⁴ Otter Tail's Supplement Filing, July 24, 2023 in Docket No. E017/AA-22-214.

F. 2023 MARKET PRICES FOR NATURAL GAS AND ENERGY WERE LOWER

1. Natural Gas Prices

Natural gas pricing often drives Midcontinent Independent System Operator (MISO) LMP. This is due to natural gas generation facilities often being the marginal units, or price setting units, within the MISO market. This was evident back in 2021 as natural gas prices spiked abnormally high in February during Winter Storm Uri, which impacted much of the central United States and resulted in an increase in LMP.

Otter Tail's modeling inputs for natural gas in the initial forecast for 2023 was based on prices captured on March 25, 2022. At that time, forward curves projected higher natural gas prices for 2023. The graph below compares the 2023 actual average monthly Ventura Hub natural gas prices relative to the forecasted prices from March 25, 2022, that were used as key inputs in Otter Tail's FCA modeling to determine plant dispatch and associated market purchases included in Otter Tail's forecasted rates. On average, prices were expected to be over \$7.00 in January and February, retreating to within a \$3.50 to \$5.00 per MMBtu bandwidth much of the rest of the year. However, as illustrated in the graph below, actual natural gas prices decreased in early 2023 from under \$4.00 per MMBtu to an average of \$2.29 per MMBtu for the year. For the remainder of 2023, natural gas prices in the Ventura Hub remained relatively flat. Contributing factors to natural gas prices being lower than forecasted included weather, as well adequate supplies of natural gas produced and associated storage levels relative to demand.



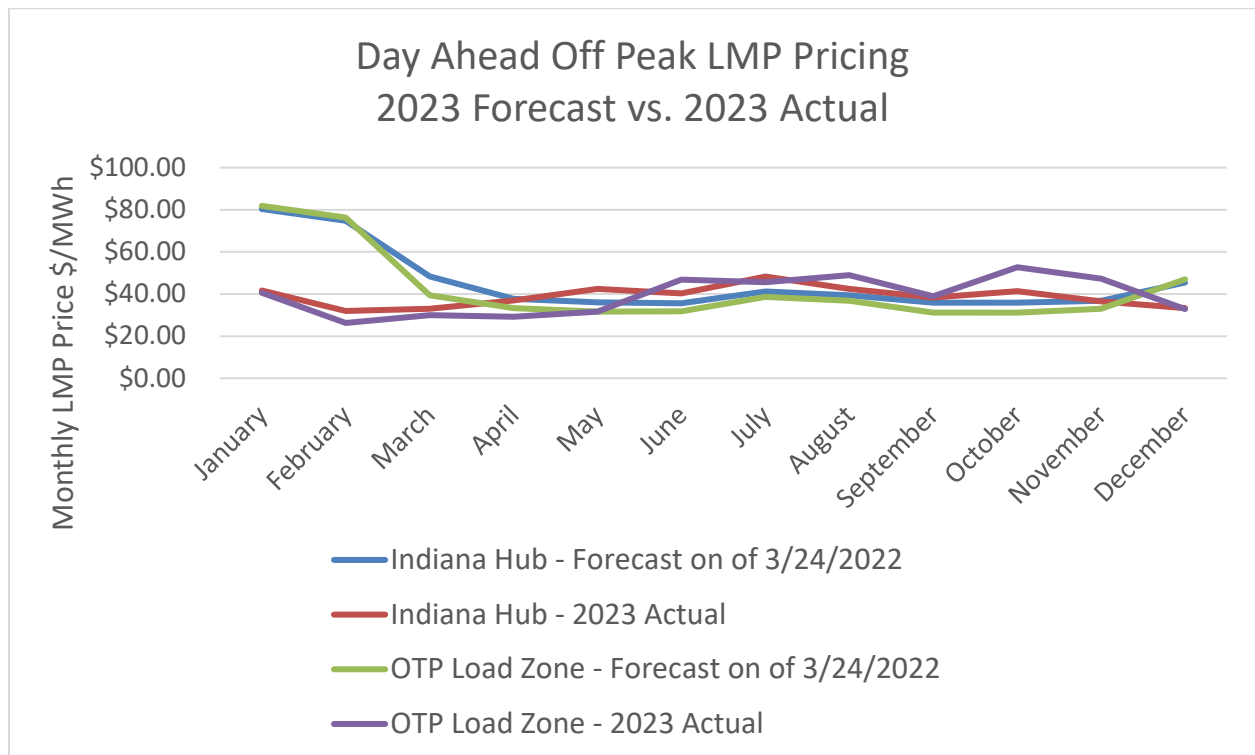
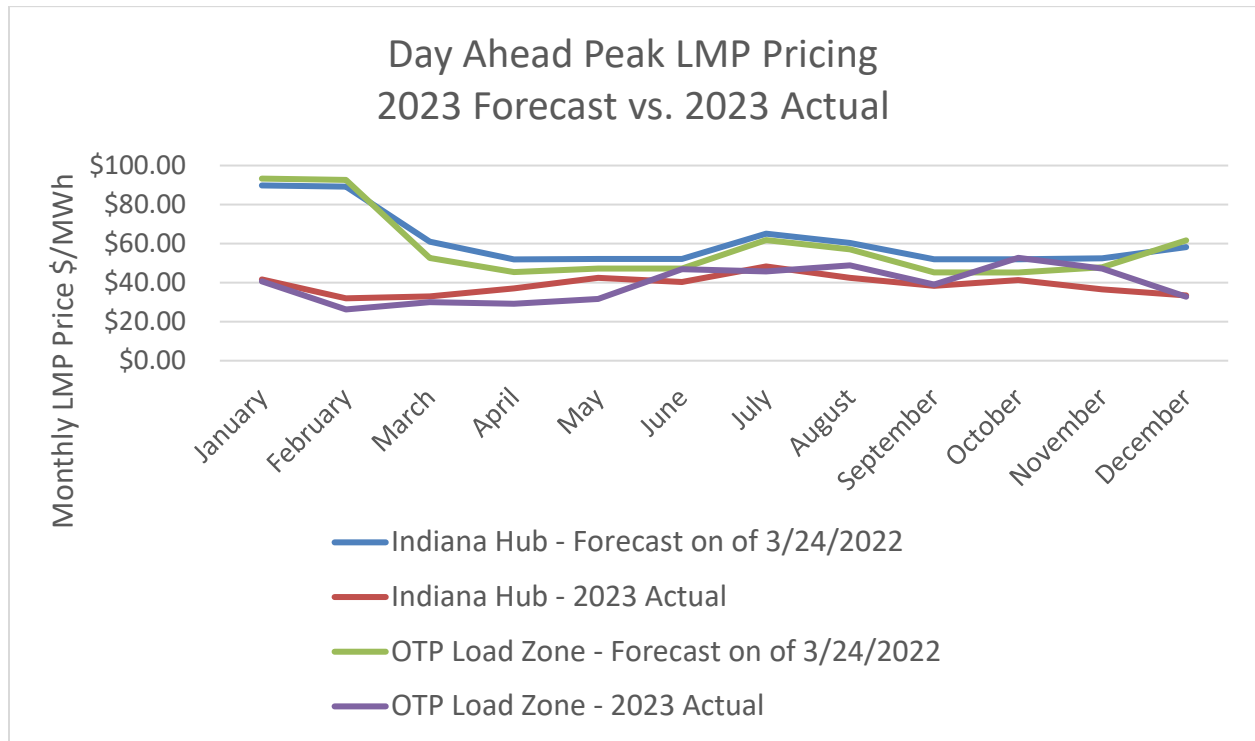
2. LMPs

A key input in Otter Tail's Encompass model, which was used to develop 2023 forecasted rates is forecasted LMPs. The model uses these prices to estimate how generating resources will be dispatched based on their respective operating costs to meet forecasted load. When market prices are lower than the fuel costs to generate, the model assumes market purchases will meet load, just like the real market works.

Otter Tail's forecasted 2023 LMPs for the Otter Tail load zone used as modeling inputs, utilizes the daily forward Indiana Hub price curves published by Intercontinental Exchange, Inc (ICE). Otter Tail analyzes historical pricing basis between the Indiana Hub and Otter Tail load zone, evaluates historical market conditions, and considers current and future market expectations to develop an Otter Tail load zone forecast. As the Indiana Hub actual pricing deviates from forecasted pricing, the Otter Tail load zone will similarly deviate. The 2023 Otter Tail forecast utilized the March 24, 2022, Indiana Hub forward price curve.

Actual average on-peak 2023 Indiana Hub pricing compared to the March 24, 2022; forward Indiana Hub price curve decreased approximately 36.6 percent. Similarly, actual on-peak 2023 Otter Tail load zone pricing compared to the forecasted March 24, 2022; Otter Tail load zone price curve decreased approximately 32.5 percent. The decrease in LMPs was caused in part by the

lower natural gas pricing discussed earlier. To illustrate, the graphs below show the Indiana Hub and Otter Tail load zone curves, forecast vs actual for peak and off-peak prices.



Appendix A, Section 3 7.C., of this filing provides additional discussion on how 2023 market conditions were incorporated into our forecast of generation output.

As noted earlier, the Encompass model that Otter Tail used to develop its 2023 fuel forecasts modeled plant dispatch and associated fuel costs based on the operating parameters and associated costs of running the plants. In the model, the dispatch of plants is influenced by (1) the amount of load to be served, which varies seasonally; (2) energy acquired from long term PPAs or other forward purchases; and (3) forecasted LMPs estimating the cost at which Otter Tail could acquire energy from the market. Plant availability is another factor, as planned outages and estimated forced outage rates were also inputs into the model. The model attempts to balance all these variables to achieve the lowest cost portfolio of resources to meet load and other market requirements.

3. Baseload Generation Utilization

Actual baseload generation for 2023 was lower than forecasted amounts for 2023, with actual generation 30.5 percent lower than forecast, and associated fuel costs were 34.45 percent lower. Part of the reduction was due to the forced outage at Big Stone Plant early in the year and lower LMPs. Table 5 below summarizes actual baseload generation output and fuel costs for 2023 compared to forecast.

Table 5
2023 Baseload Generation
Forecast to Actual Comparison
(Total System)

Generating Unit	Actual MWhs	Forecast MWhs	Variance	Variance %
Big Stone Plant	858,441	1,468,547	(610,106)	(41.5%)
Coyote Station	900,695	1,062,428	(161,733)	(15.2%)
Total Baseload Generation - MWhs	1,759,136	2,530,975	(771,839)	(30.5%)
Total Baseload Fuel Costs	\$43,373,589	\$66,172,634	(\$22,799,045)	(34.45)

4. Plant Availability

Big Stone Plant experienced six forced outages in 2023, three of which were tube leak related. As discussed and reviewed in the 2022 Annual True-up filing in Docket No. E017/AA-21-311, the lengthiest outage began November 5, 2022, when a concerning step change in vibration of a bearing in the generator's exciter was noticed while the unit was operating at a steady state. The exciter is a small generator mounted on the same shaft as that of the main generator, which produces DC power for the main generator field winding. The decision was made to take the unit down prior to any damage being done. That outage continued into 2023 and ended on February 6, 2023. The estimated change in energy costs due to this outage in 2023 was approximately **[Protected Data Begins... ..Protected Data Ends]** as summarized in Attachment 13.

Coyote Station had five forced outages in 2023, of which three were related to tube leaks. One was related to a surge pond failure, and the fifth was related to a required boiler wash necessary to remove ash build up that impeded gas flow.

Attachment 13 (marked as Not Public) to this filing provides a complete listing of 2023 forced outages and the estimated change in energy costs attributable to those outages.

5. Wind Generation

Output from Otter Tail's owned wind generation fleet was approximately 7.2 percent lower than forecasted for 2023. As Table 6 below shows, all Otter Tail wind facilities with the exception of Merricourt, saw from 10 percent to 27 percent reductions in generation output in 2023. This year was also the first year of Otter Tail's ownership of the Ashtabula III wind farm, purchased in early 2023.

Table 6
2023 OTP Owned Wind Generation
Forecast to Actual Comparison
(Total System)

	Actual MWhs	Forecast MWhs	Variance	Variance %
Langdon Wind	104,744	143,611	(38,867)	(27%)
Ashtabula Wind	123,215	152,750	(29,535)	(19.3%)
Ashtabula Wind III	163,229	214,207	(50,978)	(23.8%)
Luverne Wind	159,462	178,325	(18,863)	(10.6%)
Merricourt Wind	594,737	544,825	49,912	9.2%
Total Wind	1,145,386	1,233,719	(88,333)	(7.2%)

6. Gas and Oil Peaking Units, Hydro and Solar Generation

A small percentage of Otter Tail's generation comes from a natural gas peaking unit at Solway, MN, Otter Tail's new Astoria Station unit at Astoria, SD, several small oil peaking plants, a small amount of hydro, and small-scale solar generating facilities. MISO dispatched both Solway plant and Astoria Station at significantly lower levels than forecast in 2023. These units are dispatched by MISO as needed to meet load in their respective geographic areas. Attachment 3 (marked as Not Public) includes a detailed forecast to actual results for all of these plants.

G. MARKET PURCHASES AND POWER PURCHASE AGREEMENTS

Otter Tail had three long-term wind PPAs included in our resource portfolio to serve our load in 2023. Additional energy is procured through shared service agreements and small co-gen agreements. Otter Tail obtains the majority of its purchased power through purchases in the MISO Day Ahead (DA) and Real Time (RT) markets, and through certain forward bilateral energy purchases executed to hedge market price volatility during periods of peak load or when generating units are unavailable due to major planned outages.

Table 7 below provides a summary of these various resources and their respective MWh contributions to Otter Tail's overall resource needs in 2023 relative to forecast, as well as a summary of the overall forecasted and actual costs.

Table 7
2023 Purchased Power Summary
Forecast to Actual Comparison
(Total System)

	Actual	Forecast	Variance	Variance %
Wind PPAs – MWhs	114,545	117,411	(2,866)	(2.44%)
Shared Loads/ Small Cogen - MWhs	146,789	163,285	(16,496)	(10.1%)
Bilateral & MISO Market purchases – MWhs	2,432,551	1,346,462	1,086,089	80.1%
Total Purchases - MWhs	2,693,048	1,627,158	1,065,890	65.5%
Total Purchases - Cost	\$92,485,212	\$71,765,611	\$20,719,600	28.9%
Average Cost per MWh	\$34.34	\$44.10	(\$9.76)	(22.1%)

As noted in Table 7 above, Otter Tail’s wind PPAs were approximately 2.5 percent less than forecasted levels for 2023. In addition, shared load agreements and small co-gen agreements also supplement Otter Tail’s needs. These resources saw a slight decrease in output relative to forecast for 2023.

As discussed earlier, market prices were lower in 2023 than what Otter Tail had forecasted when rates were set. Otter Tail also experienced growth in system sales during 2023. As noted in Table 7, total bilateral and market-based purchases of 2,432,551 MWhs were 80.1 percent higher than the 1,346,462 MWhs forecast in 2023. As a portfolio, overall purchased power of 2,693,048 MWhs was approximately 65.5 percent higher than the 1,627,158 MWhs forecasted amount. Overall costs of purchased power were \$20.7 million higher than forecasted for 2023, accounting for a significant increase in overall costs for 2023. However, the average cost was \$34.34/MWh compared to the forecasted average cost of \$44.10/MWh for the portfolio of resources summarized in Table 7.

H. MISO AND SPP WHOLESALE MARKET CHARGES

Wholesale market charges consist of numerous charges and credits Otter Tail is subjected to as a participant in the MISO and the SPP⁵ energy markets. This subset of wholesale market charges/credits does not include the primary charges/credits associated with the injection of energy (generation) and the

⁵ Additional background information on Otter Tail load in SPP can be found in Appendix A Section 4 of this filing.

withdrawal of energy (load), as these charges are captured in the purchased power category of costs described above. Nearly 70 different MISO and SPP wholesale market charge types are currently assessed to Otter Tail.

Table 8 below summarizes 2023 MISO and SPP Market Charges which, in aggregate, were forecasted to be an expense of approximately \$1.96 million but resulted in a revenue credit of approximately \$15.7 million. The largest variance occurred in the MISO market where FTR hourly allocation and FTR auction revenue rights amount variances yielded the largest favorable variances, offsetting smaller unfavorable DA and RT congestion and loss amount variances. Detailed forecast to actual comparisons of all charge-types for both MISO and SPP can be found in Attachment 3 (marked as Not Public).

Table 8
2023 MISO and SPP Wholesales Market Charges
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
MISO Market Charges	(\$15,437,990)	\$1,968,660	(\$17,406,650)	(884.19%)
SPP Market Charges	\$917,700	(\$1,878,943)	\$2,796,644	(148.84%)
Total Market Charges	(\$14,520,290)	\$89,717	(\$14,610,007)	(16,285%)

I. ASSET BASED SALES

Plant availability, market prices, and load levels can all have an impact on when plants are dispatched to a point where units are net sellers into the market. For 2023, Otter Tail realized approximately \$12.0 million of asset-based sales that offset fuel costs and provided a margin of approximately \$3.1 million, all of which is credited back to customers through the fuel clause per provisions of Otter Tail's EAR Tariff Section 13.01. Otter Tail's Strategist model forecasted approximately \$19.1 million in asset-based sales for 2023. Lower average LMPs impacted the value of sales and associated margins when excess generation was available over and above meeting Otter Tail's load. Table 9 below summarizes 2023 asset-based forecast to actual results.

Table 9
2023 Asset Based Sales
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
Fuel Costs of Asset Based Sales	\$8,985,598	\$8,293,540	\$692,057	8.34%
Margin on Asset Based Sales	(\$3,062,156)	(\$10,833,123)	(\$7,770,967)	71.73%
Total Asset Based Sales	(\$12,047,754)	(\$19,126,663)	(\$7,078,909)	37.01%

J. ASM, WIND CURTAILMENTS

At times, Otter Tail's generating resources are called upon to provide Ancillary Services (ASM) into the MISO market, for which it receives a revenue stream. In addition, certain provisions within Otter Tail's wind PPAs call for curtailment payments to be made if the facilities are shut down due to negative LMPs. These revenues and costs are a small component of the overall FCA costs. ASM revenues of \$534,506 were approximately 11.8 percent lower in 2023 than forecast, while curtailment costs of \$54,571 were 6.9 percent higher than forecast. Forecast to actual details can be found in Attachments 2 and 3 for these items.

K. REAGENT EXPENSES AND STEAM AND WATER SALES

The 2023 EAR rates included forecasted costs for reagent expenses and were 26.91 percent lower than forecasted. The use of reagents is a direct correlation to the operation of our baseload units, and as noted earlier, baseload generation was down relative to forecast in 2023. Total reagent costs incurred for 2023 were approximately \$2.16 million, as summarized on line 30 of Attachment 2.

The 2023 EAR rates included forecasted steam and water sales. Actual sales were 6.8 percent higher than forecasted in 2023. Actual net margin attributable steam and water sales for 2023 was approximately \$808 thousand, as summarized on line 31 of Attachment 2.

L. MISO PLANNING RESOURCE AUCTION REVENUES

In 2022, Otter Tail realized significant revenues from the sale of excess generating capacity into the MISO market's 2022/2023 annual resource adequacy Planning Resource Auction (PRA). In total, Otter Tail was awarded approximately \$9.34 million for the June 2022 to May 2023 planning year.

On December 29, 2022, the Commission order in Otter Tail's 2023 EAR forecasted rates Docket No. E017/AA-22-214 modified Otter Tail's EAR tariff to include known MISO PRA revenues and expenses in the calculation of 2023 EAR rates. Otter Tail included the estimated 2023 portion of the 2022/2023 planning year revenues in 2023 rates.

Based on that order and treatment of PRA revenues for 2023 forecast rates, Otter Tail has included the actual January through May 2023 portion of the 2022/2023 PRA revenues Otter Tail received in this true-up.

In addition, the 2023 PRA revenues received from the 2023/2024 planning year auction are also included for June 2023 to December 2023. The 2023/2024 planning year auction results of approximately \$330k were significantly less than the prior year's \$9.34 million auction results. In total during 2023, Otter Tail received \$4,185,366 (System) of PRA revenue through MISO settlements as summarized on Attachment 1, line 3 and Attachment 2, line 28. Attachment 19 to this filing provides further detail on the timing of when PRA revenues are received and booked each month.

M. OTHER ITEMS

1. Minor Credit for Correction to Congestion and Losses

In 2023, Otter Tail found a minor correction to its added to the Marketing Book. Otter Tail's review treatment of Congestion and Losses that has been occurring since October of 2011. The error stemmed from a congestion and losses charge that was being shifted from the Resource Book to the Marketing Book. The charge was removed from the Resource Book but never of the charges resulted in a net credit of \$89,503 that Otter Tail is returning to customers in this EAR True-Up.

2. Hoot Lake Solar adjustment for 100 percent of Output

In Docket No. E017/M-20-844, the Commission approved Otter Tail's request to fully allocate to Minnesota the output and costs of the Hoot Lake Solar project. Otter Tail's current Minnesota EAR mechanism calculates Minnesota EAR rates based on total system costs divided by total system sales. Because Minnesota is not the only jurisdiction Otter Tail serves, the impact of the zero-fuel cost output of Hoot Lake Solar is diluted amongst all customers in the three states Otter Tail serves absent an adjustment. Because 100 percent of the output benefits Minnesota customers, an adjustment is

made to gross up the value of the output in the EAR calculation so 100 percent of the benefit is attributed to Minnesota in the EAR.

From a forecasting perspective, Otter Tail uses the forecasted monthly cost per MWh of Market Purchases and the forecasted monthly output for Hoot Lake Solar to calculate the avoided cost. On a monthly actual basis, Otter Tail obtains the actual revenue generated by Hoot Lake Solar through two primary MISO charge types: Day Ahead Asset Energy Amount and Non-Excessive Energy Amount. The difference between the total revenue generated by Hoot Lake Solar and the amount allocated to Minnesota through the standard calculation of Minnesota EAR is grossed up using Minnesota's percentage of total system sales to credit 100 percent of the Hoot Lake Solar revenue to the Minnesota EAR. The actual credit for 2023 was approximately \$1.8 million. The calculation for 2023 is included in Attachment 20 and reflected on line 33 of Attachment 2.

3. Xcel Resettlement Credited in this True-up

In June 2023, Xcel Energy made an out-of-market resettlement to Otter Tail to compensate for understated meter readings from two bad meters within the OTP.NSP load zone calculation. The understated meters required Xcel to reimburse Otter Tail for the energy that Otter Tail bought to serve Xcel customers. This true-up credits back to Otter Tail customers the total resettlement amount of approximately \$3.1 million. The understated meter readings began on May 6, 2022, for the first meter and November 15, 2022, for the second meter. The meters were providing correct readings beginning December 31, 2022.

N. NET TRUE-UP BALANCE

Attachment 1 provides the monthly detail of total system sales, total system FCA costs, monthly recovery of costs, and remaining true-up balances for both 2022 and 2023 recovery years. Because existing true-up adjustments remain in current rates until August 2024, the proposed true-up balance reflects an estimated balance on August 31, 2024, of an *over-recovery* of \$5,201,983, as summarized in Table 10 below. Attachment 1 provides the calculation of the annual true-up charge of \$0.002000 per kWh.

Table 10
2023 Annual True-Up Balance
MN Share

Line	Item	Amount
1	Total 2023 recovery from forecasted EAR:	\$71,867,995
2	Actual 2023 energy costs (MN Share)	\$58,104,221
3	2023 Over/(Under) Recovery before refund	\$13,763,774
4	Projected 2023 Over/(Under) Recovery Balance as of August 31, 2024	\$5,197,464
5	Projected Over/(Under) Recovery balance of 2022 True-up as of August 31, 2024	\$4,519
6	Total Net Remaining True-up Over/(Under) Recovery (Sum of lines 4-5) as of August 31, 2024	\$5,201,983

Line 1 in Table 10 above shows that total collections based on approved rates were approximately \$72.1 million, yielding an over-collection of approximately \$14.1 million for the 2023 recovery year. This amount does not consider any true ups from prior periods. Line 4 reflects the projected remaining balance of 2023 recovery as of August 31, 2024, accounting for rate adjustments implemented in September of 2023 to begin refunding the over-collection that occurred from January through June of 2023. Line 5 reflects the projected balance of the 2022 under-recovery true-up balance as of August 31, 2024. Line 6 reflects the total projected over-recovery balance as of August 31, 2024, that Otter Tail proposes for recovery beginning September 1, 2024. As noted above, Attachment 1 details the calculation of the amounts in Table 10.

For reference, Otter Tail's current Energy Adjustment Rider, Section 13.01, Page 3, includes these two paragraphs describing the annual true-up:

In addition, subject to Commission approval, there shall be an annual true-up for any amount collected over or under the actual cost of energy for the twelve months ending December 31 of each year as reported in the Annual Automatic Adjustment True-up report to be filed by March 1 following the most recent reporting period. The annual true-up shall be based on a historic twelve-month period, comparing actual costs per kWh to the forecasted costs per kWh and shall be applied to the subsequent twelve months. The annual true-up will be effective on billings beginning the first of the month following Commission approval of the true-up, or as ordered by the Commission. In years when the over- or under-recovery amount is small (resulting in a true-up rate rounded to less than 0.001¢), the true-up balance will carry over to the next year's true-up.

The annual true-up rate for each class shall be calculated as follows. The over- or under-recovery amount as shown in the current year Annual Automatic Adjustment True-up report will be divided by the forecasted Minnesota Kilowatt-Hours subject to the fuel adjustment clause for the proposed twelve-month recovery period the true-up rate will be in effect and then multiplied by the applicable EAF ratio. This calculation will produce a true-up rate per Kilowatt-Hour (rounded to the nearest 0.001¢) for each class that will be applied to Customers' bills in the same manner as the monthly cost of energy adjustment.

This annual true-up for 2023 is being filed on or before March 1, 2024. Any remaining balances associated with the prior recovery period annual true-up filing are included as part of the true-up rate requested in this filing per Ordering point 10 of the June 12, 2019 Order in Docket E999/CI-03-802.

O. ANNUAL COMPLIANCE/REPORTING REQUIREMENTS

In Appendix A, Otter Tail provides annual reporting requirements specified in the Rule sections described below to satisfy compliance obligations stemming from either these Rules or prior Commission Orders. Rule variances for these rules were approved by the Commission Order dated June 12, 2019, in Docket No. E999/CI-03-802.

Minn. R. 7825.2810 Annual Report: Automatic Adjustment of Charges

Appendix A Section 2 contains a summary of the annual reporting (by month) of all actual electric automatic adjustment charges for the prior year of January 1 to December 31, 2022. It includes the following:

Appendix A Section 2.1	Subpt. 1.A. Commission Approved Base Cost of Fuel
Appendix A Section 2.2	Subpt. 1.B. Billing Adjustment Amounts
Appendix A Section 2.3	Subpt. 1.D. Total Cost of Fuel Delivered to Customers
Appendix A Section 2.4	Subpt. 1.E. Revenue Collected from Customer for Energy Delivered
Appendix A Section 2.5	Subpt. 1.G. The Amount of Refunds

Additional Reporting Requirements

Appendix A Section 3	Passing MISO Day 2 Costs Through Fuel Clause Order in Docket No. E017/M-05-284
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Appendix A Section 4	Southwest Power Pool (SPP) Energy Costs Docket No. E017/GR-15-1033
Appendix A Section 5	MN DOC's Review of 2005/2006 AAA Report Docket No. E,G999/AA-06-1208, Use of Virtual Transactions for Retail and Generation Maintenance Expenses
Appendix A Section 6	MNPUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings (Lessons Learned, Outages, Congestion and FTR, MISO Accredited UCAP Docket No. E999/AA-09-961 and E999/AA-10-884
Appendix A Section 7	MN OES's Review of 2006/2007 AAA Report – MISO Day 2 Charges Docket E,G999/AA-07-1130
Appendix A Section 8	Petition to Revise Cost of Energy Adjustment Tariff to Accommodate Purchased Energy from Renewable Resources Docket No. E017/M-03-970 and Wind Curtailment Summary Docket No. E,G999/AA-06- 1208
Appendix A Section 9	MN OES's Order Authorizing Ongoing Use of Fuel Clause Adjustment and Setting Reporting Requirements and Petition for Approval Revisions to Riders for Fuel Adjustment to Recover Costs and Pass through Related to MISO Ancillary Services Market Docket No. E017/M-08-528
Appendix A Section 10	MNPUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings in 2013/2014 AAA Reports (FTR,ARRs) Docket No. E999/AA-14-579
Appendix A Section 11	MNPUC Order Acting on Electric Utilities' Annual Reports and Setting Further Requirements – Contractors Docket No. E999/AA-08-995

Minn. R. 7825.2820 Annual Auditor's Report

Appendix B contains the Independent Accountants' Report for the period of January 1 to December 31, 2023.

Minn. R. 7825.2830 Annual Five-Year Projection

Otter Tail submitted its Five-Year Projection as part of its 2024 Forecasted FCA rates filing submitted May 1, 2023, in Docket No. E017/AA-23-181.

Minn. R. 7825.2830 Notice of Reports Availability

Appendix C contains the Notice of Reports Availability, Certificate of Service, and Service Lists.

VI. CONCLUSION

Otter Tail's fuel clause expenses were lower than forecasted for 2023 causing over-collections throughout 2023. Otter Tail proactively updated rates for September to August 2024 in response to materially different market conditions that existed in 2023. This response avoided an even higher over-collection balance at year end. Otter Tail's actual costs were reasonable and prudent for 2023 and are reflective of the significant changes that occurred in 2023, as described above, to meet Otter Tail's loads. Otter Tail respectfully requests approval of the proposed true-up balance reflected in this filing.

Otter Tail also seeks Commission approval of all reporting and compliance components of this annual automatic adjustment of charges report, as required by rules and prior Commission orders.

Dated: March 1, 2024

Respectfully submitted,

OTTER TAIL POWER COMPANY

By: /s/ AMBER STALBOERGER

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OTTER TAIL POWER COMPANY
FUEL CLAUSE ADJUSTMENT FORECAST PETITION ATTACHMENTS

Attachment 1	True-Up for kWh Subject to Energy Adjustment
Attachment 2	Forecast to Actual by Category
Attachment 3	Forecast to Actual Detail by Month with Variance (Not Public)
Attachment 4	Energy Adjustment Rider Rate Schedule
Attachment 5	kWh Sales by Primary Energy Source
Attachment 6	Energy Costs by Primary Energy Source
Attachment 7	Monthly Cost Components by Fuel Type (Not Public)
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Attachment 15-18	MISO ASM Charges
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Otter Tail Power Company True-Up for kWh Subject to Energy Adjustment Rider (EAR)
Docket No. E017/AA-22-214
Annual True-Up Period of January 2023 through December 2023

		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	YTD 2023 Total	
1	Total System Sales (kWh)	591,233,807	552,289,646	524,700,322	508,152,664	442,834,206	450,001,744	455,886,179	440,330,683	440,438,337	425,758,081	475,685,935	511,614,225	5,818,925,830	
2	Total System Energy Cost	\$27,210,249	\$12,675,210	\$10,918,174	\$5,136,309	\$4,132,171	\$7,035,859	\$9,085,148	\$7,740,621	\$6,954,567	\$9,322,425	\$9,617,198	\$10,935,307	\$120,763,238	
3	MN kWh Sales Subject to Energy Adjustment Rider (EAR)	273,454,575	265,102,290	246,864,724	239,287,164	205,760,058	231,349,109	221,646,956	221,046,016	220,407,377	202,832,435	227,297,710	244,679,004	2,799,727,419	
4	MN FCA Revenue (Line 11-Line 6-Line 8)	\$7,519,000	\$9,032,231	\$7,758,996	\$6,643,947	\$4,367,379	\$5,098,493	\$5,081,600	\$5,529,665	\$4,071,252	\$4,303,926	\$5,496,550	\$6,964,956	\$71,867,995	
5	2022 True Up	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.003600	\$0.003600	\$0.003600	\$0.003600		
6	2022 True Up (line 3 * line 5)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$793,467	\$730,197	\$818,272	\$880,844	\$3,222,779	
7	2023 Supplemental	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	(\$0.003275)	(\$0.003275)	(\$0.003275)	(\$0.003275)		
8	2023 True Up (line 3 * line 7)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$721,834)	(\$664,276)	(\$744,400)	(\$801,324)	(\$2,931,834)	
9															
10															
11	MN FCA Revenue Collection	\$7,519,000	\$9,032,231	\$7,758,996	\$6,643,947	\$4,367,379	\$5,098,493	\$5,081,600	\$5,529,665	\$4,142,885	\$4,369,847	\$5,570,422	\$7,044,476	\$71,577,050	
12															
13													MN FCA Revenue (Line 4)	(1)	\$71,867,995
14													Actual Energy Cost	(2)	\$58,104,221
15													Over/(Under) Recovery for 2023 FCA Year	(3)	\$13,763,774
16															
17															
18													Projected Cumulative Over/(Under) for 2022 FCA Year as of 08/31/2024	(4)	\$ 4,519
													Projected Cumulative Over/(Under) for 2023 FCA Year as of 08/31/2024	(5)	\$ 5,197,464
19													Projected Current Over/(Under) to Customers as of 08/31/2024	(6)	\$ 5,201,983
20													Forecasted kWh Sept. 2024 - Aug. 2025	(7)	2,615,076,901
21													Annual True-up Factor Over/(Under)	(8)	\$0.002000
	(1) Total adjusted recovery: Sum of recovery from FCA and recovery from base cost														
	(2) Actual energy cost: MN kwh sales subject to COE / total sys sales x total sys energy cost														
	(3) Over/under recovery: total adjusted recovery - actual energy cost														
	(4) % over/under recovery: over/under recovery / actual energy cost														
	(5) Cumulative Over/(Under) Recovery														
	(6) Sum of current year Over/(Under) recovery and Cumulative of prior period(s)														
	(7) Forecasted kWh - Energy Adjustment Rider, Section 13.01 - "The over- or under- recovery amount as shown in the current year Annual Automatic Adjustment True-up report will be divided by the forecasted Minnesota Kilowatt-Hours subject to the fuel adjustment clause for the proposed twelve month recovery period the true-up rate will be in effect and then multiplied by the applicable EAF ratio."														
	(8) Refund to customers / Forecasted kWh September 2023 through December 2023														

Minnesota COE Calculation

FORECASTED COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Rate Effective month	January-23	February-23	March-23	April-23	May-23	June-23	July-23	August-23	September-23	October-23	November-23	December-23	Year End
2	Based on Period Ending	01/31/23	02/28/23	03/31/23	04/30/23	05/31/23	06/30/23	07/31/23	08/31/23	09/30/23	10/31/23	11/30/23	12/31/23	Total
3	Plant Generation	\$11,784,933	\$14,411,446	\$7,075,402	\$6,853,034	\$6,581,867	\$5,910,281	\$9,351,009	\$8,802,105	\$5,844,775	\$4,904,306	\$6,088,709	\$10,589,723	\$98,197,590
4	Wholesale Market Charges	(\$270,461)	\$57,858	\$42,691	\$36,297	\$44,937	(\$70,065)	\$25,728	\$16,102	\$21,864	\$50,855	\$60,732	\$73,179	\$89,717
5	Purchased Power	\$11,877,245	\$6,122,185	\$8,073,487	\$4,219,808	\$4,124,292	\$5,525,119	\$3,146,893	\$4,187,542	\$4,574,568	\$5,679,698	\$7,426,906	\$6,807,869	\$71,765,611
6	Wind Curtailment	(\$2,369)	\$476	(\$750)	\$23,005	(\$19,978)	\$15,018	\$1,195	\$4,603	\$1	\$20,396	\$17,161	(\$7,743)	\$51,014
7	Fuel costs of Asset-Based Sales	(\$1,058,816)	(\$1,665,289)	(\$93,278)	(\$589,177)	(\$633,115)	(\$569,467)	(\$1,241,782)	(\$907,546)	(\$466,151)	(\$206,264)	(\$132,282)	(\$730,373)	(\$8,293,540)
8	MISO ASM	(\$45,202)	(\$83,088)	(\$52,446)	(\$32,537)	(\$24,664)	(\$76,330)	(\$67,812)	(\$78,941)	(\$54,980)	(\$18,664)	(\$26,767)	(\$44,716)	(\$606,147)
9	MN Asset-Based Margins	(\$2,529,513)	(\$2,222,134)	(\$80,549)	(\$628,787)	(\$678,690)	(\$581,129)	(\$1,570,652)	(\$955,951)	(\$451,965)	(\$232,759)	(\$134,807)	(\$766,188)	(\$10,833,123)
10	Hoot Lake Solar Generation Credit	\$0	\$0	\$0	\$0	\$0	\$0	(\$454,533)	(\$426,665)	(\$320,982)	(\$217,369)	(\$160,264)	(\$137,121)	(\$1,716,934)
11	Steam Plant Reagents	\$306,461	\$314,682	\$285,065	\$236,202	\$222,831	\$194,694	\$279,137	\$238,831	\$210,472	\$143,671	\$202,270	\$326,818	\$2,961,135
12	Steam and Water Sales: Net Margin	(\$96,249)	(\$90,490)	(\$67,693)	(\$39,951)	(\$42,581)	(\$82,446)	(\$76,615)	(\$75,468)	(\$40,982)	(\$38,233)	(\$9,941)	(\$96,172)	(\$756,821)
13	MISO Planning Resource Auction Results	(\$778,000)	(\$778,000)	(\$778,000)	(\$778,000)	(\$778,000)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$3,890,000)
14	Fuel Costs and Purchase Power for System Use	\$19,188,030	\$16,067,648	\$14,403,930	\$9,299,894	\$8,796,900	\$10,265,673	\$9,392,569	\$10,804,611	\$9,316,620	\$10,085,639	\$13,331,716	\$16,015,275	\$146,968,503
15	Energy for System Use (kWh)	562,745,252	511,226,087	500,055,122	444,533,951	419,954,599	410,571,804	440,595,150	440,559,921	418,120,549	441,887,648	482,200,035	539,638,494	5,612,088,612
16	Forecast Cost per kWh Approved December 2021	0.034097	0.031430	0.028805	0.020921	0.020947	0.025003	0.021318	0.024525	0.022282	0.022824	0.027648	0.029678	0.026188
17	True-Up Factor for 2022 - Approved June 2023 - (Sept 2023 - Aug 2024)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.003600	0.003600	0.003600	0.003600	
18	Provisional Refund of Jan-Jun 2023 Over-Recovery - (Sept 2023 - Aug 2024)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	(0.003275)	(0.003275)	(0.003275)	(0.003275)	
19	EAR Rate With Approved True Up and Refunds	0.034097	0.031430	0.028805	0.020921	0.020947	0.025003	0.021318	0.024525	0.022607	0.023149	0.027973	0.030003	

ACTUAL COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
20	Rate Effective month	January-23	February-23	March-23	April-23	May-23	June-23	July-23	August-23	September-23	October-23	November-23	December-23	Year End
21	Based on Period Ending	01/31/23	02/28/23	03/31/23	04/30/23	05/31/23	06/30/23	07/31/23	08/31/23	09/30/23	10/31/23	11/30/23	12/31/23	Total
22	Plant Generation	\$3,124,669	\$3,252,842	\$5,020,324	\$3,479,352	\$5,331,760	\$5,927,739	\$7,369,655	\$6,847,660	\$5,290,702	\$4,105,462	\$4,543,361	\$5,673,053	\$59,966,576
23	Wholesale Market Charges	(\$155,096)	(\$444,048)	(\$656,547)	(\$1,748,026)	(\$758,311)	(\$144,755)	(\$240,951)	(\$160,562)	(\$1,498,123)	(\$5,095,115)	(\$3,284,916)	(\$1,251,540)	(\$15,437,990)
24	SPP Charges	\$45,006	(\$107,963)	\$246,633	\$90,643	(\$22,437)	(\$229,428)	(\$2,105)	\$225,022	\$453,192	\$152,873	\$8,875	\$57,392	\$917,700
25	Purchased Power (1)	\$25,164,942	\$10,907,999	\$7,959,176	\$4,576,288	\$1,660,088	\$2,423,485	\$4,120,189	\$2,791,093	\$4,233,186	\$11,484,484	\$9,332,992	\$7,831,291	\$92,485,212
26	Wind Curtailment	(\$53,670)	(\$20,819)	\$60,282	(\$28,301)	\$67,367	\$16,578	(\$21,291)	\$2,820	\$5,098	\$1,755	\$21,016	\$3,737	\$54,571
27	Fuel costs of Asset-Based Sales	(\$209,329)	(\$421,160)	(\$859,798)	(\$488,187)	(\$1,031,734)	(\$531,714)	(\$1,364,896)	(\$1,131,522)	(\$833,600)	(\$717,819)	(\$615,974)	(\$779,866)	(\$8,985,598)
28	MISO ASM	\$31,196	\$13,593	(\$21,976)	(\$38,511)	(\$75,869)	(\$99,340)	(\$68,764)	(\$19,395)	(\$117,577)	(\$12,812)	(\$78,344)	(\$46,708)	(\$534,507)
29	MN Asset-Based Margins	(\$111,760)	\$210,510	(\$184,566)	(\$63,070)	(\$275,864)	(\$146,337)	(\$670,465)	(\$497,112)	(\$268,488)	(\$285,790)	(\$242,539)	(\$526,675)	(\$3,062,156)
30	Steam Plant Reagents	\$95,634	\$111,737	\$219,730	\$130,922	\$181,664	\$167,319	\$235,725	\$239,846	\$236,573	\$120,951	\$207,355	\$216,971	\$2,164,426
31	Steam / Water Sales: Net Margin	(\$32,518)	(\$67,671)	(\$82,927)	(\$41,853)	(\$49,355)	(\$42,450)	(\$49,564)	(\$91,644)	(\$96,795)	(\$61,442)	(\$97,373)	(\$94,811)	(\$808,405)
32	Planning Resource Auction Revenues	(\$688,824)	(\$739,380)	(\$792,069)	(\$715,476)	(\$843,239)	(\$210,516)	(\$8,587)	(\$8,587)	(\$42,473)	(\$65,416)	(\$57,510)	(\$13,290)	(\$4,185,366)
33	Hoot Lake Solar Adjustment	\$0	(\$20,429)	\$9,914	(\$17,471)	(\$51,901)	(\$94,722)	(\$213,797)	(\$456,996)	(\$407,127)	(\$304,704)	(\$119,745)	(\$134,247)	(\$1,811,225)
34	Fuel Costs and Purchase Power for System Use	\$27,210,249	\$12,675,210	\$10,918,174	\$5,136,309	\$4,132,171	\$7,035,859	\$9,085,148	\$7,740,621	\$6,954,567	\$9,322,425	\$9,617,198	\$10,935,307	\$120,763,238
35	Energy for System Use (kWh)	591,233,807	552,289,646	524,700,322	508,152,664	442,834,206	450,001,744	455,886,179	440,330,683	440,438,337	425,758,081	475,685,935	511,614,225	5,818,925,830
36	Actual Cost per kWh	0.046023	0.022950	0.020808	0.010108	0.009331	0.015635	0.019929	0.017579	0.015790	0.021896	0.020218	0.021374	0.020754

(1) Includes PPAs, shared loads, Bilateral purchases, MISO and SPP Market purchases

January 2023 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	January 2023 Forecast	January 2023 Actual			Notes
1	1st Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6	Total Coal	\$ 6,838,131	\$ 2,035,561	\$ (4,802,571)	-70.23%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashitaba Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20						
21	Total Oil - Peaking Units	\$ 481,035	\$ 5,258	\$ (475,777)	-98.91%	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26	Total Natural Gas	\$ 4,465,768	\$ 1,083,850	\$ (3,381,918)	-75.73%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30	Solar - Hoot Lake					
31						
32	Total Solar	\$ -	\$ -	\$ -	0	
33						
34	Total OTP-Owned	\$ 11,784,934	\$ 3,124,669	\$ (8,660,266)	-73.49%	
35						
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (265,251)	\$ (262,145)	\$ 3,106	-1.17%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 698,279	\$ 479,906	\$ (218,372)	-31.27%	
45	RT Loss Amount	\$ 44,607	\$ 57,585	\$ 12,978	29.10%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 86,901	\$ 51,475	\$ (35,426)	-40.77%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 9,048	\$ 6,994	\$ (2,454)	-27.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,321	\$ 1,530	\$ (790)	-34.06%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 519,235	\$ 1,580,890	\$ 1,061,655	204.47%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ 42,431	\$ 128,330	\$ 85,899	202.44%	
57	555.14 FTR Hourly Allocation Amount	\$ (879,622)	\$ (2,051,060)	\$ (1,171,439)	133.18%	
58	555.15 FTR Monthly Allocation Amount	\$ (25,252)	\$ (73,888)	\$ (48,636)	192.60%	
59	555.17 FTR Yearly Allocation Amount	\$ (291,097)	\$ (61,726)	\$ 229,371	-78.80%	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0	
61	555.36 FTR Full Funding Guarantee Amount	\$ 295,557	\$ 65,830	\$ (229,727)	-77.73%	
62	555.37 FTR Guarantee Uplift Amount	\$ (306,588)	\$ (67,750)	\$ 238,837	-77.90%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (936,249)	\$ (7,483,097)	\$ (6,546,848)	699.26%	
64	555.38 FTR Annual Transaction Amount	\$ 932,574	\$ 7,480,579	\$ 6,548,005	702.14%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,775	\$ 9,195	\$ 4,420	92.56%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (45,139)	\$ (108,463)	\$ (63,324)	140.29%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 14,515	\$ 12,001	\$ (2,514)	-17.32%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (328)	\$ -	\$ 328	-100.00%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 8,103	\$ (52,948)	-86.73%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (31,362)	\$ 5,252	-14.34%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 145,577	\$ 35,405	32.14%	
74	555.25 RT Misc Amount	\$ 6,224	\$ 3,943	\$ (2,281)	-36.65%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (14,942)	\$ (12,126)	430.54%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 19,222	\$ 2,340	\$ (16,882)	-87.83%	
78	555.63 DA Ramp Product	\$ (1,893)	\$ -	\$ 1,893	-100.00%	
79	555.64 RT Ramp Product	\$ (682)	\$ (119)	\$ 563	-82.54%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 18,906	\$ 11,639	160.16%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 6,271	\$ 6,271	0	
88						
89	Total MISO Wholesale Market Charges	\$ (89,452)	\$ (155,096)	\$ (65,644)	73.38%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ (4)	\$ (187)	-102.02%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ 21	\$ 0	1.03%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 2	\$ (9)	-82.49%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 6	\$ (17)	-74.74%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 5	\$ (19)	-79.64%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 1	\$ (2)	-79.82%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (54,232)	\$ (15,288)	\$ 38,944	-71.81%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ (0)	\$ (0)	1319.72%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-83.05%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1	-93.11%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0	-95.01%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (96,417)	\$ 43,851	\$ 140,268	-145.48%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (30,633)	\$ 16,421	\$ 47,053	-153.61%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ (11)	\$ (3)	46.59%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 1	\$ (0)	-30.11%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 4	\$ (2)	-40.45%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ 0	\$ 0	0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ (1)	\$ (12)	-113.46%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ 0	\$ (0)	\$ (0)	-104.08%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (181,009)	\$ 45,006	\$ 226,014	-124.86%	
127							
128		MISO ASM					
129		Day Ahead Regulation Amount	\$ (56,038)	\$ (8,750)	\$ 47,287	-84.39%	
130		Real Time Regulation Amount	\$ 11,807	\$ (2,799)	\$ (14,606)	-123.71%	
131		Regulation Cost Distribution Amount	\$ 18,405	\$ 23,464	\$ 5,059	27.48%	
132		Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (5,674)	\$ 15,157	-72.76%	
133		Real Time Short-Term Reserve Amount	\$ 880	\$ (555)	\$ (1,565)	-159.69%	
134		Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 12,371	\$ 3,302	36.42%	
135		Day Ahead Spinning Reserve Amount	\$ (23,988)	\$ (665)	\$ 23,323	-97.23%	
136		Real Time Spinning Reserve Amount	\$ 4,577	\$ (2,197)	\$ (6,774)	-148.00%	
137		Spinning Reserve Cost Distribution Amount	\$ 11,162	\$ 18,220	\$ 7,059	63.24%	
138		Day Ahead Supplemental Reserve Amount	\$ (11,057)	\$ (8,249)	\$ 2,808	-25.40%	
139		Real Time Supplemental Reserve Amount	\$ 4,894	\$ 3,425	\$ (1,469)	-30.01%	
140		Supplemental Reserve Cost Distribution Amount	\$ 1,902	\$ 2,755	\$ 852	44.80%	
141		Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 646	\$ (1,805)	-73.65%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144		Net Regulation Adjustment Amount	\$ 1,440	\$ (767)	\$ (2,206)	-153.24%	
145		Total MISO ASM	\$ (45,202)	\$ 31,196	\$ 76,398	-169.01%	
146							
147		Total Wholesale Market Charges	\$ (315,663)	\$ (78,894)	\$ 236,769	-75.01%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy
161							
162		Total Purchases	\$ 11,877,245	\$ 25,164,942	\$13,287,696	111.88%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ (2,369)	\$ (53,670)	\$ (51,301)	2165.24%	
165							
166		Asset Based Sales	\$ (3,588,328)	\$ (321,089)	\$ 3,267,239	-91.05%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (1,058,816)	\$ (209,329)	\$ 849,487	-80.23%	
168		Asset Based Margins	\$ (2,529,513)	\$ (111,761)	\$ 2,417,752	-95.58%	
169							
170		Hoot Lake Solar Generation Credit	\$ -	\$ -	\$ -	0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 306,461	\$ 95,634	\$ (210,827)	(1)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (96,249)	\$ (32,518)	\$ 63,731	(1)	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ (778,000)	\$ (688,824)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 19,188,031	\$ 27,210,249	\$ 8,022,218	41.81%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

January 2023 Forecast to Actual - MWH					
Line	Plant Generation	January 2023	January 2023		Notes
		Forecast	Actual		
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Hoot Lake Plant Closed in May 2021
4	Hoot Lake #3				
5				...PROTECTED DATA ENDS]	
6	Total Coal	253,865	90,219		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula III				
11	Luverne Wind				
12	Merricourt				
13				...PROTECTED DATA ENDS]	
14	Total Wind and Solar	125,285	70,608		
15					
16	Total Hydro	1,699	785		
17		[PROTECTED DATA BEGINS...]			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21				...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	1,618	-		
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26				...PROTECTED DATA ENDS]	
27	Total Natural Gas	65,313	26,072		
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32				...PROTECTED DATA ENDS]	
33	Total Solar	-	35		
34					
35	Total OTP-Owned	447,780	187,720		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***		N/A	N/A	
40	555.04 DA FBT Loss Amount		N/A	N/A	
41	555.09 DA Non-asset Energy Amount***		N/A	N/A	
42	555.19 RT Asset Energy Amount***		N/A	N/A	
43	555.24 RT Distribution of Losses Amount		N/A	N/A	
44	555.21 RT FBT Loss Amount		N/A	N/A	
45	DA Loss Amount		N/A	N/A	
46	RT Loss Amount		N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***		N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA		N/A	N/A	
49	555.12 DA Virtual Energy Amount		N/A	N/A	
50	555.32 RT Virtual Energy Amount		N/A	N/A	
51	555.01 DA Mkt Admin Amount		N/A	N/A	
52	555.18 RT Mkt Admin Amount		N/A	N/A	
53	555.13 FTR Mkt Admin Amount		N/A	N/A	
54	555.03 DA FBT Congestion Amount		N/A	N/A	
55	DA Congestion		N/A	N/A	
56	555.2 RT FBT Congestion Amount		N/A	N/A	
57	RT Congestion		N/A	N/A	
58	555.14 FTR Hourly Allocation Amount		N/A	N/A	
59	555.15 FTR Monthly Allocation Amount		N/A	N/A	
60	555.17 FTR Yearly Allocation Amount		N/A	N/A	
61	555.35 FTR Monthly Transaction Amount		N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount		N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount		N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A	
65	555.38 FTR Annual Transaction Amount		N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment		N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A	
75	555.25 RT Misc Amount		N/A	N/A	
76	555.27 RT Net Inadvertent Amount		N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount		N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A	
79	555.63 DA Ramp Product		N/A	N/A	
80	555.64 RT Ramp Product		N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***		N/A	N/A	
84	555.05 DA Congestion Rebate on COGA		N/A	N/A	
85	555.06 DA Losses Rebate on COGA		N/A	N/A	
86	555.22 RT Congestion Rebate on COGA		N/A	N/A	
87	555.23 RT Loss Rebate on COGA		N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***		N/A	N/A	
94	555.03 DA Non-asset Energy Amount		N/A	N/A	
95	555.09 RT Asset Energy Amount***		N/A	N/A	
96	555 RT Non-Asset Energy Amount		N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount		N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount		N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount		N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount		N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount		N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount		N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount		N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount		N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount		N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount		N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount		N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount		N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount		N/A	N/A	
114	555.23 Miscellaneous Amount		N/A	N/A	
115	555.26 ARR Closeout Yearly Amount		N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount		N/A	N/A	
117	555.29 RT Schedule 1A3 Amount		N/A	N/A	
118	555.30 RT Schedule 1A4 Amount		N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount		N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount		N/A	N/A	New charge type in 2022
121	555.33 RT Ramp Non Performance Distribution Amount		N/A	N/A	New charge type in 2022

122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	175,838	366,733	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	(60)	(1,600)	
166					
167		Asset Based Sales	(28,676)	(7,101)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	594,881	545,751	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	January 2023 Forecast to Actual - \$ per MWh		Notes
		January 2023 Forecast	January 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3				
4	Total Coal	\$ 26.94	\$ 22.56	...PROTECTED DATA ENDS]
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11				
12				...PROTECTED DATA ENDS]
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20				...PROTECTED DATA ENDS]
21	Total Oil - Peaking Units	\$ -	\$ -	
22		[PROTECTED DATA BEGINS...]		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25				...PROTECTED DATA ENDS]
26	Total Natural Gas	\$ 68.37	\$ 41.57	
27		[PROTECTED DATA BEGINS...]		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30				...PROTECTED DATA ENDS]
31	Total Solar	\$ -	\$ 0	
32				
33	Total OTP-Owned	\$ 95.31	\$ 64.13	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35 RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 67.55	\$ 68.62	
162					Tribal (WAPA) excluded from Total
163		Wind Curtailment	\$ 39.22	\$ 33.54	
164					
165		Asset Based Sales	\$ 125.13	\$ 45.22	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 32.26	\$ 49.86	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		February 2023 Forecast to Actual - Expense (Revenue)				
		February 2023 Forecast	February 2023 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Covote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6	Total Coal	\$ 6,990,827	\$ 2,841,230	\$ (4,149,598)	-59.36%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	\$ -	0	
14		[PROTECTED DATA BEGINS...]				
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20		[PROTECTED DATA BEGINS...]				
21	Total Oil - Peaking Units	\$ -	\$ 11	\$ 11	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26	Total Natural Gas	\$ 7,420,619	\$ 411,601	\$ (7,009,018)	-94.45%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30	Solar - Hoot Lake					
31						
32	Total Solar	\$ -	\$ -	\$ -	0	
33		[PROTECTED DATA BEGINS...]				
34	Total OTP-Owned	\$ 14,411,446	\$ 3,252,842	\$ (11,158,605)	-77.43%	
35		[PROTECTED DATA BEGINS...]				
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (241,054)	\$ (270,448)	\$ (29,394)	12.19%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 634,580	\$ 351,671	\$ (282,909)	-44.58%	
45	RT Loss Amount	\$ 40,538	\$ 89,366	\$ 48,829	120.45%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 77,224	\$ 69,884	\$ (7,340)	-9.50%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 9,963	\$ 9,466	\$ (497)	-4.98%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,885	\$ 1,856	\$ (29)	-1.52%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 471,869	\$ 1,925,546	\$ 1,453,677	308.07%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ 38,560	\$ 491,687	\$ 453,127	1175.11%	
57	555.14 FTR Hourly Allocation Amount	\$ (799,380)	\$ (2,913,169)	\$ (2,113,789)	264.43%	
58	555.15 FTR Monthly Allocation Amount	\$ (22,949)	\$ (73,036)	\$ (50,087)	218.26%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (35,194)	\$ (68,790)	\$ (33,596)	95.46%	
62	555.37 FTR Guarantee Uplift Amount	\$ 32,179	\$ 68,790	\$ 36,611	113.77%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (936,249)	\$ (7,483,097)	\$ (6,546,848)	699.26%	
64	555.38 FTR Annual Transaction Amount	\$ 932,574	\$ 7,480,579	\$ 6,548,005	702.14%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,775	\$ 9,194	\$ 4,419	92.54%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (45,139)	\$ (108,463)	\$ (63,324)	140.29%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 28,726	\$ 12,183	\$ (16,543)	-57.59%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (6,424)	\$ -	\$ 6,424	-100.00%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 13,655	\$ (47,396)	-77.63%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (18,604)	\$ 18,010	-49.19%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 14,307	\$ (95,865)	-87.01%	
74	555.25 RT Misc Amount	\$ 6,224	\$ (30,554)	\$ (36,778)	-590.89%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (8,926)	\$ (6,109)	216.92%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 36,027	\$ 4,990	\$ (31,036)	-86.15%	
78	555.63 DA Ramp Product	\$ (2,147)	\$ (369)	\$ 1,778	-82.81%	
79	555.64 RT Ramp Product	\$ (415)	\$ 89	\$ 504	-121.40%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 59,540	\$ 52,273	719.34%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 9,809	\$ 9,809	0	
88		[PROTECTED DATA BEGINS...]				
89	Total MISO Wholesale Market Charges	\$ 222,331	\$ (444,048)	\$ (666,379)	-299.72%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		[PROTECTED DATA BEGINS...]				
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ 2	\$ (181)	-99.04%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ 4	\$ (17)	-81.40%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 0	\$ (11)	-96.87%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 1	\$ (22)	-97.59%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 1	\$ (23)	-96.93%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 0	\$ (3)	-93.40%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (49,285)	\$ (16,654)	\$ 32,631	-66.21%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 0	\$ 0	-505.63%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-96.61%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1	-77.62%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (87,622)	\$ (80,788)	\$ 6,834	-7.80%	0 New charge type in 2022
112	555.21 RT Pseudo Tie Loss Amount	\$ (27,838)	\$ (10,529)	\$ 17,310	-62.18%	0 New charge type in 2022
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7	-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 0	\$ (1)	-72.04%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 1	\$ (5)	-76.59%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	0 New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	0 New charge type in 2022
120	555.33 RT Ramp Non-Performance Distribution Amount	\$ -	\$ -	\$ -	0	0 New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ (1)	\$ (12)	-113.65%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ (0)	\$ (0)	63.64%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (164,472)	\$ (107,963)	\$ 56,509	-34.36%	
127							
128		MISO ASM					
129		Day Ahead Regulation Amount	\$ (41,427)	\$ (17,783)	\$ 23,644	-57.07%	
130		Real Time Regulation Amount	\$ (17,825)	\$ (774)	\$ 17,051	-95.66%	
131		Regulation Cost Distribution Amount	\$ 26,631	\$ 21,286	\$ (5,345)	-20.07%	
132		Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (1,479)	\$ 19,352	-92.90%	
133		Real Time Short-Term Reserve Amount	\$ 980	\$ 152	\$ (829)	-84.54%	
134		Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 1,601	\$ (7,467)	-82.34%	
135		Day Ahead Spinning Reserve Amount	\$ (32,201)	\$ (5,833)	\$ 26,368	-81.88%	
136		Real Time Spinning Reserve Amount	\$ 3,772	\$ 1,835	\$ (1,938)	-51.37%	
137		Spinning Reserve Cost Distribution Amount	\$ 21,883	\$ 12,192	\$ (9,691)	-44.29%	
138		Day Ahead Supplemental Reserve Amount	\$ (66,115)	\$ (5,337)	\$ 60,778	-91.93%	
139		Real Time Supplemental Reserve Amount	\$ 8,850	\$ 2,437	\$ (6,413)	-72.46%	
140		Supplemental Reserve Cost Distribution Amount	\$ 20,210	\$ 2,478	\$ (17,732)	-87.74%	
141		Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 1,719	\$ (732)	-29.86%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
144		Net Regulation Adjustment Amount	\$ 1,440	\$ 1,100	\$ (339)	-23.57%	
145		Total MISO ASM	\$ (83,088)	\$ 13,593	\$ 96,681	-116.36%	
146							
147		Total Wholesale Market Charges	\$ (25,229)	\$ (538,418)	\$ (513,189)	2034.12%	
148							
149							
150		Purchased Power					
151			(PROTECTED DATA BEGINS...				
152		Edgeley PPA					
153		Langdon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 6,122,185	\$ 10,907,999	\$ 4,785,814	78.17%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 476	\$ (20,819)	\$ (21,295)	-4477.95%	
165							
166		Asset Based Sales	\$ (3,887,422)	\$ (210,650)	\$ 3,676,772	-94.58%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (1,665,289)	\$ (421,160)	\$ 1,244,129	-74.71%	
168		Asset Based Margins	\$ (2,222,134)	\$ 210,510	\$ 2,432,643	-109.47%	
169							
170		Hoot Lake Solar Generation Credit	\$ -	\$ (20,429)	\$ (20,429)	0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 314,682	\$ 111,737	\$ (202,945)	(1)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (90,490)	\$ (67,672)	\$ 22,818	(0)	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ (778,000)	\$ (739,380)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 16,067,648	\$ 12,675,210	\$ (3,392,438)	-21.11%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

February 2023 Forecast to Actual - MWH					
Line	Plant Generation	February 2023	February 2023	Notes	
		Forecast	Actual		
1	Bij Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5					
6	Total Coal	269,705	105,823	...PROTECTED DATA ENDS]	
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula III				
11	Luverne Wind				
12	Merricourt				
13					
14	Total Wind and Solar	121,035	85,963	...PROTECTED DATA ENDS]	
15					
16	Total Hydro	1,534	720		
17		[PROTECTED DATA BEGINS...]			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21					
22	Total Oil - Peaking Units	-	-	...PROTECTED DATA ENDS]	
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26					
27	Total Natural Gas	111,631	12,567	...PROTECTED DATA ENDS]	
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32					
33	Total Solar	-	252	...PROTECTED DATA ENDS]	
34					
35	Total OTP-Owned	493,905	205,325		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***	N/A	N/A		
40	555.04 DA FBT Loss Amount	N/A	N/A		
41	555.09 DA Non-asset Energy Amount***	N/A	N/A		
42	555.19 RT Asset Energy Amount***	N/A	N/A		
43	555.24 RT Distribution of Losses Amount	N/A	N/A		
44	555.21 RT FBT Loss Amount	N/A	N/A		
45	DA Loss Amount	N/A	N/A		
46	RT Loss Amount	N/A	N/A		
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
49	555.12 DA Virtual Energy Amount	N/A	N/A		
50	555.32 RT Virtual Energy Amount	N/A	N/A		
51	555.01 DA Mkt Admin Amount	N/A	N/A		
52	555.18 RT Mkt Admin Amount	N/A	N/A		
53	555.13 FTR Mkt Admin Amount	N/A	N/A		
54	555.03 DA FBT Congestion Amount	N/A	N/A		
55	DA Congestion	N/A	N/A		
56	555.2 RT FBT Congestion Amount	N/A	N/A		
57	RT Congestion	N/A	N/A		
58	555.14 FTR Hourly Allocation Amount	N/A	N/A		
59	555.15 FTR Monthly Allocation Amount	N/A	N/A		
60	555.17 FTR Yearly Allocation Amount	N/A	N/A		
61	555.35 FTR Monthly Transaction Amount	N/A	N/A		
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65	555.38 FTR Annual Transaction Amount	N/A	N/A		
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
75	555.25 RT Misc Amount	N/A	N/A		
76	555.27 RT Net Inadvertent Amount	N/A	N/A		
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.63 DA Ramp Product	N/A	N/A		
80	555.64 RT Ramp Product	N/A	N/A		
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
84	555.05 DA Congestion Rebate on COGA	N/A	N/A		
85	555.06 DA Losses Rebate on COGA	N/A	N/A		
86	555.22 RT Congestion Rebate on COGA	N/A	N/A		
87	555.23 RT Loss Rebate on COGA	N/A	N/A		
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***	N/A	N/A		
94	555.03 DA Non-asset Energy Amount	N/A	N/A		
95	555.09 RT Asset Energy Amount***	N/A	N/A		
96	555 RT Non-Asset Energy Amount	N/A	N/A		
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
114	555.23 Miscellaneous Amount	N/A	N/A		
115	555.26 ARR Closeout Yearly Amount	N/A	N/A		
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
117	555.29 RT Schedule 1A3 Amount	N/A	N/A		
118	555.30 RT Schedule 1A4 Amount	N/A	N/A		
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
121	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022

122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	89,682	334,229	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	12	(630)	
166					
167		Asset Based Sales	(42,909)	(17,385)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	626,508	521,539	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	February 2023 Forecast to Actual - \$ per MWh		Notes
		February 2023 Forecast	February 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote	[PROTECTED DATA BEGINS...]		
3		[PROTECTED DATA BEGINS...]		
4	Total Coal	\$ 26.92	\$ 26.85	...
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind	[PROTECTED DATA BEGINS...]		
7	Ashtabula Wind	[PROTECTED DATA BEGINS...]		
8	Ashtabula III	[PROTECTED DATA BEGINS...]		
9	Luverne Wind	[PROTECTED DATA BEGINS...]		
10	Merricourt	[PROTECTED DATA BEGINS...]		
11	Hoot Lake Solar	[PROTECTED DATA BEGINS...]		
12		[PROTECTED DATA BEGINS...]		
13	Total Wind	\$ -	\$ -	...
14		[PROTECTED DATA BEGINS...]		
15	Total Hydro	\$ -	\$ -	...
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1	[PROTECTED DATA BEGINS...]		
18	Jamestown 2	[PROTECTED DATA BEGINS...]		
19	Lake Preston	[PROTECTED DATA BEGINS...]		
20		[PROTECTED DATA BEGINS...]		
21	Total Oil - Peaking Units	\$ -	\$ -	...
22		[PROTECTED DATA BEGINS...]		
23	Natural gas - Solway	[PROTECTED DATA BEGINS...]		
24	Natural gas - Astoria	[PROTECTED DATA BEGINS...]		
25		[PROTECTED DATA BEGINS...]		
26	Total Natural Gas	\$ 66.47	\$ 32.75	...
27		[PROTECTED DATA BEGINS...]		
28	Solar - Blue Jay	[PROTECTED DATA BEGINS...]		
29	Solar - Blue Heron	[PROTECTED DATA BEGINS...]		
30		[PROTECTED DATA BEGINS...]		
31	Total Solar	\$ -	\$ 0	...
32		[PROTECTED DATA BEGINS...]		
33	Total OTP-Owned	\$ 93.39	\$ 59.60	...
34		[PROTECTED DATA BEGINS...]		
35	Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
36	MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87		[PROTECTED DATA BEGINS...]		
88	Total MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
89		[PROTECTED DATA BEGINS...]		
90	SPP Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation-Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35 RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 68.27	\$ 32.64	...PROTECTED DATA ENDS]
162					Tribal (WAPA) excluded from Total
163		Wind Curtailment	\$ 39.22	\$ 33.05	
164					
165		Asset Based Sales	\$ 90.60	\$ 12.12	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 25.65	\$ 24.30	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

March 2023 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	March 2023 Forecast	March 2023 Actual				
1	1a Stone	[PROTECTED DATA BEGINS...]					
2	Coyote						
3	Hoot Lake #2						Hoot Lake plant closed in May 2021
4	Hoot Lake #3						
5							
6	Total Coal	\$ 6,420,714	\$ 4,418,984	\$ (2,001,731)		-31.18%	
7		[PROTECTED DATA BEGINS...]					
8	Langdon Wind						
9	Ashitabula Wind						
10	Luverne Wind						
11	Merricourt						
12							
13	Total Wind	\$ -	\$ -	\$ -		0	
14							
15	Total Hydro	\$ -	\$ -	\$ -		0	
16		[PROTECTED DATA BEGINS...]					
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20							
21	Total Oil - Peaking Units	\$ -	\$ 8,360	\$ 8,360		0	
22		[PROTECTED DATA BEGINS...]					
23	Natural gas - Solway						
24	Natural gas - Astoria						
25							
26	Total Natural Gas	\$ 654,687	\$ 592,980	\$ (61,707)		-9.43%	
27		[PROTECTED DATA BEGINS...]					
28	Solar - Blue Jay						
29	Solar - Blue Heron						
30	Solar - Hoot Lake						
31							
32	Total Solar	\$ -	\$ -	\$ -		0	
33							
34	Total OTP-Owned	\$ 7,075,401	\$ 5,020,324	\$ (2,055,077)		-29.05%	
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -		0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (235,471)	\$ (285,138)	\$ (49,667)		21.09%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0	
44	DA Loss Amount	\$ 619,883	\$ 570,870	\$ (49,013)		-7.91%	
45	RT Loss Amount	\$ 39,599	\$ 120,333	\$ 80,734		203.88%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -		0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -		0	
50	555.01 DA Mkt Admin Amount	\$ 69,107	\$ 66,795	\$ (2,322)		-3.36%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 11,289	\$ 8,480	\$ (2,809)		-24.88%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,921	\$ 1,421	\$ (500)		-26.02%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -		0	
54	DA Congestion	\$ 460,940	\$ 2,920,361	\$ 2,459,421		533.57%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0	
56	RT Congestion	\$ 37,667	\$ 98,843	\$ 61,176		162.41%	
57	555.14 FTR Hourly Allocation Amount	\$ (780,866)	\$ (4,184,004)	\$ (3,403,138)		435.82%	
58	555.15 FTR Monthly Allocation Amount	\$ (22,417)	\$ (200,554)	\$ (178,137)		794.65%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -		0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -		0	
61	555.36 FTR Full Funding Guarantee Amount	\$ 34,884	\$ (151,199)	\$ (186,084)		-533.43%	
62	555.37 FTR Guarantee Uplift Amount	\$ (33,924)	\$ 151,199	\$ 185,124		-545.70%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (1,004,967)	\$ (6,230,968)	\$ (5,226,001)		520.02%	
64	555.38 FTR Annual Transaction Amount	\$ 1,003,431	\$ 6,216,353	\$ 5,212,923		519.51%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 8,657	\$ 31,407	\$ 22,750		262.81%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (38,241)	\$ (115,534)	\$ (77,293)		202.12%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ (0)	\$ -	\$ -		-100.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 13,922	\$ 16,020	\$ 2,098		15.07%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (2,947)	\$ (10,745)	\$ (7,798)		264.66%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 10,141	\$ (50,910)		-83.39%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831		-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (14,625)	\$ 21,989		-60.06%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 298,200	\$ 188,028		170.67%	
74	555.25 RT Misc Amount	\$ 6,224	\$ (473)	\$ (6,697)		-107.60%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (169)	\$ 2,648		-94.01%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -		0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 16,770	\$ (54)	\$ (16,824)		-100.32%	
78	555.63 DA Ramp Product	\$ (4,145)	\$ (1,099)	\$ 3,047		-73.49%	
79	555.64 RT Ramp Product	\$ (879)	\$ 218	\$ 1,097		-124.78%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 28,120	\$ 20,853		286.96%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -		0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -		0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 75,948	\$ 75,948		0	
88							
89	Total MISO Wholesale Market Charges	\$ 203,347	\$ (656,547)	\$ (859,895)		-422.87%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -		0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -		0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -		0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ 0	\$ (183)		-99.92%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -		0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ 3	\$ (18)		-86.35%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 0	\$ (11)		-98.98%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 0	\$ (23)		-98.60%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 0	\$ (24)		-98.92%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 0	\$ (3)		-98.90%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ -		-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (48,144)	\$ (17,669)	\$ 30,475		-63.30%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ (0)	\$ (0)		576.06%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 0		-113.56%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1		-87.95%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0		-97.51%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (85,593)	\$ 250,219	\$ 335,812		-392.34%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (27,193)	\$ 14,080	\$ 41,273		-151.78%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ (1)	\$ 6		-85.39%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -		0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 0	\$ (1)		-93.88%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 0	\$ (6)		-95.59%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ (0)	\$ (11)	-102.86%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ -	\$ -	0	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (160,656)	\$ 246,633	\$ 407,289	-253.52%	
127							
128		MISO ASM					
129		Day Ahead Regulation Amount	\$ (50,733)	\$ (40,731)	\$ 10,002	-19.72%	
130		Real Time Regulation Amount	\$ (584)	\$ (7,903)	\$ (7,319)	1252.67%	
131		Regulation Cost Distribution Amount	\$ 21,629	\$ 22,716	\$ 1,086	5.02%	
132		Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (2,873)	\$ 17,957	-86.21%	
133		Real Time Short-Term Reserve Amount	\$ 880	\$ (27)	\$ (1,007)	-102.75%	
134		Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 2,157	\$ (6,912)	-76.22%	
135		Day Ahead Spinning Reserve Amount	\$ (35,490)	\$ (13,196)	\$ 22,294	-62.82%	
136		Real Time Spinning Reserve Amount	\$ 8,336	\$ (3,393)	\$ (11,729)	-140.71%	
137		Spinning Reserve Cost Distribution Amount	\$ 19,248	\$ 14,016	\$ (5,232)	-27.18%	
138		Day Ahead Supplemental Reserve Amount	\$ (13,571)	\$ (2,745)	\$ 10,826	-79.77%	
139		Real Time Supplemental Reserve Amount	\$ 3,487	\$ 1,787	\$ (1,700)	-48.76%	
140		Supplemental Reserve Cost Distribution Amount	\$ 2,101	\$ 1,791	\$ (309)	-14.73%	
141		Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 6,940	\$ 4,489	183.13%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
144		Net Regulation Adjustment Amount	\$ 1,440	\$ (513)	\$ (1,953)	-135.65%	
145		Total MISO ASM	\$ (52,446)	\$ (21,976)	\$ 30,470	-58.10%	
146							
147		Total Wholesale Market Charges	\$ (9,754)	\$ (431,891)	\$ (422,136)	4327.62%	
148							
149							
150		Purchased Power					
151			[PROTECTED DATA BEGINS...]				
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 8,073,487	\$ 7,959,176	\$ (114,312)	-1.42%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ (750)	\$ 60,282	\$ 61,031	-8138.75%	
165							
166		Asset Based Sales	\$ (173,827)	\$ (1,044,363)	\$ (870,536)	500.81%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (93,278)	\$ (859,798)	\$ (766,519)	821.76%	
168		Asset Based Margins	\$ (80,549)	\$ (184,566)	\$ (104,017)	129.13%	
169							
170		Hoot Lake Solar Generation Credit	\$ -	\$ 9,914	\$ 9,914	0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 285,065	\$ 219,730	\$ (65,335)	\$ (0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (67,693)	\$ (82,927)	\$ (15,234)	\$ 0	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ (778,000)	\$ (792,069)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 14,403,929	\$ 10,918,174	\$ (3,485,755)	-24.20%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

March 2023 Forecast to Actual - MWH				
		March 2023 Forecast	March 2023 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...		Notes
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5			...PROTECTED DATA ENDS]	
6		Total Coal	229,987	163,666
7		[PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula III			
11	Luverne Wind			
12	Merricourt			
13			...PROTECTED DATA ENDS]	
14		Total Wind and Solar	111,173	96,340
15				
16		Total Hydro	1,699	585
17		[PROTECTED DATA BEGINS...		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22		Total Oil - Peaking Units	-	-
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27		Total Natural Gas	12,754	20,292
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33		Total Solar	-	372
34				
35		Total OTP-Owned	355,613	281,255
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	New charge type in 2022
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	New charge type in 2022
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
121	555.33 RT Ramp Non-Performance Distribution Amount	N/A	N/A	New charge type in 2022

122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	175,449	295,178	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	(19)	1,537	
166					
167		Asset Based Sales	(3,200)	(36,150)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	527,842	541,820	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	March 2023 Forecast to Actual - \$ per MWh		Notes
		March 2023 Forecast	March 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote	[PROTECTED DATA BEGINS...		
3		...PROTECTED DATA ENDS]		
4	Total Coal	\$ 27.92	\$ 27.00	
5		[PROTECTED DATA BEGINS...		
6	Langdon Wind	[PROTECTED DATA BEGINS...		
7	Ashtabula Wind	[PROTECTED DATA BEGINS...		
8	Ashtabula III	[PROTECTED DATA BEGINS...		
9	Luverne Wind	[PROTECTED DATA BEGINS...		
10	Merricourt	[PROTECTED DATA BEGINS...		
11		...PROTECTED DATA ENDS]		
12	Total Wind	\$ -	\$ -	
13		[PROTECTED DATA BEGINS...		
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...		
16	Jamestown 1	[PROTECTED DATA BEGINS...		
17	Jamestown 2	[PROTECTED DATA BEGINS...		
18	Lake Preston	[PROTECTED DATA BEGINS...		
19		...PROTECTED DATA ENDS]		
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...		
22	Natural gas - Solway	[PROTECTED DATA BEGINS...		
23	Natural gas - Astoria	[PROTECTED DATA BEGINS...		
24		...PROTECTED DATA ENDS]		
25	Total Natural Gas	\$ 51.33	\$ 29.22	
26		[PROTECTED DATA BEGINS...		
27	Solar - Blue Jay	[PROTECTED DATA BEGINS...		
28	Solar - Blue Heron	[PROTECTED DATA BEGINS...		
29	Hoot Lake Solar	[PROTECTED DATA BEGINS...		
30		...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ 0	
32		[PROTECTED DATA BEGINS...		
33	Total OTP-Owned	\$ 79.25	\$ 56.22	
34		[PROTECTED DATA BEGINS...		
35	Wholesale Market Charges	[PROTECTED DATA BEGINS...		
36	MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...		
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87		[PROTECTED DATA BEGINS...		
88	Total MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...		
89		[PROTECTED DATA BEGINS...		
90	SPP Wholesale Market Charges	[PROTECTED DATA BEGINS...		
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35 RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 46.02	\$ 26.96	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.22	
164					
165		Asset Based Sales	\$ 54.32	\$ 28.89	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 27.29	\$ 20.15	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

April 2023 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	April 2023 Forecast	April 2023 Actual				
1	1a Stone	[PROTECTED DATA BEGINS...]					
2	Coyote						
3	Hoot Lake #2						Hoot Lake plant closed in May 2021
4	Hoot Lake #3						
5						[...PROTECTED DATA ENDS]	
6	Total Coal	\$ 5,159,590	\$ 2,724,439	\$ (2,435,152)		-47.20%	
7		[PROTECTED DATA BEGINS...]					
8	Langdon Wind						
9	Ashitubla Wind						
10	Luverne Wind						
11	Merricourt						
12						[...PROTECTED DATA ENDS]	
13	Total Wind	\$ -	\$ -	\$ -		0	
14							
15	Total Hydro	\$ -	\$ -	\$ -		0	
16		[PROTECTED DATA BEGINS...]					
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20						[...PROTECTED DATA ENDS]	
21	Total Oil - Peaking Units	\$ -	\$ 5,921	\$ 5,921		0	
22		[PROTECTED DATA BEGINS...]					
23	Natural gas - Solway						
24	Natural gas - Astoria						
25						[...PROTECTED DATA ENDS]	
26	Total Natural Gas	\$ 1,693,444	\$ 748,992	\$ (944,452)		-55.77%	
27		[PROTECTED DATA BEGINS...]					
28	Solar - Blue Jay						
29	Solar - Blue Heron						
30	Solar - Hoot Lake						
31						[...PROTECTED DATA ENDS]	
32	Total Solar	\$ -	\$ -	\$ -		0	
33							
34	Total OTP-Owned	\$ 6,853,034	\$ 3,479,352	\$ (3,373,683)		-49.23%	
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -		0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (209,055)	\$ (163,985)	\$ 45,071		-21.56%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0	
44	DA Loss Amount	\$ 550,344	\$ 449,038	\$ (101,305)		-18.41%	
45	RT Loss Amount	\$ 35,157	\$ 81,913	\$ 46,757		133.00%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -		0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -		0	
50	555.01 DA Mkt Admin Amount	\$ 83,822	\$ 63,957	\$ (19,865)		-23.70%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 11,553	\$ 9,507	\$ (2,047)		-17.71%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,808	\$ 1,584	\$ (1,224)		-43.59%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -		0	
54	DA Congestion	\$ 409,231	\$ 2,321,066	\$ 1,911,835		467.18%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0	
56	RT Congestion	\$ 33,442	\$ 276,928	\$ 243,486		728.09%	
57	555.14 FTR Hourly Allocation Amount	\$ (693,268)	\$ (4,371,655)	\$ (3,678,387)		530.59%	
58	555.15 FTR Monthly Allocation Amount	\$ (19,902)	\$ (241,264)	\$ (221,362)		1112.24%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -		0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -		0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (61,209)	\$ (231,102)	\$ (169,893)		277.56%	
62	555.37 FTR Guarantee Uplift Amount	\$ 60,489	\$ 227,412	\$ 166,923		275.96%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (314,545)	\$ (6,230,968)	\$ (5,916,423)		1880.95%	
64	555.38 FTR Annual Transaction Amount	\$ 314,512	\$ 6,216,353	\$ 5,901,842		1876.51%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,660	\$ 31,407	\$ 29,747		1791.72%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (23,617)	\$ (115,534)	\$ (91,917)		389.19%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,013	\$ 7,954	\$ (58)		-0.73%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (5,379)	\$ (3,345)	\$ 2,034		-37.82%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 4,863	\$ (56,188)		-92.03%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831		-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (18,140)	\$ 18,474		-50.46%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 192,351	\$ 82,179		74.59%	
74	555.25 RT Misc Amount	\$ 6,224	\$ (42)	\$ (6,266)		-100.67%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (11,520)	\$ (8,704)		309.04%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -		0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 2,759	\$ 3,037	\$ 278		10.08%	
78	555.63 DA Ramp Product	\$ (970)	\$ (1,517)	\$ (546)		56.32%	
79	555.64 RT Ramp Product	\$ (213)	\$ 363	\$ 575		-270.68%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 29,628	\$ 22,361		307.71%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -		0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -		0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ (201,270)	\$ (201,270)		0	
88							
89	Total MISO Wholesale Market Charges	\$ 178,900	\$ (1,748,026)	\$ (1,926,925)		-1077.10%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -		0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -		0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -		0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ -	\$ (183)		-100.00%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -		0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ -	\$ (21)		-100.00%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ -	\$ (11)		-100.00%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ -	\$ (23)		-100.00%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ -	\$ (24)		-100.00%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ -	\$ (3)		-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0		-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (42,743)	\$ (16,848)	\$ 25,895		-60.58%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1		-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (75,991)	\$ 106,176	\$ 182,167		-239.72%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (24,143)	\$ 1,314	\$ 25,457		-105.44%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7		-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -		0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ -	\$ (1)		-100.00%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ -	\$ (6)		-100.00%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ -	\$ (10)	-100.00%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ -	\$ 0	-100.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (142,603)	\$ 90,643	\$ 233,246	-163.56%	
127							
128		MISO ASM					
129		Day Ahead Regulation Amount	\$ (48,175)	\$ (34,953)	\$ 13,223	-27.45%	
130		Real Time Regulation Amount	\$ 10,554	\$ (14,344)	\$ (24,897)	-235.92%	
131		Regulation Cost Distribution Amount	\$ 16,785	\$ 17,430	\$ 645	3.84%	
132		Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (21,131)	\$ (300)	1.44%	
133		Real Time Short-Term Reserve Amount	\$ 880	\$ 1,830	\$ 849	86.65%	
134		Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 8,933	\$ (135)	-1.49%	
135		Day Ahead Spinning Reserve Amount	\$ (21,842)	\$ (16,982)	\$ 4,860	-22.25%	
136		Real Time Spinning Reserve Amount	\$ 5,947	\$ (3,642)	\$ (9,589)	-161.25%	
137		Spinning Reserve Cost Distribution Amount	\$ 13,808	\$ 16,317	\$ 2,510	18.18%	
138		Day Ahead Supplemental Reserve Amount	\$ (12,537)	\$ (5,164)	\$ 7,373	-58.81%	
139		Real Time Supplemental Reserve Amount	\$ 7,665	\$ 3,900	\$ (3,765)	-49.12%	
140		Supplemental Reserve Cost Distribution Amount	\$ 2,126	\$ 1,375	\$ (751)	-35.34%	
141		Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 7,440	\$ 4,989	203.54%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144		Net Regulation Adjustment Amount	\$ 1,440	\$ 479	\$ (960)	-66.70%	
145		Total MISO ASM	\$ (32,537)	\$ (38,511)	\$ (5,974)	18.36%	
146							
147		Total Wholesale Market Charges	\$ 3,760	\$ (1,695,894)	\$ (1,699,654)	-45207.40%	
148							
149							
150		Purchased Power					
151			[PROTECTED DATA BEGINS...				
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161					...PROTECTED DATA ENDS]		
162		Total Purchases	\$ 4,219,808	\$ 4,576,288	\$ 356,480	8.45%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 23,005	\$ (28,301)	\$ (51,306)	-223.03%	
165							
166		Asset Based Sales	\$ (1,217,963)	\$ (551,257)	\$ 666,706	-54.74%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (589,177)	\$ (488,187)	\$ 100,990	-17.14%	
168		Asset Based Margins	\$ (628,787)	\$ (63,070)	\$ 565,717	-89.97%	
169							
170		Hoot Lake Solar Generation Credit	\$ -	\$ (17,471)	\$ (17,471)	0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 236,202	\$ 130,922	\$ (105,280)	(0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (39,951)	\$ (41,854)	\$ (1,903)	0	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ (778,000)	\$ (715,476)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 9,299,894	\$ 5,136,309	\$ (4,163,585)	-44.77%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

Line	Plant Generation	April 2023 Forecast to Actual - Expense (Revenue)		Notes
		April 2023 Forecast	April 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5			...PROTECTED DATA ENDS]	
6	Total Coal	210,223	106,043	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula II			
11	Luverne Wind			
12	Merricourt			
13			...PROTECTED DATA ENDS]	
14	Total Wind and Solar	113,352	204,134	
15				
16	Total Hydro	1,544	906	
17		[PROTECTED DATA BEGINS...]		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27	Total Natural Gas	49,432	26,381	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33	Total Solar	-	626	
34				
35	Total OTP-Owned	374,651	338,090	
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162					
163		Total Purchases	116,111	196,898	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	587	(722)	
166					
167		Asset Based Sales	(22,323)	(21,128)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	469,025	513,139	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		April 2023 Forecast to Actual - Expense (Revenue)		Notes
		April 2023 Forecast	April 2023 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3			...PROTECTED DATA ENDS]	
4	Total Coal	\$ 24.54	\$ 25.69	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11			...PROTECTED DATA ENDS]	
12	Total Wind	\$ -	\$ -	
13				
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1			
17	Jamestown 2			
18	Lake Preston			
19			...PROTECTED DATA ENDS]	
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway			
23	Natural gas - Astoria			
24			...PROTECTED DATA ENDS]	
25	Total Natural Gas	\$ 34.26	\$ 28.39	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay			
28	Solar - Blue Heron			
29	Solar - Hoot Lake			
30			...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ 0	
32				
33	Total OTP-Owned	\$ 58.80	\$ 54.08	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 36.34	\$ 23.24	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.22	
164					
165		Asset Based Sales	\$ 54.56	\$ 26.09	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.83	\$ 10.01	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

May 2023 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	May 2023 Forecast	May 2023 Actual				
1	1st Stone	[PROTECTED DATA BEGINS...]					
2	Coyote						
3	Hoot Lake #2						Hoot Lake plant closed in May 2021 - removal of fuel remaining before deconstruction
4	Hoot Lake #3						
5						...[PROTECTED DATA ENDS]	
6	Total Coal	\$ 4,971,146	\$ 4,086,034	\$ (885,113)		-17.81%	
7		[PROTECTED DATA BEGINS...]					
8	Langdon Wind						
9	Ashtabula Wind						
10	Luverne Wind						
11	Merricourt						
12						...[PROTECTED DATA ENDS]	
13	Total Wind	\$ -	\$ -	\$ -		0	
14							
15	Total Hydro	\$ -	\$ -	\$ -		0	
16		[PROTECTED DATA BEGINS...]					
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20						...[PROTECTED DATA ENDS]	
21	Total Oil - Peaking Units	\$ -	\$ 3,951	\$ 3,951		0	
22		[PROTECTED DATA BEGINS...]					
23	Natural gas - Solway						
24	Natural gas - Astoria						
25						...[PROTECTED DATA ENDS]	
26	Total Natural Gas	\$ 1,610,721	\$ 1,241,776	\$ (368,945)		-22.91%	
27		[PROTECTED DATA BEGINS...]					
28	Solar - Blue Jay						
29	Solar - Blue Heron						
30	Solar - Hoot Lake						
31						...[PROTECTED DATA ENDS]	
32	Total Solar	\$ -	\$ -	\$ -		0	
33							
34	Total OTP-Owned	\$ 6,581,867	\$ 5,331,761	\$ (1,250,107)		-18.99%	
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -		0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (197,220)	\$ (76,886)	\$ 120,334		-61.01%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0	
44	DA Loss Amount	\$ 519,186	\$ 582,354	\$ 63,168		12.17%	
45	RT Loss Amount	\$ 33,166	\$ 5,247	\$ (27,919)		-84.18%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -		0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -		0	
50	555.01 DA Mkt Admin Amount	\$ 81,288	\$ 73,622	\$ (7,666)		-9.43%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 8,486	\$ 9,510	\$ 1,045		12.34%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,378	\$ 1,851	\$ (528)		-22.19%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -		0	
54	DA Congestion	\$ 386,063	\$ 1,502,213	\$ 1,116,149		289.11%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0	
56	RT Congestion	\$ 31,548	\$ 40,749	\$ 9,201		29.16%	
57	555.14 FTR Hourly Allocation Amount	\$ (654,019)	\$ (2,623,483)	\$ (1,969,465)		301.13%	
58	555.15 FTR Monthly Allocation Amount	\$ (18,776)	\$ (178,686)	\$ (159,911)		851.69%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -		0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -		0	
61	555.36 FTR Full Funding Guarantee Amount	\$ 19,934	\$ (104,674)	\$ (124,608)		-625.11%	
62	555.37 FTR Guarantee Uplift Amount	\$ (20,894)	\$ 67,648	\$ 88,542		-423.77%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (314,545)	\$ (6,230,968)	\$ (5,916,423)		1880.95%	
64	555.38 FTR Annual Transaction Amount	\$ 314,512	\$ 6,216,353	\$ 5,901,842		1876.51%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,660	\$ 31,407	\$ 29,747		1791.72%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (23,617)	\$ (115,534)	\$ (91,917)		389.19%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 9,470	\$ 9,268	\$ (202)		-2.13%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (3,024)	\$ (5,608)	\$ (2,583)		85.42%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 13,355	\$ (47,696)		-78.12%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831		-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (36,945)	\$ (331)		0.90%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 58,473	\$ (51,699)		-46.93%	
74	555.25 RT Misc Amount	\$ 6,224	\$ 1,977	\$ (4,247)		-68.24%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ 4,720	\$ 7,537		-267.61%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -		0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 4,871	\$ (7)	\$ (4,878)		-100.15%	
78	555.63 DA Ramp Product	\$ (341)	\$ (2,635)	\$ (2,294)		672.23%	
79	555.64 RT Ramp Product	\$ 25	\$ (2,350)	\$ (2,375)		-9682.39%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 25,579	\$ 18,312		251.99%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -		0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -		0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 60,122	\$ 60,122		0	
88							
89	Total MISO Wholesale Market Charges	\$ 179,451	\$ (758,311)	\$ (937,763)		-522.57%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -		0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -		0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -		0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ 20	\$ (164)		-89.31%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -		0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ 14	\$ (7)		-35.36%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 1	\$ (10)		-88.48%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 7	\$ (16)		-69.91%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 10	\$ (14)		-59.15%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 1	\$ (2)		-66.62%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0		-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (40,323)	\$ (10,704)	\$ 29,619		-73.46%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 0	\$ 0		-201.41%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ (0)		1.69%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ 0	\$ 1		-127.55%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ 0	\$ 1		-162.37%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0		-93.48%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (71,689)	\$ (2,810)	\$ 68,878		-96.08%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (22,776)	\$ (8,974)	\$ 13,802		-60.60%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ 1	\$ 8		-109.87%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -		0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 1	\$ 0		19.69%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 6	\$ (0)		-0.58%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ 0	\$ 0		0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ (0)	\$ (0)		0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ (1)	\$ (1)	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ (8)	\$ (19)	-177.89%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ (0)	\$ (0)	900.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (134,614)	\$ (22,437)	\$ 112,078	-83.32%	
127							
128		MISO ASM					
129		Day Ahead Regulation Amount	\$ (17,021)	\$ (85,534)	\$ (68,513)	402.53%	
130		Real Time Regulation Amount	\$ (2,488)	\$ (11,688)	\$ (9,200)	369.70%	
131		Regulation Cost Distribution Amount	\$ 15,117	\$ 20,697	\$ 5,579	36.91%	
132		Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (26,062)	\$ (5,231)	25.11%	
133		Real Time Short-Term Reserve Amount	\$ 880	\$ 312	\$ (669)	-68.21%	
134		Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 21,028	\$ 11,960	131.88%	
135		Day Ahead Spinning Reserve Amount	\$ (20,882)	\$ (36,433)	\$ (15,551)	74.47%	
136		Real Time Spinning Reserve Amount	\$ 3,644	\$ 2,013	\$ (1,631)	-44.76%	
137		Spinning Reserve Cost Distribution Amount	\$ 14,360	\$ 19,022	\$ 4,663	32.47%	
138		Day Ahead Supplemental Reserve Amount	\$ (17,491)	\$ (14,582)	\$ 2,909	-16.63%	
139		Real Time Supplemental Reserve Amount	\$ 4,792	\$ 5,476	\$ 684	14.28%	
140		Supplemental Reserve Cost Distribution Amount	\$ 2,172	\$ 2,329	\$ 157	7.25%	
141		Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 21,027	\$ 18,576	757.82%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
144		Net Regulation Adjustment Amount	\$ 1,440	\$ 6,526	\$ 5,086	353.25%	
145		Total MISO ASM	\$ (24,664)	\$ (75,869)	\$ (51,205)	207.61%	
146							
147		Total Wholesale Market Charges	\$ 20,273	\$ (856,616)	\$ (876,890)	-4325.35%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 4,124,292	\$ 1,660,088	\$ (2,464,205)	-59.75%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ (19,978)	\$ 67,367	\$ 87,345	-437.21%	
165							
166		Asset Based Sales	\$ (1,311,805)	\$ (1,307,597)	\$ 4,208	-0.32%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (633,115)	\$ (1,031,734)	\$ (398,619)	62.96%	
168		Asset Based Margins	\$ (678,690)	\$ (275,864)	\$ 402,826	-59.35%	
169							
170		Hoot Lake Solar Generation Credit	\$ -	\$ (51,901)	\$ (51,901)	0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 222,831	\$ 181,664	\$ (41,166)	\$ (0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (42,581)	\$ (49,355)	\$ (6,774)	\$ 0	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ (778,000)	\$ (843,239)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 8,796,900	\$ 4,132,171	\$ (4,664,729)	-53.03%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

May 2023 Forecast to Actual - Expense (Revenue)					
Line	Plant Generation	May 2023 Forecast	May 2023 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2			Hoot Lake plant closed in May 2021	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	193,942	150,360		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula II				
11	Luverne Wind				
12	Merricourt				
13		...PROTECTED DATA ENDS]			
14	Total Wind and Solar	101,001	102,625		
15					
16	Total Hydro	1,699	1,384		
17		[PROTECTED DATA BEGINS...]			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	-	-		
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	50,228	49,589		
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32		...PROTECTED DATA ENDS]			
33	Total Solar	-	1,344		
34					
35	Total OTP-Owned	346,870	304,302		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***	N/A	N/A		
40	555.04 DA FBT Loss Amount	N/A	N/A		
41	555.09 DA Non-asset Energy Amount***	N/A	N/A		
42	555.19 RT Asset Energy Amount***	N/A	N/A		
43	555.24 RT Distribution of Losses Amount	N/A	N/A		
44	555.21 RT FBT Loss Amount	N/A	N/A		
45	DA Loss Amount	N/A	N/A		
46	RT Loss Amount	N/A	N/A		
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
49	555.12 DA Virtual Energy Amount	N/A	N/A		
50	555.32 RT Virtual Energy Amount	N/A	N/A		
51	555.01 DA Mkt Admin Amount	N/A	N/A		
52	555.18 RT Mkt Admin Amount	N/A	N/A		
53	555.13 FTR Mkt Admin Amount	N/A	N/A		
54	555.03 DA FBT Congestion Amount	N/A	N/A		
55	DA Congestion	N/A	N/A		
56	555.2 RT FBT Congestion Amount	N/A	N/A		
57	RT Congestion	N/A	N/A		
58	555.14 FTR Hourly Allocation Amount	N/A	N/A		
59	555.15 FTR Monthly Allocation Amount	N/A	N/A		
60	555.17 FTR Yearly Allocation Amount	N/A	N/A		
61	555.35 FTR Monthly Transaction Amount	N/A	N/A		
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65	555.38 FTR Annual Transaction Amount	N/A	N/A		
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
75	555.25 RT Misc Amount	N/A	N/A		
76	555.27 RT Net Inadvertent Amount	N/A	N/A		
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.63 DA Ramp Product	N/A	N/A		
80	555.64 RT Ramp Product	N/A	N/A		
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
84	555.05 DA Congestion Rebate on COGA	N/A	N/A		
85	555.06 DA Losses Rebate on COGA	N/A	N/A		
86	555.22 RT Congestion Rebate on COGA	N/A	N/A		
87	555.23 RT Loss Rebate on COGA	N/A	N/A		
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***	N/A	N/A		
94	555.03 DA Non-asset Energy Amount	N/A	N/A		
95	555.09 RT Asset Energy Amount***	N/A	N/A		
96	555 RT Non-Asset Energy Amount	N/A	N/A		
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
114	555.23 Miscellaneous Amount	N/A	N/A		
115	555.26 ARR Closeout Yearly Amount	N/A	N/A		
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
117	555.29 RT Schedule 1A3 Amount	N/A	N/A		
118	555.30 RT Schedule 1A4 Amount	N/A	N/A		
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022	
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022	

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162				...PROTECTED DATA ENDS]	
163		Total Purchases	118,323	169,148	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	(509)	1,718	
166					
167		Asset Based Sales	(23,487)	(42,042)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	441,197	433,125	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		May 2023 Forecast to Actual - Expense (Revenue)		Notes
		May 2023 Forecast	May 2023 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...		
1	Big Stone			
2	Coyote			
3			...PROTECTED DATA ENDS]	
4	Total Coal	\$ 25.63	\$ 27.17	
5		[PROTECTED DATA BEGINS...		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11			...PROTECTED DATA ENDS]	
12	Total Wind	\$ -	\$ -	
13				
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...		
16	Jamestown 1			
17	Jamestown 2			
18	Lake Preston			
19			...PROTECTED DATA ENDS]	
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...		
22	Natural gas - Solway			
23	Natural gas - Astoria			
24			...PROTECTED DATA ENDS]	
25	Total Natural Gas	\$ 32.07	\$ 25.56	
26		[PROTECTED DATA BEGINS...		
27	Solar - Blue Jay			
28	Solar - Blue Heron			
29	Solar - Hoot Lake			
30			...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ 0	
32				
33	Total OTP-Owned	\$ 57.70	\$ 52.73	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 34.86	\$ 9.81	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.22	
164					
165		Asset Based Sales	\$ 55.85	\$ 31.10	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.94	\$ 9.54	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

June 2023 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	June 2023 Forecast	June 2023 Actual				
1	1a Stone	[PROTECTED DATA BEGINS...]					Hoot Lake plant closed in May 2021
2	Coyote						
3	Hoot Lake #2						
4	Hoot Lake #3						
5							
6	Total Coal	\$ 4,506,171	\$ 3,844,558	\$ (661,614)		-14.68%	
7		[PROTECTED DATA BEGINS...]					
8	Langdon Wind						
9	Ashitabula Wind						
10	Luverne Wind						
11	Merricourt						
12							
13	Total Wind	\$ -	\$ -	\$ -		0	
14							
15	Total Hydro	\$ -	\$ -	\$ -		0	
16		[PROTECTED DATA BEGINS...]					
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20							
21	Total Oil - Peaking Units	\$ -	\$ 2,794	\$ 2,794		0	
22		[PROTECTED DATA BEGINS...]					
23	Natural gas - Solway						
24	Natural gas - Astoria						
25							
26	Total Natural Gas	\$ 1,404,110	\$ 2,080,387	\$ 676,277		48.16%	
27		[PROTECTED DATA BEGINS...]					
28	Solar - Blue Jay						
29	Solar - Blue Heron						
30	Solar - Hoot Lake						
31							
32	Total Solar	\$ -	\$ -	\$ -		0	
33							
34	Total OTP-Owned	\$ 5,910,281	\$ 5,927,739	\$ 17,457		0.30%	
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -		0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (192,774)	\$ (249,853)	\$ (57,080)		29.61%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0	
44	DA Loss Amount	\$ 507,481	\$ 588,101	\$ 80,619		15.89%	
45	RT Loss Amount	\$ 32,418	\$ 391	\$ (32,028)		-98.79%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -		0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -		0	
50	555.01 DA Mkt Admin Amount	\$ 69,406	\$ 68,195	\$ (1,211)		-1.75%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 10,024	\$ 8,839	\$ (1,185)		-11.82%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,763	\$ 2,005	\$ (758)		-27.45%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -		0	
54	DA Congestion	\$ 377,359	\$ 2,301,580	\$ 1,924,221		509.92%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0	
56	RT Congestion	\$ 30,837	\$ 180,579	\$ 149,742		485.59%	
57	555.14 FTR Hourly Allocation Amount	\$ (639,274)	\$ (2,355,327)	\$ (1,716,053)		268.44%	
58	555.15 FTR Monthly Allocation Amount	\$ (18,352)	\$ (96,393)	\$ (78,041)		425.24%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -		0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -		0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (36,414)	\$ (102,854)	\$ (66,441)		182.46%	
62	555.37 FTR Guarantee Uplift Amount	\$ 36,951	\$ 94,741	\$ 57,789		156.39%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (1,331,094)	\$ (3,913,258)	\$ (2,582,164)		193.99%	
64	555.38 FTR Annual Transaction Amount	\$ 1,321,981	\$ 3,558,394	\$ 2,236,413		169.17%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,167	\$ 2,328	\$ (6,839)		-74.60%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (50,408)	\$ (197,430)	\$ (147,022)		291.66%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 6,697	\$ 5,188	\$ (1,510)		-22.54%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (18,782)	\$ (1,253)	\$ 17,530		-93.33%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 10,299	\$ (50,752)		-83.13%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831		-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (56,120)	\$ (19,506)		53.28%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 101,607	\$ (8,565)		-7.77%	
74	555.25 RT Misc Amount	\$ 6,224	\$ (25,074)	\$ (31,299)		-502.85%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (677)	\$ 2,139		-75.96%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -		0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 13,993	\$ 14	\$ (13,978)		-99.90%	
78	555.63 DA Ramp Product	\$ (1,738)	\$ (4,705)	\$ (2,967)		170.68%	
79	555.64 RT Ramp Product	\$ 73	\$ (351)	\$ (424)		-578.79%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 19,641	\$ 12,374		170.27%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -		0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -		0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ (4,322)	\$ (4,322)		0	
88							
89	Total MISO Wholesale Market Charges	\$ 139,576	\$ (144,755)	\$ (284,331)		-203.71%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -		0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -		0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -		0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ (0)	\$ (183)		-100.11%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -		0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ (0)	\$ (21)		-101.52%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ (0)	\$ (11)		-100.28%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ (0)	\$ (23)		-100.53%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ (0)	\$ (24)		-100.71%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ (0)	\$ (3)		-100.37%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0		-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (39,414)	\$ (7,601)	\$ 31,812		-80.71%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 0		-116.95%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1		-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (70,072)	\$ 53,035	\$ 123,108		-175.69%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (22,263)	\$ 4,830	\$ 27,092		-121.70%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7		-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ (78,140)	\$ (279,464)	\$ (201,324)		257.65%	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ (0)	\$ (1)		-100.87%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ (0)	\$ (6)		-101.02%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ (0)	\$ (0)		0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ (0)	\$ (0)		0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ 0	\$ (10)	-99.14%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ 0	\$ -	\$ (0)	-100.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ (26)	\$ (227)	\$ (201)	778.10%	
126		Total SPP Wholesale Market Charges	\$ (209,641)	\$ (229,428)	\$ (19,787)	9.44%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (35,602)	\$ (58,310)	\$ (22,709)	63.79%	
130	555.46	Real Time Regulation Amount	\$ (1,333)	\$ (3,585)	\$ (2,252)	168.94%	
131	555.52	Regulation Cost Distribution Amount	\$ 15,632	\$ 14,889	\$ (743)	-4.75%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (44,112)	\$ (23,281)	111.76%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 880	\$ (127)	\$ (1,107)	-112.97%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 16,970	\$ 7,902	87.13%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (57,084)	\$ (30,869)	\$ 26,215	-45.92%	
136	555.47	Real Time Spinning Reserve Amount	\$ 20,440	\$ 2,139	\$ (18,301)	-89.54%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 14,388	\$ 13,065	\$ (1,323)	-9.20%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (41,673)	\$ (24,015)	\$ 17,659	-42.37%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 11,129	\$ 4,835	\$ (6,294)	-56.55%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 4,640	\$ 3,118	\$ (1,522)	-32.81%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 3,837	\$ 1,386	56.53%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ 2,825	\$ 1,385	96.20%	
145		Total MISO ASM	\$ (76,330)	\$ (99,340)	\$ (23,010)	30.15%	
146							
147		Total Wholesale Market Charges	\$ (146,395)	\$ (473,524)	\$ (327,129)	223.46%	
148							
149							
150		Purchased Power					
151			[PROTECTED DATA BEGINS...				
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161					...PROTECTED DATA ENDS]		
162		Total Purchases	\$ 5,525,119	\$ 2,423,485	\$ (3,101,634)	-56.14%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 15,018	\$ 16,578	\$ 1,560	10.39%	
165							
166		Asset Based Sales	\$ (1,150,597)	\$ (678,051)	\$ 472,546	-41.07%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (569,467)	\$ (531,714)	\$ 37,754	-6.63%	
168		Asset Based Margins	\$ (581,129)	\$ (146,337)	\$ 434,792	-74.82%	
169							
170		Hoot Lake Solar Generation Credit	\$ -	\$ (94,722)	\$ (94,722)	0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 194,694	\$ 167,319	\$ (27,375)	(0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (82,446)	\$ (42,450)	\$ 39,996	(0)	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (210,516)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 10,265,673	\$ 7,035,859	\$ (3,229,815)	-31.46%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

Line	Plant Generation	June 2023 Forecast to Actual - Expense (Revenue)		Notes
		June 2023 Forecast	June 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5			...PROTECTED DATA ENDS]	
6	Total Coal	167,236	144,390	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula III			
11	Luverne Wind			
12	MerriCourt			
13			...PROTECTED DATA ENDS]	
14	Total Wind and Solar	93,715	60,297	
15				
16	Total Hydro	1,644	1,197	
17		[PROTECTED DATA BEGINS...]		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27	Total Natural Gas	42,951	80,732	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33	Total Solar	-	2,485	
34				
35	Total OTP-Owned	305,546	289,101	
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162				...PROTECTED DATA ENDS]	
163		Total Purchases	146,477	205,619	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	383	423	
166					
167		Asset Based Sales	(20,252)	(23,298)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	432,153	471,844	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	June 2023 Forecast to Actual - Expense (Revenue)		Notes
		June 2023 Forecast	June 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote	[PROTECTED DATA BEGINS...]		
3		...PROTECTED DATA ENDS]		
4	Total Coal	\$ 26.95	\$ 26.63	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind	[PROTECTED DATA BEGINS...]		
7	Ashtabula Wind	[PROTECTED DATA BEGINS...]		
8	Ashtabula III	[PROTECTED DATA BEGINS...]		
9	Luverne Wind	[PROTECTED DATA BEGINS...]		
10	Merricourt	[PROTECTED DATA BEGINS...]		
11		...PROTECTED DATA ENDS]		
12	Total Wind	\$ -	\$ -	
13		[PROTECTED DATA BEGINS...]		
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1	[PROTECTED DATA BEGINS...]		
17	Jamestown 2	[PROTECTED DATA BEGINS...]		
18	Lake Preston	[PROTECTED DATA BEGINS...]		
19		...PROTECTED DATA ENDS]		
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway	[PROTECTED DATA BEGINS...]		
23	Natural gas - Astoria	[PROTECTED DATA BEGINS...]		
24		...PROTECTED DATA ENDS]		
25	Total Natural Gas	\$ 32.69	\$ 25.77	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay	[PROTECTED DATA BEGINS...]		
28	Solar - Blue Heron	[PROTECTED DATA BEGINS...]		
29	Solar - Hoot Lake	[PROTECTED DATA BEGINS...]		
30		...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ 0	
32		[PROTECTED DATA BEGINS...]		
33	Total OTP-Owned	\$ 59.64	\$ 52.40	
34		[PROTECTED DATA BEGINS...]		
35	Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
36	MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87		[PROTECTED DATA BEGINS...]		
88	Total MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
89		[PROTECTED DATA BEGINS...]		
90	SPP Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 37.72	\$ 11.79	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.22	
164					
165		Asset Based Sales	\$ 56.81	\$ 29.10	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 23.75	\$ 14.91	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

July 2023 Forecast to Actual - Expense (Revenue)							Notes
Line		Plant Generation	July 2023 Forecast	July 2023 Actual			
1			[PROTECTED DATA BEGINS...]				
2							
3							
4							Hoot Lake plant closed in May 2021
5							
6			Total Coal	\$ 6,091,444	\$ 4,737,045	...[PROTECTED DATA ENDS]	-22.23%
7			[PROTECTED DATA BEGINS...]				
8							
9							
10							
11							
12							
13			Total Wind	\$ -	\$ -	...[PROTECTED DATA ENDS]	0
14							
15			Total Hydro	\$ -	\$ -	\$ -	0
16			[PROTECTED DATA BEGINS...]				
17							
18							
19							
20							
21			Total Oil - Peaking Units	\$ -	\$ 11	\$ 11	0
22			[PROTECTED DATA BEGINS...]				
23							
24							
25							
26			Total Natural Gas	\$ 3,259,565	\$ 2,632,598	...[PROTECTED DATA ENDS]	-19.23%
27			[PROTECTED DATA BEGINS...]				
28							
29							
30							
31							
32			Total Solar	\$ -	\$ -	\$ -	0
33							
34			Total OTP-Owned	\$ 9,351,009	\$ 7,369,654	\$ (1,981,354)	-21.19%
35							
36							
37							
38							
39							
40							
41							
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85							
86							
87							
88							
89			Total MISO Wholesale Market Charges	\$ 166,883	\$ (240,951)	\$ (407,834)	-244.38%
90							Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91							
92							
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120							

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ -	\$ (10)	-100.00%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ -	\$ 0	-100.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ 0	\$ -	\$ (0)	-100.00%	
126		Total SPP Wholesale Market Charges	\$ (141,155)	\$ (2,105)	\$ 139,050	-98.51%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (68,125)	\$ (63,289)	\$ 4,836	-7.10%	
130	555.46	Real Time Regulation Amount	\$ 19,948	\$ 5,179	\$ (14,769)	-74.04%	
131	555.52	Regulation Cost Distribution Amount	\$ 14,433	\$ 14,143	\$ (290)	-2.01%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (15,349)	\$ 5,482	-26.32%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 880	\$ (7,922)	\$ (8,902)	-908.15%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 15,406	\$ 6,338	69.89%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (37,488)	\$ (21,715)	\$ 15,774	-42.08%	
136	555.47	Real Time Spinning Reserve Amount	\$ 7,550	\$ (10,282)	\$ (17,832)	-236.18%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 14,523	\$ 13,511	\$ (1,011)	-6.96%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (25,613)	\$ (11,162)	\$ 14,451	-56.42%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 10,849	\$ 1,870	\$ (8,980)	-82.77%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 2,977	\$ 1,916	\$ (1,062)	-35.66%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 3,934	\$ 1,483	60.49%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ 4,995	\$ 3,556	246.96%	
145		Total MISO ASM	\$ (67,812)	\$ (68,763)	\$ (951)	1.40%	
146							
147		Total Wholesale Market Charges	\$ (42,084)	\$ (311,820)	\$ (269,736)	640.95%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA	[PROTECTED DATA BEGINS...]				
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 3,146,893	\$ 4,120,189	\$ 973,297	30.93%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 1,195	\$ (21,291)	\$ (22,486)	-1881.09%	
165							
166		Asset Based Sales	\$ (2,812,433)	\$ (2,035,362)	\$ 777,072	-27.63%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (1,241,782)	\$ (1,364,896)	\$ (123,115)	-9.91%	
168		Asset Based Margins	\$ (1,570,652)	\$ (670,465)	\$ 900,186	-57.31%	
169							
170		Hoot Lake Solar Generation Credit	\$ (454,533)	\$ (213,797)	\$ 240,736	\$ (1)	Effective January 2023
171							
172		Steam Plant Reagents	\$ 279,137	\$ 235,725	\$ (43,413)	\$ (0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (76,615)	\$ (49,564)	\$ 27,051	\$ (0)	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (8,587)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 9,392,569	\$ 9,085,147	\$ (307,421)	-3.27%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

Line	Plant Generation	July 2023 Forecast to Actual - Expense (Revenue)		Notes
		July 2023 Forecast	July 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5			...PROTECTED DATA ENDS]	
6	Total Coal	238,794	199,661	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula II			
11	Luverne Wind			
12	Merricourt			
13			...PROTECTED DATA ENDS]	
14	Total Wind and Solar	72,846	56,597	
15				
16	Total Hydro	1,699	924	
17		[PROTECTED DATA BEGINS...]		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27	Total Natural Gas	100,500	94,179	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33	Total Solar	-	6,169	
34				
35	Total OTP-Owned	413,838	357,530	
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	82,910	154,986	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	30	(543)	
166					
167		Asset Based Sales	(45,057)	(50,180)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	451,721	461,793	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	July 2023 Forecast to Actual - Expense (Revenue)		Notes
		July 2023 Forecast	July 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3			...PROTECTED DATA ENDS]	
4	Total Coal	\$ 25.51	\$ 23.73	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11			...PROTECTED DATA ENDS]	
12	Total Wind	\$ -	\$ -	
13				
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1			
17	Jamestown 2			
18	Lake Preston			
19			...PROTECTED DATA ENDS]	
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway			
23	Natural gas - Astoria			
24			...PROTECTED DATA ENDS]	
25	Total Natural Gas	\$ 32.43	\$ 27.95	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay			
28	Solar - Blue Heron			
29	Solar - Hoot Lake			
30			...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ 0	
32				
33	Total OTP-Owned	\$ 57.94	\$ 51.68	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	\$ 37.96	\$ 26.58	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.25	
164					
165		Asset Based Sales	\$ 62.42	\$ 40.56	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 20.79	\$ 19.67	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

August 2023 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	August 2023 Forecast	August 2023 Actual				
1	1st Stone	[PROTECTED DATA BEGINS...]					
2	Coyote						
3	Hoot Lake #2						Hoot Lake plant closed in May 2021
4	Hoot Lake #3						
5							
6	Total Coal	\$ 5,386,120	\$ 4,364,594	\$ (1,021,526)		-18.97%	
7		[PROTECTED DATA BEGINS...]					
8	Langdon Wind						
9	Ashitabula Wind						
10	Luverne Wind						
11	Merricourt						
12							
13	Total Wind	\$ -	\$ -	\$ -		0	
14							
15	Total Hydro	\$ -	\$ -	\$ -		0	
16		[PROTECTED DATA BEGINS...]					
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20							
21	Total Oil - Peaking Units	\$ 242,979	\$ 97,734	\$ (145,245)		-59.78%	
22		[PROTECTED DATA BEGINS...]					
23	Natural gas - Solway						
24	Natural gas - Astoria						
25							
26	Total Natural Gas	\$ 3,173,005	\$ 2,385,331	\$ (787,674)		-24.82%	
27		[PROTECTED DATA BEGINS...]					
28	Solar - Blue Jay						
29	Solar - Blue Heron						
30	Solar - Hoot Lake						
31							
32	Total Solar	\$ -	\$ -	\$ -		0	
33							
34	Total OTP-Owned	\$ 8,802,104	\$ 6,847,659	\$ (1,954,445)		-22.20%	
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -		0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (206,919)	\$ (309,897)	\$ (102,978)		49.77%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0	
44	DA Loss Amount	\$ 544,720	\$ 870,890	\$ 326,170		59.88%	
45	RT Loss Amount	\$ 34,797	\$ 3,940	\$ (30,857)		-88.68%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -		0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -		0	
50	555.01 DA Mkt Admin Amount	\$ 63,343	\$ 64,973	\$ 1,630		2.57%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 8,461	\$ 7,447	\$ (1,014)		-11.99%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,790	\$ 1,591	\$ (1,199)		-42.99%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -		0	
54	DA Congestion	\$ 405,049	\$ 1,698,397	\$ 1,293,347		319.31%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0	
56	RT Congestion	\$ 33,100	\$ 302,966	\$ 269,866		815.31%	
57	555.14 FTR Hourly Allocation Amount	\$ (686,183)	\$ (2,291,464)	\$ (1,605,281)		233.94%	
58	555.15 FTR Monthly Allocation Amount	\$ (19,699)	\$ (21,417)	\$ (1,718)		8.72%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -		0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -		0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (37,482)	\$ (5,840)	\$ (31,642)		-84.42%	
62	555.37 FTR Guarantee Uplift Amount	\$ 37,482	\$ 5,840	\$ (31,642)		-84.42%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (1,331,094)	\$ (3,913,258)	\$ (2,582,164)		193.99%	
64	555.38 FTR Annual Transaction Amount	\$ 1,321,981	\$ 3,558,394	\$ 2,236,413		169.17%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,166	\$ 2,328	\$ (6,838)		-74.60%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (50,349)	\$ (197,429)	\$ (147,081)		292.12%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -		0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 7,918	\$ 10,170	\$ 2,251		28.43%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (16,987)	\$ (0)	\$ 16,987		-100.00%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 16,948	\$ (44,103)		-72.24%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831		-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (39,144)	\$ (2,530)		6.91%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 135,609	\$ 25,436		23.09%	
74	555.25 RT Misc Amount	\$ 6,224	\$ (879)	\$ (7,103)		-114.12%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (3,861)	\$ (1,044)		37.08%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -		0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 23,265	\$ 1,455	\$ (21,810)		-93.75%	
78	555.63 DA Ramp Product	\$ (2,156)	\$ (2,000)	\$ 157		-7.27%	
79	555.64 RT Ramp Product	\$ (818)	\$ (88)	\$ 729		-89.22%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 22,351	\$ 15,084		207.57%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -		0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -		0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -		0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ (4,573)	\$ (4,573)		0	
88							
89	Total MISO Wholesale Market Charges	\$ 157,245	\$ (160,562.18)	\$ (317,807)		-202.11%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -		0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -		0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -		0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ 12	\$ (171)		-93.29%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -		0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ 2	\$ (19)		-91.30%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 0	\$ (11)		-99.09%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 1	\$ (22)		-95.92%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 1	\$ (23)		-96.72%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 0	\$ (3)		-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0		-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (42,306)	\$ (12,078)	\$ 30,228		-71.45%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1		-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (75,214)	\$ 234,205	\$ 309,419		-411.38%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (23,896)	\$ 2,876	\$ 26,772		-112.04%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7		-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -		0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 0	\$ (1)		-87.77%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 1	\$ (5)		-89.31%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -		0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ 1	\$ (9)	-90.17%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ -	\$ -	0	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (141,143)	\$ 225,022	\$ 366,165	-259.43%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (64,066)	\$ (42,802)	\$ 21,264	-33.19%	
130	555.46	Real Time Regulation Amount	\$ 18,971	\$ (29,060)	\$ (48,031)	-253.18%	
131	555.52	Regulation Cost Distribution Amount	\$ 14,738	\$ 12,660	\$ (2,079)	-14.10%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (92,692)	\$ (71,861)	344.98%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 980	\$ 1,722	\$ 742	75.68%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 63,862	\$ 54,793	604.21%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (39,834)	\$ (14,482)	\$ 25,352	-63.64%	
136	555.47	Real Time Spinning Reserve Amount	\$ 10,397	\$ (2,059)	\$ (12,455)	-119.80%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 15,037	\$ 12,235	\$ (2,802)	-18.64%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (35,866)	\$ (25,995)	\$ 9,871	-27.52%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 4,730	\$ 73,643	\$ 68,913	1456.93%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 3,819	\$ 3,511	\$ (308)	-8.06%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 15,912	\$ 13,460	549.12%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ 4,150	\$ 2,710	188.24%	
145		Total MISO ASM	\$ (78,941)	\$ (19,395)	\$ 59,546	-75.43%	
146							
147		Total Wholesale Market Charges	\$ (62,840)	\$ 45,064	\$ 107,904	-171.71%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 4,187,542	\$ 2,791,093	\$ (1,396,449)	-33.35%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 4,603	\$ 2,820	\$ (1,783)	-38.74%	
165							
166		Asset Based Sales	\$ (1,863,498)	\$ (1,628,634)	\$ 234,863	-12.60%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (907,546)	\$ (1,131,522)	\$ (223,976)	24.68%	
168		Asset Based Margins	\$ (955,951)	\$ (497,112)	\$ 458,839	-48.00%	
169							
170		Hoot Lake Solar Generation Credit	\$ (426,665)	\$ (456,996)	\$ (30,331)	\$ 0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 238,831	\$ 239,846	\$ 1,015	\$ 0	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (75,468)	\$ (91,644)	\$ (16,175)	\$ 0	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (8,587)	\$ -	\$ 0	Effective June 2022
177							
178		Total System - Plant Level	\$ 10,804,610	\$ 7,740,621	\$ (3,063,988)	-28.36%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

Line	Plant Generation	August 2023 Forecast to Actual - Expense (Revenue)		Notes
		August 2023 Forecast	August 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5			...PROTECTED DATA ENDS]	
6	Total Coal	201,483	192,652	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula II			
11	Luverne Wind			
12	Merricourt			
13			...PROTECTED DATA ENDS]	
14	Total Wind and Solar	74,948	72,268	
15				
16	Total Hydro	1,699	349	
17		[PROTECTED DATA BEGINS...]		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	791	226	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27	Total Natural Gas	97,658	85,014	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33	Total Solar	-	7,685	
34				
35	Total OTP-Owned	376,578	358,194	
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	107,448	115,010	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	117	72	
166					
167		Asset Based Sales	(30,843)	(38,887)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	453,300	434,389	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	August 2023 Forecast to Actual - Expense (Revenue)		Notes
		August 2023 Forecast	August 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3			...PROTECTED DATA ENDS]	
4	Total Coal	\$ 26.73	\$ 22.66	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11			...PROTECTED DATA ENDS]	
12	Total Wind	\$ -	\$ -	
13				
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1			
17	Jamestown 2			
18	Lake Preston			
19			...PROTECTED DATA ENDS]	
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway			
23	Natural gas - Astoria			
24			...PROTECTED DATA ENDS]	
25	Total Natural Gas	\$ 32.49	\$ 28.06	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay			
28	Solar - Blue Heron			
29	Solar - Hoot Lake			
30			...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ 0	
32				
33	Total OTP-Owned	\$ 59.22	\$ 50.71	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount		N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount		N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount		N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount		N/A	N/A	
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount		N/A	N/A	
129		Real Time Regulation Amount		N/A	N/A	
130		Regulation Cost Distribution Amount		N/A	N/A	
131		Day Ahead Short-Term Reserve Amount		N/A	N/A	
132		Real Time Short-Term Reserve Amount		N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount		N/A	N/A	
134		Day Ahead Spinning Reserve Amount		N/A	N/A	
135		Real Time Spinning Reserve Amount		N/A	N/A	
136		Spinning Reserve Cost Distribution Amount		N/A	N/A	
137		Day Ahead Supplemental Reserve Amount		N/A	N/A	
138		Real Time Supplemental Reserve Amount		N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount		N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount		N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount		N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount		N/A	N/A	
143		Net Regulation Adjustment Amount		N/A	N/A	
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
149		Purchased Power				
150			[PROTECTED DATA BEGINS...			
151		Edgeley PPA				
152		Langdon PPA				
153		Ashtabula III PPA				
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance				
156		Shared Loads				
157		Small Co-gen				
158		Bilateral purchases				
159		Market Purchases				MISO and SPP Energy Only
160				...PROTECTED DATA ENDS]		
161		Total Purchases	\$ 38.97	\$ 24.27		Tribal (WAPA) excluded from Total
162						
163		Wind Curtailment	\$ 39.22	\$ 39.17		
164						
165		Asset Based Sales	\$ 60.42	\$ 41.88		
166		Fuel Costs	N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168						
169		Steam Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
170						
171		Steam/Water Sales	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
172						
173		Planning Resource Auction Revenues	N/A	N/A		Effective June 2022
174						
175		Total System - Plant Level	\$ 23.84	\$ 17.82		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

September 2023 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	September 2023		September 2023		Notes
		Forecast	Actual	Forecast	Actual	
1	Bio Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6	Total Coal	\$ 4,654,487	\$ 4,215,918	\$ (438,569)	-9.42%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashitubula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20						
21	Total Oil - Peaking Units	\$ -	\$ 2,864	\$ 2,864	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26	Total Natural Gas	\$ 1,190,288	\$ 1,071,920	\$ (118,368)	-9.94%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30	Solar - Hoot Lake					
31						
32	Total Solar	\$ -	\$ -	\$ -	0	
33						
34	Total OTP-Owned	\$ 5,844,775	\$ 5,290,702	\$ (554,074)	-9.48%	
35						
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (196,370)	\$ (214,201)	\$ (17,831)	9.08%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 516,949	\$ 551,598	\$ 34,649	6.70%	
45	RT Loss Amount	\$ 33,023	\$ (19,148)	\$ (52,171)	-157.98%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 62,549	\$ 52,772	\$ (9,777)	-15.63%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 9,611	\$ 7,348	\$ (2,263)	-23.54%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,342	\$ 1,461	\$ (881)	-37.62%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 384,399	\$ 2,251,611	\$ 1,867,211	485.75%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ 31,412	\$ 315,012	\$ 283,599	902.82%	
57	555.14 FTR Hourly Allocation Amount	\$ (651,200)	\$ (4,038,942)	\$ (3,387,742)	520.23%	
58	555.15 FTR Monthly Allocation Amount	\$ (18,695)	\$ (25,400)	\$ (6,706)	35.87%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (68,925)	\$ (118,030)	\$ (49,105)	71.24%	
62	555.37 FTR Guarantee Uplift Amount	\$ 68,925	\$ 118,030	\$ 49,105	71.24%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (964,624)	\$ (4,196,199)	\$ (3,231,575)	335.01%	
64	555.38 FTR Annual Transaction Amount	\$ 955,156	\$ 3,997,979	\$ 3,042,823	318.57%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 10,056	\$ 3,548	\$ (6,508)	-64.72%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (63,030)	\$ (186,289)	\$ (123,259)	195.56%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 11,780	\$ 6,977	\$ (4,803)	-40.77%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (5,776)	\$ (19,171)	\$ (13,395)	231.90%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 8,228	\$ (52,823)	-86.52%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (46,191)	\$ (9,577)	26.16%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 186,071	\$ 75,899	68.89%	
74	555.25 RT Misc Amount	\$ 6,224	\$ (83,257)	\$ (89,481)	-1437.63%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ 1,246	\$ 4,062	-144.24%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 22,065	\$ 5,648	\$ (16,417)	-74.40%	
78	555.63 DA Ramp Product	\$ (367)	\$ (5,913)	\$ (5,546)	1509.47%	
79	555.64 RT Ramp Product	\$ (422)	\$ (742)	\$ (320)	76.01%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 20,003	\$ 12,736	175.26%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ (10,590)	\$ (10,590)	0	
88						
89	Total MISO Wholesale Market Charges	\$ 155,810	\$ (1,498,123)	\$ (1,653,933)	-1061.50%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ -	\$ (183)	-100.00%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ -	\$ (21)	-100.00%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ -	\$ (11)	-100.00%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ -	\$ (23)	-100.00%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ -	\$ (24)	-100.00%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ -	\$ (3)	-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (40,149)	\$ (10,701)	\$ 29,448	-73.35%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (71,380)	\$ 462,228	\$ 533,608	-747.56%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (22,678)	\$ 1,657	\$ 24,335	-107.31%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ 8	\$ 15	-207.24%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ -	\$ (1)	-100.00%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ -	\$ (6)	-100.00%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ -	\$ (10)	-100.00%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ -	\$ 0	-100.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ (12)	\$ 0	\$ 12	-100.73%	
126		Total SPP Wholesale Market Charges	\$ (133,946)	\$ 453,192	\$ 587,138	-438.34%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (44,051)	\$ (60,766)	\$ (16,715)	37.94%	
130	555.46	Real Time Regulation Amount	\$ 3,137	\$ (400)	\$ (3,536)	-112.74%	
131	555.52	Regulation Cost Distribution Amount	\$ 13,077	\$ 12,361	\$ (715)	-5.47%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (45,760)	\$ (24,929)	119.67%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 980	\$ (4,441)	\$ (5,421)	-553.02%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 40,263	\$ 31,194	343.98%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (21,812)	\$ (18,413)	\$ 3,399	-15.58%	
136	555.47	Real Time Spinning Reserve Amount	\$ 3,997	\$ (2,771)	\$ (6,768)	-169.34%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 9,327	\$ 10,058	\$ 731	7.84%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (17,098)	\$ (13,773)	\$ 3,325	-19.45%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 3,538	\$ (47,557)	\$ (51,096)	-1444.01%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 1,773	\$ 3,006	\$ 1,233	69.58%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 6,609	\$ 4,158	169.62%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ 4,006	\$ 2,566	178.22%	
145		Total MISO ASM	\$ (64,980)	\$ (117,577)	\$ (62,597)	113.85%	
146							
147		Total Wholesale Market Charges	\$ (33,116)	\$ (1,162,508)	\$ (1,129,392)	3410.40%	
148							
149							
150		Purchased Power					
151			[PROTECTED DATA BEGINS...]				
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 4,574,568	\$ 4,233,186	\$ (341,381)	-7.46%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 1	\$ 5,098	\$ 5,097	433154.61%	
165							
166		Asset Based Sales	\$ (918,116)	\$ (1,102,088)	\$ (183,972)	20.04%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (466,151)	\$ (633,600)	\$ (367,449)	78.83%	
168		Asset Based Margins	\$ (451,965)	\$ (268,488)	\$ 183,477	-40.60%	
169							
170		Hoot Lake Solar Generation Credit	\$ (320,982)	\$ (407,127)	\$ (86,145)	\$ 0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 210,472	\$ 236,573	\$ 26,101	\$ 0	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (40,982)	\$ (96,795)	\$ (55,813)	\$ 1	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (42,473)	\$ -	\$ 0	Effective June 2022
177							
178		Total System - Plant Level	\$ 9,316,620	\$ 6,954,567	\$ (2,362,053)	-25.35%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

September 2023 Forecast to Actual - Expense (Revenue)					
Line	Plant Generation	September 2023		September 2023	Notes
		Forecast	Actual		
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5				...PROTECTED DATA ENDS]	
6	Total Coal	185,484	171,251		
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula II				
11	Luverne Wind				
12	Merricourt				
13				...PROTECTED DATA ENDS]	
14	Total Wind and Solar	100,327	70,520		
15					
16	Total Hydro	1,644	303		
17		[PROTECTED DATA BEGINS...			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21				...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	-	-		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26				...PROTECTED DATA ENDS]	
27	Total Natural Gas	35,420	40,025		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32				...PROTECTED DATA ENDS]	
33	Total Solar	-	6,723		
34					
35	Total OTP-Owned	322,874	288,822		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***	N/A	N/A		
40	555.04 DA FBT Loss Amount	N/A	N/A		
41	555.09 DA Non-asset Energy Amount***	N/A	N/A		
42	555.19 RT Asset Energy Amount***	N/A	N/A		
43	555.24 RT Distribution of Losses Amount	N/A	N/A		
44	555.21 RT FBT Loss Amount	N/A	N/A		
45	DA Loss Amount	N/A	N/A		
46	RT Loss Amount	N/A	N/A		
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
49	555.12 DA Virtual Energy Amount	N/A	N/A		
50	555.32 RT Virtual Energy Amount	N/A	N/A		
51	555.01 DA Mkt Admin Amount	N/A	N/A		
52	555.18 RT Mkt Admin Amount	N/A	N/A		
53	555.13 FTR Mkt Admin Amount	N/A	N/A		
54	555.03 DA FBT Congestion Amount	N/A	N/A		
55	DA Congestion	N/A	N/A		
56	555.2 RT FBT Congestion Amount	N/A	N/A		
57	RT Congestion	N/A	N/A		
58	555.14 FTR Hourly Allocation Amount	N/A	N/A		
59	555.15 FTR Monthly Allocation Amount	N/A	N/A		
60	555.17 FTR Yearly Allocation Amount	N/A	N/A		
61	555.35 FTR Monthly Transaction Amount	N/A	N/A		
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65	555.38 FTR Annual Transaction Amount	N/A	N/A		
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
75	555.25 RT Misc Amount	N/A	N/A		
76	555.27 RT Net Inadvertent Amount	N/A	N/A		
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.63 DA Ramp Product	N/A	N/A		
80	555.64 RT Ramp Product	N/A	N/A		
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
84	555.05 DA Congestion Rebate on COGA	N/A	N/A		
85	555.06 DA Losses Rebate on COGA	N/A	N/A		
86	555.22 RT Congestion Rebate on COGA	N/A	N/A		
87	555.23 RT Loss Rebate on COGA	N/A	N/A		
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***	N/A	N/A		
94	555.03 DA Non-asset Energy Amount	N/A	N/A		
95	555.09 RT Asset Energy Amount***	N/A	N/A		
96	555 RT Non-Asset Energy Amount	N/A	N/A		
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
114	555.23 Miscellaneous Amount	N/A	N/A		
115	555.26 ARR Closeout Yearly Amount	N/A	N/A		
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
117	555.29 RT Schedule 1A3 Amount	N/A	N/A		
118	555.30 RT Schedule 1A4 Amount	N/A	N/A		
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	126,359	133,065	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	0	130	
166					
167		Asset Based Sales	(17,618)	(30,026)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	431,615	391,990	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

September 2023 Forecast to Actual - Expense (Revenue)					
Line	Plant Generation	September 2023		September 2023	Notes
		Forecast	Actual		
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3		...PROTECTED DATA ENDS]			
4	Total Coal	\$ 25.09	\$ 24.62		
5		[PROTECTED DATA BEGINS...			
6	Langdon Wind				
7	Ashtabula Wind				
8	Ashtabula III				
9	Luverne Wind				
10	Merricourt				
11		...PROTECTED DATA ENDS]			
12	Total Wind	\$ -	\$ -		
13					
14	Total Hydro	\$ -	\$ -		
15		[PROTECTED DATA BEGINS...			
16	Jamestown 1				
17	Jamestown 2				
18	Lake Preston				
19		...PROTECTED DATA ENDS]			
20	Total Oil - Peaking Units	\$ -	\$ -		
21		[PROTECTED DATA BEGINS...			
22	Natural gas - Solway				
23	Natural gas - Astoria				
24		...PROTECTED DATA ENDS]			
25	Total Natural Gas	\$ 33.60	\$ 26.78		
26		[PROTECTED DATA BEGINS...			
27	Solar - Blue Jay				
28	Solar - Blue Heron				
29	Solar - Hoot Lake				
30		...PROTECTED DATA ENDS]			
31	Total Solar	\$ -	\$ 0		
32					
33	Total OTP-Owned	\$ 58.70	\$ 51.40		
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	DA Loss Amount	N/A	N/A		
44	RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		
116	555.30 RT Schedule 1A4 Amount	N/A	N/A		
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	\$ 36.20	\$ 31.81	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.22	
164					
165		Asset Based Sales	\$ 52.11	\$ 36.70	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 21.59	\$ 17.74	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		October 2023 Forecast to Actual - Expense (Revenue)				Notes
		October 2023 Forecast	October 2023 Actual			
Line	Plant Generation	PROTECTED DATA BEGINS...				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					
4	Hoot Lake #3					Hoot Lake plant closed in May 2021
5					...PROTECTED DATA ENDS	
6	Total Coal	\$ 3,306,460	\$ 2,789,926	\$ (516,534)	-15.62%	
7		PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12					...PROTECTED DATA ENDS	
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20					...PROTECTED DATA ENDS	
21	Total Oil - Peaking Units	\$ -	\$ 10,039	\$ 10,039	0	
22		PROTECTED DATA BEGINS...				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25					...PROTECTED DATA ENDS	
26	Total Natural Gas	\$ 1,597,847	\$ 1,305,496	\$ (292,351)	-18.30%	
27		PROTECTED DATA BEGINS...				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30	Solar - Hoot Lake					
31					...PROTECTED DATA ENDS	
32	Total Solar	\$ -	\$ -	\$ -	0	
33						
34	Total OTP-Owned	\$ 4,904,307	\$ 4,105,461	\$ (798,846)	-16.29%	
35						
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (207,566)	\$ (202,694)	\$ 4,872	-2.35%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 546,423	\$ 466,427	\$ (79,996)	-14.64%	
45	RT Loss Amount	\$ 34,906	\$ 57,938	\$ 23,032	65.98%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 69,043	\$ 70,945	\$ 1,902	2.76%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 8,825	\$ 11,356	\$ 2,531	28.68%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,594	\$ 1,634	\$ 39	2.46%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 406,316	\$ 2,332,779	\$ 1,926,462	474.13%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ 33,204	\$ 629,738	\$ 596,534	1796.60%	
57	555.14 FTR Hourly Allocation Amount	\$ (688,329)	\$ (8,238,183)	\$ (7,549,853)	1096.84%	
58	555.15 FTR Monthly Allocation Amount	\$ (19,761)	\$ (68,476)	\$ (48,715)	246.53%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (21,712)	\$ (410,797)	\$ (389,085)	1792.03%	
62	555.37 FTR Guarantee Uplift Amount	\$ 33,311	\$ 426,105	\$ 392,794	1179.17%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (964,624)	\$ (4,196,199)	\$ (3,231,575)	335.01%	
64	555.38 FTR Annual Transaction Amount	\$ 955,156	\$ 3,997,979	\$ 3,042,823	318.57%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 10,056	\$ 3,548	\$ (6,508)	-64.72%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (63,030)	\$ (186,289)	\$ (123,259)	195.56%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 13,467	\$ 7,845	\$ (5,622)	-41.74%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (16,769)	\$ (6)	\$ 16,763	-99.96%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 15,860	\$ (45,191)	-74.02%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ 81,925	\$ 118,539	-323.75%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 161,369	\$ 51,197	46.47%	
74	555.25 RT Misc Amount	\$ 6,224	\$ 13,024	\$ 6,799	109.24%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (4,522)	\$ (1,706)	60.57%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 53,615	\$ (485)	\$ (54,101)	-100.91%	
78	555.63 DA Ramp Product	\$ (2,666)	\$ (4,505)	\$ (1,839)	68.97%	
79	555.64 RT Ramp Product	\$ (1,009)	\$ 618	\$ 1,627	-161.24%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 20,191	\$ 12,924	177.85%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 1,697	\$ 1,697	0	
88						
89	Total MISO Wholesale Market Charges	\$ 192,440	\$ (5,095,115)	\$ (5,287,555)	-2747.64%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ 112	\$ (71)	-38.92%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ (5)	\$ (26)	-122.40%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 15	\$ 5	42.61%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 56	\$ 34	147.05%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 32	\$ 8	31.68%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 3	\$ 0	9.69%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (42,438)	\$ (8,771)	\$ 33,667	-79.33%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 4	\$ 4	-14297.18%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (3)	\$ (3)	964.41%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (5)	\$ (4)	719.51%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ 0	\$ 1	-194.80%	
110	555.17 Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (75,449)	\$ 157,201	\$ 232,651	-308.35%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (23,971)	\$ 4,178	\$ 28,149	-117.43%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7	-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ 3	\$ 3	-57481.82%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 6	\$ 5	418.05%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 26	\$ 20	333.32%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ 2	\$ 2	0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ (0)	\$ (0)	0	New charge type in 2022
121	555.34 RT Ramp Up Distribution Amount	\$ -	\$ 0	\$ 0	0	New charge type in 2022

122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ 18	\$ 8	72.76%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ -	\$ 0	-100.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (141,585)	\$ 152,873	\$ 294,458	-207.97%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (14,317)	\$ (29,009)	\$ (14,692)	102.62%	
130	555.46	Real Time Regulation Amount	\$ (3,744)	\$ (12,697)	\$ (8,953)	239.11%	
131	555.52	Regulation Cost Distribution Amount	\$ 16,088	\$ 20,514	\$ 4,426	27.51%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (12,081)	\$ 8,750	-42.00%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 980	\$ 90	\$ (891)	-90.86%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 22,813	\$ 13,744	151.56%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (4,564)	\$ (12,848)	\$ (8,284)	181.51%	
136	555.47	Real Time Spinning Reserve Amount	\$ (1,021)	\$ (4,263)	\$ (3,243)	317.73%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 15,556	\$ 21,026	\$ 5,471	35.17%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (30,067)	\$ (15,348)	\$ 14,719	-48.95%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 6,715	\$ 3,375	\$ (3,340)	-49.74%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 3,557	\$ 3,688	\$ 130	3.66%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 1,981	\$ (470)	-19.17%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ (53)	\$ (1,492)	-103.66%	
145		Total MISO ASM	\$ (18,664)	\$ (12,812)	\$ 5,851	-31.35%	
146							
147		Total Wholesale Market Charges	\$ 32,191	\$ (4,955,054)	\$ (4,987,245)	-15492.73%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA					
153		Langdon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 5,679,698	\$ 11,484,484	\$ 5,804,786	102.20%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 20,396	\$ 1,755	\$ (18,641)	-91.40%	
165							
166		Asset Based Sales	\$ (439,022)	\$ (1,003,609)	\$ (564,586)	128.60%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (206,264)	\$ (717,819)	\$ (511,555)	248.01%	
168		Asset Based Margins	\$ (232,759)	\$ (285,790)	\$ (53,032)	22.78%	
169							
170		Hoot Lake Solar Generation Credit	\$ (217,369)	\$ (304,704)	\$ (87,335)	\$ 0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 143,671	\$ 120,951	\$ (22,720)	\$ (0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (38,233)	\$ (61,442)	\$ (23,210)	\$ 1	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (65,416)	\$ -	\$ 0	Effective June 2022
177							
178		Total System - Plant Level	\$ 10,085,639	\$ 9,322,425	\$ (763,214)	-7.57%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

October 2023 Forecast to Actual - MWh					
Line	Plant Generation	October 2023 Forecast	October 2023 Actual		Notes
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5			...PROTECTED DATA ENDS]		
6	Total Coal	146,516	107,070		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula II				
11	Luverne Wind				
12	Merricourt				
13			...PROTECTED DATA ENDS]		
14	Total Wind and Solar	116,728	108,961		
15					
16	Total Hydro	1,699	326		
17		[PROTECTED DATA BEGINS...]			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21			...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	-		
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26			...PROTECTED DATA ENDS]		
27	Total Natural Gas	48,393	47,027		
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32			...PROTECTED DATA ENDS]		
33	Total Solar	-	3,051		
34					
35	Total OTP-Owned	313,336	266,436		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***	N/A	N/A		
40	555.04 DA FBT Loss Amount	N/A	N/A		
41	555.09 DA Non-asset Energy Amount***	N/A	N/A		
42	555.19 RT Asset Energy Amount***	N/A	N/A		
43	555.24 RT Distribution of Losses Amount	N/A	N/A		
44	555.21 RT FBT Loss Amount	N/A	N/A		
45	DA Loss Amount	N/A	N/A		
46	RT Loss Amount	N/A	N/A		
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
49	555.12 DA Virtual Energy Amount	N/A	N/A		
50	555.32 RT Virtual Energy Amount	N/A	N/A		
51	555.01 DA Mkt Admin Amount	N/A	N/A		
52	555.18 RT Mkt Admin Amount	N/A	N/A		
53	555.13 FTR Mkt Admin Amount	N/A	N/A		
54	555.03 DA FBT Congestion Amount	N/A	N/A		
55	DA Congestion	N/A	N/A		
56	555.2 RT FBT Congestion Amount	N/A	N/A		
57	RT Congestion	N/A	N/A		
58	555.14 FTR Hourly Allocation Amount	N/A	N/A		
59	555.15 FTR Monthly Allocation Amount	N/A	N/A		
60	555.17 FTR Yearly Allocation Amount	N/A	N/A		
61	555.35 FTR Monthly Transaction Amount	N/A	N/A		
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65	555.38 FTR Annual Transaction Amount	N/A	N/A		
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
75	555.25 RT Misc Amount	N/A	N/A		
76	555.27 RT Net Inadvertent Amount	N/A	N/A		
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.63 DA Ramp Product	N/A	N/A		
80	555.64 RT Ramp Product	N/A	N/A		
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
84	555.05 DA Congestion Rebate on COGA	N/A	N/A		
85	555.06 DA Losses Rebate on COGA	N/A	N/A		
86	555.22 RT Congestion Rebate on COGA	N/A	N/A		
87	555.23 RT Loss Rebate on COGA	N/A	N/A		
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***	N/A	N/A		
94	555.03 DA Non-asset Energy Amount	N/A	N/A		
95	555.09 RT Asset Energy Amount***	N/A	N/A		
96	555 RT Non-Asset Energy Amount	N/A	N/A		
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
114	555.23 Miscellaneous Amount	N/A	N/A		
115	555.26 ARR Closeout Yearly Amount	N/A	N/A		
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
117	555.29 RT Schedule 1A3 Amount	N/A	N/A		
118	555.30 RT Schedule 1A4 Amount	N/A	N/A		
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	154,502	256,260	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	520	45	
166					
167		Asset Based Sales	(8,197)	(31,533)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	460,160	491,207	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	October 2022 Forecast to Actual - \$ per MWh		Notes
		October 2023 Forecast	October 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote	[PROTECTED DATA BEGINS...]		
3		...PROTECTED DATA ENDS]		
4	Total Coal	\$ 22.57	\$ 26.06	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind	[PROTECTED DATA BEGINS...]		
7	Ashtabula Wind	[PROTECTED DATA BEGINS...]		
8	Ashtabula III	[PROTECTED DATA BEGINS...]		
9	Luverne Wind	[PROTECTED DATA BEGINS...]		
10	Merricourt	[PROTECTED DATA BEGINS...]		
11		...PROTECTED DATA ENDS]		
12	Total Wind	\$ -	\$ -	
13		[PROTECTED DATA BEGINS...]		
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1	[PROTECTED DATA BEGINS...]		
17	Jamestown 2	[PROTECTED DATA BEGINS...]		
18	Lake Preston	[PROTECTED DATA BEGINS...]		
19		...PROTECTED DATA ENDS]		
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway	[PROTECTED DATA BEGINS...]		
23	Natural gas - Astoria	[PROTECTED DATA BEGINS...]		
24		...PROTECTED DATA ENDS]		
25	Total Natural Gas	\$ 33.02	\$ 27.76	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay	[PROTECTED DATA BEGINS...]		
28	Solar - Blue Heron	[PROTECTED DATA BEGINS...]		
29	Solar - Hoot Lake	[PROTECTED DATA BEGINS...]		
30		...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ 0	
32		[PROTECTED DATA BEGINS...]		
33	Total OTP-Owned	\$ 55.59	\$ 53.82	
34		[PROTECTED DATA BEGINS...]		
35	Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
36	MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87		[PROTECTED DATA BEGINS...]		
88	Total MISO Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
89		[PROTECTED DATA BEGINS...]		
90	SPP Wholesale Market Charges	[PROTECTED DATA BEGINS...]		
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	\$ 36.76	\$ 44.82	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.00	
164					
165		Asset Based Sales	\$ 53.56	\$ 31.83	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 21.92	\$ 18.98	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		November 2023 Forecast to Actual - Expense (Revenue)				Notes
Line	Plant Generation	November 2023 Forecast	November 2023 Actual			
1	Bio Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6	Total Coal	\$ 4,614,288	\$ 3,137,828	\$ (1,476,460)	-32.00%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashitabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20						
21	Total Oil - Peaking Units	\$ -	\$ 29,332	\$ 29,332	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26	Total Natural Gas	\$ 1,474,421	\$ 1,376,201	\$ (98,220)	-6.66%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30	Solar - Hoot Lake					
31						
32	Total Solar	\$ -	\$ -	\$ -	0	
33						
34	Total OTP-Owned	\$ 6,088,709	\$ 4,543,361	\$ (1,545,348)	-25.38%	
35						
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (226,861)	\$ (199,329)	\$ 27,532	-12.14%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 597,217	\$ 729,560	\$ 132,343	22.16%	
45	RT Loss Amount	\$ 38,151	\$ 71,342	\$ 33,191	87.00%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 72,416	\$ 74,826	\$ 2,410	3.33%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 9,615	\$ 9,803	\$ 188	1.96%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,821	\$ 1,393	\$ (428)	-23.49%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 444,086	\$ 4,609,934	\$ 4,165,848	938.07%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ 36,290	\$ 786,081	\$ 749,791	2066.11%	
57	555.14 FTR Hourly Allocation Amount	\$ (752,314)	\$ (8,946,536)	\$ (8,194,222)	1089.20%	
58	555.15 FTR Monthly Allocation Amount	\$ (21,597)	\$ (158,225)	\$ (136,627)	632.61%	
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (151,369)	\$ (486,612)	\$ (335,243)	221.47%	
62	555.37 FTR Guarantee Uplift Amount	\$ 150,668	\$ 494,524	\$ 343,856	228.22%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (964,624)	\$ (4,196,199)	\$ (3,231,575)	335.01%	
64	555.38 FTR Annual Transaction Amount	\$ 955,156	\$ 3,997,979	\$ 3,042,823	318.57%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 10,056	\$ 3,548	\$ (6,508)	-64.72%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (63,030)	\$ (186,289)	\$ (123,259)	195.56%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 19,340	\$ 8,185	\$ (11,155)	-57.68%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (2,097)	\$ (14,204)	\$ (12,108)	577.52%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 5,326	\$ (55,726)	-91.28%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (115,732)	\$ (79,118)	216.09%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 281,076	\$ 170,904	155.12%	
74	555.25 RT Misc Amount	\$ 6,224	\$ 0	\$ (6,224)	-99.99%	
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (3,437)	\$ (620)	22.02%	
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 55,660	\$ 608	\$ (55,052)	-98.91%	
78	555.63 DA Ramp Product	\$ (317)	\$ (13,466)	\$ (13,149)	4152.12%	
79	555.64 RT Ramp Product	\$ (362)	\$ (486)	\$ (124)	34.19%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 21,550	\$ 14,283	196.55%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 25,886	\$ 25,886	0	
88						
89	Total MISO Wholesale Market Charges	\$ 215,504	\$ (3,284,916)	\$ (3,500,421)	-1624.29%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ 101	\$ (82)	-44.71%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ (4)	\$ (25)	-118.22%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ 8	\$ (3)	-29.76%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ 15	\$ (8)	-35.48%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ 11	\$ (14)	-56.24%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ 2	\$ (0)	-15.62%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (0)	\$ (0)	48.45%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (46,383)	\$ (10,625)	\$ 35,758	-77.09%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 1	\$ 1	-4392.96%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (1)	\$ (0)	110.17%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (9)	\$ (8)	1495.98%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (3)	\$ (2)	608.52%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 0	\$ 0	-302.17%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (82,463)	\$ 2,720	\$ 85,183	-103.30%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (26,199)	\$ 16,635	\$ 42,834	-163.49%	
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7	-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ 0	\$ 0	-9045.45%	
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ 4	\$ 2	218.00%	
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ 16	\$ 10	164.00%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ 2	\$ 2	0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ (0)	\$ (0)	0	New charge type in 2022

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ (2)	\$ (2)	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ 5	\$ (6)	-56.95%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ (0)	\$ 0	-85.71%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (164,772)	\$ 8,875	\$ 163,647	-105.73%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (34,760)	\$ (39,276)	\$ (4,516)	12.99%	
130	555.46	Real Time Regulation Amount	\$ (1,086)	\$ (18,582)	\$ (17,496)	1611.70%	
131	555.52	Regulation Cost Distribution Amount	\$ 21,622	\$ 22,874	\$ 1,252	5.79%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (31,007)	\$ (10,177)	48.85%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 880	\$ (291)	\$ (1,271)	-129.71%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 12,489	\$ 3,421	37.72%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (10,168)	\$ (43,814)	\$ (33,646)	330.89%	
136	555.47	Real Time Spinning Reserve Amount	\$ (4,150)	\$ (4,698)	\$ (549)	13.22%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 16,803	\$ 23,109	\$ 6,306	37.53%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (15,080)	\$ (8,834)	\$ 6,245	-41.42%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 4,599	\$ 4,310	\$ (289)	-6.28%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 2,319	\$ 1,688	\$ (631)	-27.22%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 4,355	\$ 1,904	77.68%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ (666)	\$ (2,106)	-146.25%	
145		Total MISO ASM	\$ (26,767)	\$ (78,344)	\$ (51,576)	192.68%	
146							
147		Total Wholesale Market Charges	\$ 33,965	\$ (3,354,385)	\$ (3,388,350)	-9976.04%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 7,426,906	\$ 9,332,992	\$ 1,906,086	25.66%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 17,161	\$ 21,016	\$ 3,856	22.47%	
165							
166		Asset Based Sales	\$ (267,090)	\$ (858,513)	\$ (591,423)	221.43%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (132,282)	\$ (615,974)	\$ (483,692)	365.65%	
168		Asset Based Margins	\$ (134,807)	\$ (242,539)	\$ (107,732)	79.92%	
169							
170		Hoot Lake Solar Generation Credit	\$ (160,264)	\$ (119,745)	\$ 40,519	(0)	Effective January 2023
171							
172		Steam Plant Reagents	\$ 202,270	\$ 207,355	\$ 5,085	\$ 0	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (9,941)	\$ (97,373)	\$ (87,432)	\$ 9	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (57,510)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 13,331,715	\$ 9,617,198	\$ (3,714,517)	-27.86%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

November 2022 Forecast to Actual - MWh					
Line	Plant Generation	November 2023 Forecast	November 2023 Actual		Notes
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5			...PROTECTED DATA ENDS]		
6	Total Coal	175,414	168,757		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula II				
11	Luverne Wind				
12	MerriCourt				
13			...PROTECTED DATA ENDS]		
14	Total Wind and Solar	95,245	116,642		
15					
16	Total Hydro	1,544	609		
17		[PROTECTED DATA BEGINS...]			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21			...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	-		
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26			...PROTECTED DATA ENDS]		
27	Total Natural Gas	39,126	44,061		
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32			...PROTECTED DATA ENDS]		
33	Total Solar	-	3,914		
34					
35	Total OTP-Owned	311,428	333,983		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***	N/A	N/A		
40	555.04 DA FBT Loss Amount	N/A	N/A		
41	555.09 DA Non-asset Energy Amount***	N/A	N/A		
42	555.19 RT Asset Energy Amount***	N/A	N/A		
43	555.24 RT Distribution of Losses Amount	N/A	N/A		
44	555.21 RT FBT Loss Amount	N/A	N/A		
45	DA Loss Amount	N/A	N/A		
46	RT Loss Amount	N/A	N/A		
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
49	555.12 DA Virtual Energy Amount	N/A	N/A		
50	555.32 RT Virtual Energy Amount	N/A	N/A		
51	555.01 DA Mkt Admin Amount	N/A	N/A		
52	555.18 RT Mkt Admin Amount	N/A	N/A		
53	555.13 FTR Mkt Admin Amount	N/A	N/A		
54	555.03 DA FBT Congestion Amount	N/A	N/A		
55	DA Congestion	N/A	N/A		
56	555.2 RT FBT Congestion Amount	N/A	N/A		
57	RT Congestion	N/A	N/A		
58	555.14 FTR Hourly Allocation Amount	N/A	N/A		
59	555.15 FTR Monthly Allocation Amount	N/A	N/A		
60	555.17 FTR Yearly Allocation Amount	N/A	N/A		
61	555.35 FTR Monthly Transaction Amount	N/A	N/A		
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65	555.38 FTR Annual Transaction Amount	N/A	N/A		
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
75	555.25 RT Misc Amount	N/A	N/A		
76	555.27 RT Net Inadvertent Amount	N/A	N/A		
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.63 DA Ramp Product	N/A	N/A		
80	555.64 RT Ramp Product	N/A	N/A		
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
84	555.05 DA Congestion Rebate on COGA	N/A	N/A		
85	555.06 DA Losses Rebate on COGA	N/A	N/A		
86	555.22 RT Congestion Rebate on COGA	N/A	N/A		
87	555.23 RT Loss Rebate on COGA	N/A	N/A		
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***	N/A	N/A		
94	555.03 DA Non-asset Energy Amount	N/A	N/A		
95	555.09 RT Asset Energy Amount***	N/A	N/A		
96	555 RT Non-Asset Energy Amount	N/A	N/A		
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
114	555.23 Miscellaneous Amount	N/A	N/A		
115	555.26 ARR Closeout Yearly Amount	N/A	N/A		
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
117	555.29 RT Schedule 1A3 Amount	N/A	N/A		
118	555.30 RT Schedule 1A4 Amount	N/A	N/A		
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	198,089	218,013	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	438	536	
166					
167		Asset Based Sales	(4,661)	(23,015)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	505,294	529,517	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	November 2022 Forecast to Actual - \$ per MWh		Notes
		November 2023 Forecast	November 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3			...PROTECTED DATA ENDS]	
4	Total Coal	\$ 26.31	\$ 18.59	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11			...PROTECTED DATA ENDS]	
12	Total Wind	\$ -	\$ -	
13				
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1			
17	Jamestown 2			
18	Lake Preston			
19			...PROTECTED DATA ENDS]	
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway			
23	Natural gas - Astoria			
24			...PROTECTED DATA ENDS]	
25	Total Natural Gas	\$ 37.68	\$ 31.23	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay			
28	Solar - Blue Heron			
29	Solar - Hoot Lake			
30			...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ 0	
32				
33	Total OTP-Owned	\$ 63.99	\$ 49.83	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	\$ 37.49	\$ 42.81	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.21	
164					
165		Asset Based Sales	\$ 57.30	\$ 37.30	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 26.38	\$ 18.16	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

December 2023 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	December 2023 Forecast	December 2023 Actual				
1	1st Stone	[PROTECTED DATA BEGINS...]					
2	Coyote						
3	Hoot Lake #2						Hoot Lake plant closed in May 2021
4	Hoot Lake #3						
5							
6	Total Coal	\$ 7,233,255	\$ 4,177,475	\$ (3,055,780)	-42.25%		
7		[PROTECTED DATA BEGINS...]					
8	Langdon Wind						
9	Ashtabula Wind						
10	Luverne Wind						
11	Merricourt						
12							
13	Total Wind	\$ -	\$ -	\$ -		0	
14							
15	Total Hydro	\$ -	\$ -	\$ -		0	
16		[PROTECTED DATA BEGINS...]					
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20							
21	Total Oil - Peaking Units	\$ -	\$ 276,951	\$ 276,951		0	
22		[PROTECTED DATA BEGINS...]					
23	Natural gas - Solway						
24	Natural gas - Astoria						
25							
26	Total Natural Gas	\$ 3,356,468	\$ 1,218,628	\$ (2,137,841)	-63.69%		
27		[PROTECTED DATA BEGINS...]					
28	Solar - Blue Jay						
29	Solar - Blue Heron						
30	Solar - Hoot Lake						
31							
32	Total Solar	\$ -	\$ -	\$ -		0	
33							
34	Total OTP-Owned	\$ 10,589,723	\$ 5,673,053	\$ (4,916,670)	-46.43%		
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0		
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
42	555.24 RT Distribution of Losses Amount	\$ (254,184)	\$ (322,324)	\$ (68,140)	26.81%		
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0		
44	DA Loss Amount	\$ 669,145	\$ 790,435	\$ 121,290	18.13%		
45	RT Loss Amount	\$ 42,746	\$ 104,906	\$ 62,161	145.42%		
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0		
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0		
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0		
50	555.01 DA Mkt Admin Amount	\$ 93,345	\$ 81,102	\$ (12,243)	-13.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable	
51	555.18 RT Mkt Admin Amount	\$ 12,880	\$ 9,765	\$ (3,115)	-24.19%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable	
52	555.13 FTR Mkt Admin Amount	\$ 2,552	\$ 1,540	\$ (1,012)	-39.66%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable	
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0		
54	DA Congestion	\$ 497,572	\$ 1,668,895	\$ 1,171,323	235.41%		
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0		
56	RT Congestion	\$ 40,661	\$ 392,316	\$ 351,656	864.85%		
57	555.14 FTR Hourly Allocation Amount	\$ (842,922)	\$ (3,430,279)	\$ (2,587,357)	306.95%		
58	555.15 FTR Monthly Allocation Amount	\$ (24,199)	\$ (102,469)	\$ (78,271)	323.45%		
59	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0		
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0		
61	555.36 FTR Full Funding Guarantee Amount	\$ (125,811)	\$ (163,902)	\$ (38,091)	30.28%		
62	555.37 FTR Guarantee Uplift Amount	\$ 140,814	\$ 134,982	\$ (5,833)	-4.14%		
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (936,249)	\$ (3,620,020)	\$ (2,683,771)	286.65%		
64	555.38 FTR Annual Transaction Amount	\$ 932,574	\$ 3,322,721	\$ 2,390,146	256.30%		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,776	\$ 8,060	\$ 3,284	68.77%		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (45,139)	\$ (207,942)	\$ (162,803)	360.67%		
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0		
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 14,755	\$ 12,842	\$ (1,912)	-12.96%		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (3,624)	\$ (376)	\$ 3,248	-89.62%		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 13,367	\$ (47,684)	-78.11%		
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%		
72	555.42 RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (56,440)	\$ (19,826)	54.15%		
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 132,175	\$ 22,003	19.97%		
74	555.25 RT Misc Amount	\$ 6,224	\$ (638)	\$ (6,862)	-110.25%		
75	555.27 RT Net Inadvertent Amount	\$ (2,816)	\$ (8,631)	\$ (5,814)	206.46%		
76	555.31 RT Unrestricted Deviation Amount	\$ -	\$ -	\$ -	0		
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 48,126	\$ 1,559	\$ (46,567)	-96.76%		
78	555.63 DA Ramp Product	\$ (3,341)	\$ (3,907)	\$ (566)	16.94%		
79	555.64 RT Ramp Product	\$ (528)	\$ (113)	\$ 415	-78.61%		
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 25,386	\$ 18,119	249.33%		
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0		
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0		
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0		
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0		
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 57,857	\$ 57,857		0	
88							
89	Total MISO Wholesale Market Charges	\$ 246,625	\$ (1,251,540)	\$ (1,498,164)	-607.47%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)	
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0		
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases	
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0		
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0		
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 183	\$ (115)	\$ (299)	-162.98%		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ 5	\$ (16)	-78.36%		
100	555.04 DA Regulation-Down Distribution Amount	\$ 11	\$ (16)	\$ (27)	-245.93%		
101	555.05 DA Regulation-Up Distribution Amount	\$ 23	\$ (57)	\$ (80)	-350.08%		
102	555.06 DA Spinning Reserve Distribution Amount	\$ 24	\$ (32)	\$ (56)	-233.26%		
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 3	\$ (3)	\$ (6)	-213.36%		
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%		
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (51,970)	\$ (12,302)	\$ 39,667	-76.33%		
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ (4)	\$ (4)	14097.18%		
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 3	\$ 3	-1157.63%		
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ 5	\$ 3	-919.51%		
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0	-5.20%		
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%		
111	555.20 RT Pseudo Tie Congestion Amount	\$ (92,395)	\$ 47,211	\$ 139,606	-151.10%		
112	555.21 RT Pseudo Tie Loss Amount	\$ (29,355)	\$ 22,754	\$ 52,109	-177.51%		
113	555.23 Miscellaneous Amount	\$ (7)	\$ -	\$ 7	-100.00%		
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0		
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ (3)	\$ (3)	57936.36%		
116	555.29 RT Schedule 1A3 Amount	\$ 1	\$ (6)	\$ (7)	-631.16%		
117	555.30 RT Schedule 1A4 Amount	\$ 6	\$ (26)	\$ (32)	-541.64%		
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ (2)	\$ (2)	0	New charge type in 2022	
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022	
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ 0	\$ 0	0	New charge type in 2022	

121	555.34	RT Ramp Up Distribution Amount	\$ -	\$ (0)	\$ (0)	0	New charge type in 2022
122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 10	\$ (18)	\$ (29)	-274.77%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ (0)	\$ 0	-74.55%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (173,446)	\$ 57,392	\$ 230,838	-133.09%	
127							
128		MISO ASM					
129	555.43	Day Ahead Regulation Amount	\$ (46,508)	\$ (35,704)	\$ 10,805	-23.23%	
130	555.46	Real Time Regulation Amount	\$ 711	\$ (10,232)	\$ (10,943)	-1539.55%	
131	555.52	Regulation Cost Distribution Amount	\$ 19,391	\$ 19,659	\$ 268	1.38%	
132	555.66	Day Ahead Short-Term Reserve Amount	\$ (20,831)	\$ (11,849)	\$ 8,981	-43.12%	
133	555.67	Real Time Short-Term Reserve Amount	\$ 980	\$ 426	\$ (555)	-56.58%	
134	555.68	Short-Term Reserve Cost Distribution Amount	\$ 9,069	\$ 5,403	\$ (3,665)	-40.42%	
135	555.44	Day Ahead Spinning Reserve Amount	\$ (25,628)	\$ (25,679)	\$ (51)	0.20%	
136	555.47	Real Time Spinning Reserve Amount	\$ 5,752	\$ (11,050)	\$ (16,802)	-292.10%	
137	555.53	Spinning Reserve Cost Distribution Amount	\$ 15,584	\$ 19,673	\$ 4,088	26.23%	
138	555.45	Day Ahead Supplemental Reserve Amount	\$ (14,524)	\$ (1,669)	\$ 12,855	-88.51%	
139	555.48	Real Time Supplemental Reserve Amount	\$ 5,005	\$ 849	\$ (4,156)	-83.04%	
140	555.54	Supplemental Reserve Cost Distribution Amount	\$ 2,368	\$ 1,630	\$ (739)	-31.19%	
141	555.51	Contingency Reserve Deployment Failure Charge Amount	\$ 24	\$ -	\$ (24)	-100.00%	
142	555.5	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,451	\$ 1,547	\$ (905)	-36.90%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144	555.49	Net Regulation Adjustment Amount	\$ 1,440	\$ 289	\$ (1,150)	-79.90%	
145		Total MISO ASM	\$ (44,716)	\$ (46,708)	\$ (1,992)	4.46%	
146							
147		Total Wholesale Market Charges	\$ 28,463	\$ (1,240,856)	\$ (1,269,319)	-4459.60%	
148							
149							
150		Purchased Power					
151							
152		Edgeley PPA					
153		Lanodon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 6,807,869	\$ 7,831,291	\$ 1,023,422	15.03%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ (7,743)	\$ 3,737	\$ 11,480	-148.26%	
165							
166		Asset Based Sales	\$ (1,496,561)	\$ (1,306,540)	\$ 190,021	-12.70%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (730,373)	\$ (779,866)	\$ (49,493)	6.78%	
168		Asset Based Margins	\$ (766,188)	\$ (526,675)	\$ 239,513	-31.26%	
169							
170		Hoot Lake Solar Generation Credit	\$ (137,121)	\$ (134,247)	\$ 2,874	(0)	Effective January 2023
171							
172		Steam Plant Reagents	\$ 326,818	\$ 216,971	\$ (109,847)	(0)	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (96,172)	\$ (94,811)	\$ 1,361	(0)	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ -	\$ (13,290)	\$ -	0	Effective June 2022
177							
178		Total System - Plant Level	\$ 16,015,275	\$ 10,935,307	\$ (5,079,968)	-31.72%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

December 2023 Forecast to Actual - MWh					
Line	Plant Generation	December 2023 Forecast	December 2023 Actual		Notes
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5			...PROTECTED DATA ENDS]		
6	Total Coal	268,326	159,246		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Ashtabula II				
11	Luverne Wind				
12	MerriCourt				
13			...PROTECTED DATA ENDS]		
14	Total Wind and Solar	108,062	100,430		
15					
16	Total Hydro	1,699	758		
17		[PROTECTED DATA BEGINS...]			
18	Jamestown 1				
19	Jamestown 2				
20	Lake Preston				
21			...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	720		
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26			...PROTECTED DATA ENDS]		
27	Total Natural Gas	77,437	45,676		
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31	Solar - Hoot Lake				
32			...PROTECTED DATA ENDS]		
33	Total Solar	-	2,326		
34					
35	Total OTP-Owned	455,623	309,156		
36					
37	Wholesale Market Charges				
38	MISO Wholesale Market Charges				
39	555.02 DA Asset Energy Amount***	N/A	N/A		
40	555.04 DA FBT Loss Amount	N/A	N/A		
41	555.09 DA Non-asset Energy Amount***	N/A	N/A		
42	555.19 RT Asset Energy Amount***	N/A	N/A		
43	555.24 RT Distribution of Losses Amount	N/A	N/A		
44	555.21 RT FBT Loss Amount	N/A	N/A		
45	DA Loss Amount	N/A	N/A		
46	RT Loss Amount	N/A	N/A		
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
49	555.12 DA Virtual Energy Amount	N/A	N/A		
50	555.32 RT Virtual Energy Amount	N/A	N/A		
51	555.01 DA Mkt Admin Amount	N/A	N/A		
52	555.18 RT Mkt Admin Amount	N/A	N/A		
53	555.13 FTR Mkt Admin Amount	N/A	N/A		
54	555.03 DA FBT Congestion Amount	N/A	N/A		
55	DA Congestion	N/A	N/A		
56	555.2 RT FBT Congestion Amount	N/A	N/A		
57	RT Congestion	N/A	N/A		
58	555.14 FTR Hourly Allocation Amount	N/A	N/A		
59	555.15 FTR Monthly Allocation Amount	N/A	N/A		
60	555.17 FTR Yearly Allocation Amount	N/A	N/A		
61	555.35 FTR Monthly Transaction Amount	N/A	N/A		
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65	555.38 FTR Annual Transaction Amount	N/A	N/A		
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
75	555.25 RT Misc Amount	N/A	N/A		
76	555.27 RT Net Inadvertent Amount	N/A	N/A		
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.63 DA Ramp Product	N/A	N/A		
80	555.64 RT Ramp Product	N/A	N/A		
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
84	555.05 DA Congestion Rebate on COGA	N/A	N/A		
85	555.06 DA Losses Rebate on COGA	N/A	N/A		
86	555.22 RT Congestion Rebate on COGA	N/A	N/A		
87	555.23 RT Loss Rebate on COGA	N/A	N/A		
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
89					
90	Total MISO Wholesale Market Charges				
91					
92	SPP Wholesale Market Charges				
93	555.19 DA Asset Energy Amount***	N/A	N/A		
94	555.03 DA Non-asset Energy Amount	N/A	N/A		
95	555.09 RT Asset Energy Amount***	N/A	N/A		
96	555 RT Non-Asset Energy Amount	N/A	N/A		
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
114	555.23 Miscellaneous Amount	N/A	N/A		
115	555.26 ARR Closeout Yearly Amount	N/A	N/A		
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
117	555.29 RT Schedule 1A3 Amount	N/A	N/A		
118	555.30 RT Schedule 1A4 Amount	N/A	N/A		
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022

121	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	135,971	247,911	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	(197)	95	
166					
167		Asset Based Sales	(23,847)	(27,983)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	567,450	529,180	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	December 2023 Forecast to Actual - \$ per MWh		Notes
		December 2023 Forecast	December 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3			...PROTECTED DATA ENDS]	
4	Total Coal	\$ 26.96	\$ 26.23	
5		[PROTECTED DATA BEGINS...]		
6	Langdon Wind			
7	Ashtabula Wind			
8	Ashtabula III			
9	Luverne Wind			
10	Merricourt			
11			...PROTECTED DATA ENDS]	
12	Total Wind	\$ -	\$ -	
13				
14	Total Hydro	\$ -	\$ -	
15		[PROTECTED DATA BEGINS...]		
16	Jamestown 1			
17	Jamestown 2			
18	Lake Preston			
19			...PROTECTED DATA ENDS]	
20	Total Oil - Peaking Units	\$ -	\$ -	
21		[PROTECTED DATA BEGINS...]		
22	Natural gas - Solway			
23	Natural gas - Astoria			
24			...PROTECTED DATA ENDS]	
25	Total Natural Gas	\$ 43.34	\$ 26.68	
26		[PROTECTED DATA BEGINS...]		
27	Solar - Blue Jay			
28	Solar - Blue Heron			
29	Solar - Hoot Lake			
30			...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	0	
32				
33	Total OTP-Owned	\$ 70.30	\$ 52.91	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	
116	555.30 RT Schedule 1A4 Amount	N/A	N/A	
117	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34 RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022

121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160					
161		Total Purchases	\$ 50.07	\$ 31.59	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 39.22	\$ 39.22	
164					
165		Asset Based Sales	\$ 62.76	\$ 46.69	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 28.22	\$ 20.66	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		Year to Date 2023 Forecast to Actual - Expense (Revenue)				Notes
		YTD 2023 Forecast	YTD 2023 Actual			
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6				...PROTECTED DATA ENDS]		
7		Total Coal	\$ 66,172,634	\$ 43,373,589	\$ (22,799,045)	-34.45%
8						
9	Langdon Wind					
10	Ashtabula Wind					
11	Loverne Wind					
12	Merricourt					
13				...PROTECTED DATA ENDS]		
14		Total Wind	\$ -	\$ -	\$ -	0
15						
16		Total Hydro	\$ -	\$ -	\$ -	0
17						
18	Jamestown 1					
19	Jamestown 2					
20	Lake Preston					
21				...PROTECTED DATA ENDS]		
22		Total Oil - Peaking Units	\$ 724,014	\$ 443,227	\$ (280,787)	-38.78%
23						
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...PROTECTED DATA ENDS]		
27		Total Natural Gas	\$ 31,300,943	\$ 16,149,759	\$ (15,151,184)	-48.40%
28						
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31	Solar - Hoot Lake					
32				...PROTECTED DATA ENDS]		
33		Total Solar	\$ -	\$ -	\$ -	0
34						
35		Total OTP-Owned	\$ 98,197,591	\$ 59,966,575	\$ (38,231,017)	-38.93%
36						
37	Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (2,639,661)	\$ (2,783,579)	\$ (143,917)	5.45%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 6,948,972	\$ 7,102,864	\$ 153,892	2.21%	
45	RT Loss Amount	\$ 443,908	\$ 579,669	\$ 135,761	30.58%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 895,602	\$ 800,693	\$ (94,909)	-10.60%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 118,920	\$ 106,597	\$ (12,329)	-10.37%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 28,032	\$ 19,664	\$ (8,369)	-29.85%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 5,167,205	\$ 25,896,159	\$ 20,728,954	401.16%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ 422,256	\$ 3,641,167	\$ 3,218,912	762.31%	
57	555.14 FTR Hourly Allocation Amount	\$ (8,753,618)	\$ (46,533,299)	\$ (37,779,681)	431.59%	
58	555.15 FTR Monthly Allocation Amount	\$ (251,299)	\$ (1,313,006)	\$ (1,061,707)	422.49%	
59	555.17 FTR Yearly Allocation Amount	\$ (291,097)	\$ (61,726)	\$ 229,371	-78.80%	
60	555.35 FTR Monthly Transaction Amount	\$ -	\$ -	\$ -	0	
61	555.36 FTR Full Funding Guarantee Amount	\$ (141,582)	\$ (1,747,527)	\$ (1,605,946)	1134.29%	
62	555.37 FTR Guarantee Uplift Amount	\$ 151,873	\$ 1,672,331	\$ 1,520,458	1001.14%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (11,329,957)	\$ (61,607,487)	\$ (50,277,530)	443.76%	
64	555.38 FTR Annual Transaction Amount	\$ 11,261,587	\$ 59,602,059	\$ 48,340,471	429.25%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 83,969	\$ 138,297	\$ 54,328	64.70%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (561,028)	\$ (1,922,625)	\$ (1,361,596)	242.70%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ (0)	\$ -	\$ 0	-100.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 156,379	\$ 117,632	\$ (38,746)	-24.78%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (83,256)	\$ (64,283)	\$ 18,973	-22.79%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 732,613	\$ 134,826	\$ (597,787)	-81.60%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (645,974)	\$ -	\$ 645,974	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (439,368)	\$ (472,047)	\$ (32,679)	7.44%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 1,322,066	\$ 1,769,276	\$ 447,210	33.83%	
74	555.25 RT Misc Amount	\$ 74,690	\$ 9,949	\$ (64,741)	-86.68%	
75	555.27 RT Net Inadvertent Amount	\$ (33,796)	\$ (46,925)	\$ (13,129)	38.85%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ 0	\$ 0	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 315,849	\$ 20,303	\$ (295,546)	-93.57%	
78	555.63 DA Ramp Product	\$ (23,353)	\$ (43,204)	\$ (19,851)	85.00%	
79	555.64 RT Ramp Product	\$ (5,920)	\$ (6,659)	\$ (739)	12.48%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 87,202	\$ 314,584	\$ 227,382	260.75%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 165,261	\$ 165,261	0	
88						
89		Total MISO Wholesale Market Charges	\$ 1,968,660	\$ (15,437,990)	\$ (17,406,650)	-884.19%
90						Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.1 RT Make-Whole-Payment Distribution Amount	\$ 2,198	\$ 128	\$ (2,070)	-94.19%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 252	\$ 39	\$ (213)	-84.49%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 130	\$ 11	\$ (119)	-91.60%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 274	\$ 28	\$ (245)	-89.65%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 289	\$ 27	\$ (262)	-90.82%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 33	\$ 4	\$ (29)	-87.34%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (0)	\$ 0	-87.63%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (539,697)	\$ (151,084)	\$ 388,612	-72.01%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 1	\$ 1	-325.35%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (4)	\$ (1)	\$ 3	-74.29%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (7)	\$ (9)	\$ (2)	34.15%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (5)	\$ (3)	\$ 2	-45.53%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (2)	\$ 0	\$ 2	-116.30%	
111	555.2 RT Pseudo Tie Congestion Amount	\$ (959,505)	\$ 1,290,849	\$ 2,250,354	-234.53%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (304,842)	\$ 57,379	\$ 362,221	-118.82%	
113	555.23 Miscellaneous Amount	\$ (89)	\$ (3)	\$ 85	-96.33%	
114	555.26 ARR Closeout Yearly Amount	\$ (78,140)	\$ (279,464)	\$ (201,324)	257.65%	
115	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ 0	\$ 0	-790.91%	
116	555.29 RT Schedule 1A3 Amount	\$ 14	\$ 6	\$ (8)	-55.01%	
117	555.30 RT Schedule 1A4 Amount	\$ 71	\$ 27	\$ (44)	-62.32%	
118	555.31 DA Ramp Up Distribution Amount	\$ -	\$ 3	\$ 3	0	New charge type in 2022
119	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
120	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ (0)	\$ (0)	0	New charge type in 2022
121	555.34 RT Ramp Up Distribution Amount	\$ -	\$ (3)	\$ (3)	0	New charge type in 2022

122	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
123	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 126	\$ (6)	\$ (132)	-104.68%	
124	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (1)	\$ (0)	\$ 0	-63.91%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ (38)	\$ (227)	\$ (189)	496.22%	
126		Total SPP Wholesale Market Charges	\$ (1,878,943)	\$ 917,700	\$ 2,796,644	-148.84%	
127							
128		MISO ASM					
129		Day Ahead Regulation Amount	\$ (520,823)	\$ (516,907)	\$ 3,916	-0.75%	
130		Real Time Regulation Amount	\$ 38,067	\$ (106,884)	\$ (144,951)	-380.78%	
131		Regulation Cost Distribution Amount	\$ 213,549	\$ 222,692	\$ 9,143	4.28%	
132		Day Ahead Short-Term Reserve Amount	\$ (249,968)	\$ (310,068)	\$ (60,100)	24.04%	
133		Real Time Short-Term Reserve Amount	\$ 11,763	\$ (8,863)	\$ (20,625)	-175.35%	
134		Short-Term Reserve Cost Distribution Amount	\$ 108,824	\$ 223,297	\$ 114,474	105.19%	
135		Day Ahead Spinning Reserve Amount	\$ (330,982)	\$ (240,931)	\$ 90,052	-27.21%	
136		Real Time Spinning Reserve Amount	\$ 69,241	\$ (38,369)	\$ (107,609)	-155.41%	
137		Spinning Reserve Cost Distribution Amount	\$ 181,678	\$ 192,445	\$ 10,767	5.93%	
138		Day Ahead Supplemental Reserve Amount	\$ (300,692)	\$ (136,872)	\$ 163,819	-54.48%	
139		Real Time Supplemental Reserve Amount	\$ 76,254	\$ 58,349	\$ (17,904)	-23.48%	
140		Supplemental Reserve Cost Distribution Amount	\$ 49,964	\$ 29,283	\$ (20,681)	-41.39%	
141		Contingency Reserve Deployment Failure Charge Amount	\$ 286	\$ -	\$ (286)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 29,415	\$ 75,947	\$ 46,533	158.19%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ 0	0	
144		Net Regulation Adjustment Amount	\$ 17,277	\$ 22,373	\$ 5,095	29.49%	
145		Total MISO ASM	\$ (606,147)	\$ (534,506)	\$ 71,641	-11.82%	
146							
147		Total Wholesale Market Charges	\$ (516,430)	\$ (15,054,796)	\$ (14,538,366)	2815.17%	
148							
149							
150		Purchased Power					
151			[PROTECTED DATA BEGINS...				
152		Edgeley PPA					
153		Langdon PPA					
154		Ashtabula III PPA					
155		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
156		WAPA Energy Imbalance					
157		Shared Loads					
158		Small Co-gen					
159		Bilateral purchases					
160		Market Purchases					MISO and SPP Energy Only
161							
162		Total Purchases	\$ 71,765,611	\$ 92,485,212	\$ 20,719,600	28.87%	Tribal (WAPA) excluded from Total
163							
164		Wind Curtailment	\$ 51,014	\$ 54,571	\$ 3,557	6.97%	
165							
166		Asset Based Sales	\$ (19,126,663)	\$ (12,047,753)	\$ 7,078,910	-37.01%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	\$ (8,293,540)	\$ (8,985,597)	\$ (692,057)	8.34%	
168		Asset Based Margins	\$ (10,833,123)	\$ (3,062,156)	\$ 7,770,967	-71.73%	
169							
170		Hoot Lake Solar Generation Credit	\$ (1,716,934)	\$ (1,811,225)	\$ (94,292)	\$ 0	Effective January 2023
171							
172		Steam Plant Reagents	\$ 2,961,135	\$ 2,164,427	\$ (796,708)	-26.91%	Effective July 2022 - Docket No. E017/GR-20-719
173							
174		Steam/Water Sales	\$ (756,821)	\$ (808,406)	\$ (51,585)	6.82%	Effective July 2022 - Docket No. E017/GR-20-719
175							
176		Planning Resource Auction Revenues	\$ (3,890,000)	\$ (4,185,367)	\$ (295,367)		Effective June 2022
177							
178		Total System - Plant Level	\$ 146,968,504	\$ 120,763,238	\$ (26,205,266)	-17.83%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

*** These energy related charge types are reported in Market Purchases

		Year to Date 2023 Forecast to Actual - MWh		Notes
		YTD 2023 Forecast	YTD 2023 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5			...PROTECTED DATA ENDS]	
6	Total Coal	2,530,975	1,759,136	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula III			
11	Luxerne Wind			
12	Merricourt			
13			...PROTECTED DATA ENDS]	
14	Total Wind	1,233,719	1,145,386	
15				
16	Total Hydro	20,000	8,847	
17		[PROTECTED DATA BEGINS...]		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	2,409	946	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27	Total Natural Gas	730,840	570,616	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33	Total Solar	-	34,982	
34				
35	Total OTP-Owned	4,517,943	3,519,913	
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
121	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022

122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162			...PROTECTED DATA ENDS]		
163		Total Purchases	1,627,158	2,693,048	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	1,301	1,062	
166					
167		Asset Based Sales	(271,072)	(348,728)	Credit to MN FCA Calculation - Subtracted from Total
168		Fuel Costs	-	-	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins	-	-	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	-	-	Effective June 2022
176					
177		Total System - Plant Level	5,875,329	5,865,294	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Line	Plant Generation	Year to Date 2022 Forecast to Actual - \$ per MWh		Notes
		YTD 2023 Forecast	YTD 2023 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			
4	Hoot Lake #3			Hoot Lake plant closed in May 2021
5			...PROTECTED DATA ENDS]	
6	Total Coal	\$ 26.15	\$ 24.66	
7		[PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Ashtabula III			
11	Luverne Wind			
12	Merricourt			
13			...PROTECTED DATA ENDS]	
14	Total Wind	\$ -	\$ -	
15				
16	Total Hydro	\$ -	\$ -	
17		[PROTECTED DATA BEGINS...		
18	Jamestown 1			
19	Jamestown 2			
20	Lake Preston			
21			...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	\$ 300.52	\$ 468.64	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26			...PROTECTED DATA ENDS]	
27	Total Natural Gas	\$ 42.83	\$ 28.30	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31	Solar - Hoot Lake			
32			...PROTECTED DATA ENDS]	
33	Total Solar	N/A	\$ -	
34				
35	Total OTP-Owned	\$ 21.74	\$ 17.04	
36				
37	Wholesale Market Charges			
38	MISO Wholesale Market Charges			
39	555.02 DA Asset Energy Amount***	N/A	N/A	
40	555.04 DA FBT Loss Amount	N/A	N/A	
41	555.09 DA Non-asset Energy Amount***	N/A	N/A	
42	555.19 RT Asset Energy Amount***	N/A	N/A	
43	555.24 RT Distribution of Losses Amount	N/A	N/A	
44	555.21 RT FBT Loss Amount	N/A	N/A	
45	DA Loss Amount	N/A	N/A	
46	RT Loss Amount	N/A	N/A	
47	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
48	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
49	555.12 DA Virtual Energy Amount	N/A	N/A	
50	555.32 RT Virtual Energy Amount	N/A	N/A	
51	555.01 DA Mkt Admin Amount	N/A	N/A	
52	555.18 RT Mkt Admin Amount	N/A	N/A	
53	555.13 FTR Mkt Admin Amount	N/A	N/A	
54	555.03 DA FBT Congestion Amount	N/A	N/A	
55	DA Congestion	N/A	N/A	
56	555.2 RT FBT Congestion Amount	N/A	N/A	
57	RT Congestion	N/A	N/A	
58	555.14 FTR Hourly Allocation Amount	N/A	N/A	
59	555.15 FTR Monthly Allocation Amount	N/A	N/A	
60	555.17 FTR Yearly Allocation Amount	N/A	N/A	
61	555.35 FTR Monthly Transaction Amount	N/A	N/A	
62	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
63	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
64	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
65	555.38 FTR Annual Transaction Amount	N/A	N/A	
66	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
67	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
68	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
69	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
70	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
73	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
74	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
75	555.25 RT Misc Amount	N/A	N/A	
76	555.27 RT Net Inadvertent Amount	N/A	N/A	
77	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
78	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
79	555.63 DA Ramp Product	N/A	N/A	
80	555.64 RT Ramp Product	N/A	N/A	
81	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
82	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
83	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
84	555.05 DA Congestion Rebate on COGA	N/A	N/A	
85	555.06 DA Losses Rebate on COGA	N/A	N/A	
86	555.22 RT Congestion Rebate on COGA	N/A	N/A	
87	555.23 RT Loss Rebate on COGA	N/A	N/A	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
89				
90	Total MISO Wholesale Market Charges			
91				
92	SPP Wholesale Market Charges			
93	555.19 DA Asset Energy Amount***	N/A	N/A	
94	555.03 DA Non-asset Energy Amount	N/A	N/A	
95	555.09 RT Asset Energy Amount***	N/A	N/A	
96	555 RT Non-Asset Energy Amount	N/A	N/A	
97	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
99	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
101	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
102	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
103	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
104	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
105	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
106	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
107	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
108	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
109	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
110	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
111	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
112	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
113	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
114	555.23 Miscellaneous Amount	N/A	N/A	
115	555.26 ARR Closeout Yearly Amount	N/A	N/A	
116	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
117	555.29 RT Schedule 1A3 Amount	N/A	N/A	
118	555.30 RT Schedule 1A4 Amount	N/A	N/A	
119	555.31 DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
120	555.32 DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
121	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022

122	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
123	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
124	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
125	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
126	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
127		Total SPP Wholesale Market Charges			
128					
129		MISO ASM			
130		Day Ahead Regulation Amount	N/A	N/A	
131		Real Time Regulation Amount	N/A	N/A	
132		Regulation Cost Distribution Amount	N/A	N/A	
133		Day Ahead Short-Term Reserve Amount	N/A	N/A	
134		Real Time Short-Term Reserve Amount	N/A	N/A	
135		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
136		Day Ahead Spinning Reserve Amount	N/A	N/A	
137		Real Time Spinning Reserve Amount	N/A	N/A	
138		Spinning Reserve Cost Distribution Amount	N/A	N/A	
139		Day Ahead Supplemental Reserve Amount	N/A	N/A	
140		Real Time Supplemental Reserve Amount	N/A	N/A	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
144		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
145		Net Regulation Adjustment Amount	N/A	N/A	
146		Total MISO ASM			
147					
148		Total Wholesale Market Charges			
149					
150					
151		Purchased Power			
152			[PROTECTED DATA BEGINS...]		
153		Edgeley PPA			
154		Langdon PPA			
155		Ashtabula III PPA			
156		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
157		WAPA Energy Imbalance			
158		Shared Loads			
159		Small Co-gen			
160		Bilateral purchases			
161		Market Purchases			MISO and SPP Energy Only
162				...PROTECTED DATA ENDS]	
163		Total Purchases	\$ 44.10	\$ 34.34	Tribal (WAPA) excluded from Total
164					
165		Wind Curtailment	\$ 39.22	\$ 51.41	
166					
167		Asset Based Sales	\$ 70.56	\$ 34.55	
168		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
169		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
170					
171		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
174					
175		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
176					
177		Total System - Plant Level	\$ 25.01	\$ 20.59	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Attachment 4
Docket No. E017/AA-22-214
Clean Version of
Tariff Sheet MN 13.01 – Energy Adjustment Rider



Fergus Falls, Minnesota

Minnesota Public Utilities Commission
Section 13.01
ELECTRIC RATE SCHEDULE
Energy Adjustment Rider

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Eighteenth Revision

ENERGY ADJUSTMENT RIDER

RULES AND REGULATIONS: Terms and conditions of this electric rate schedule and the General Rules and Regulations govern use of this rider.

There shall be added to or deducted from the monthly bill an Energy Adjustment Charge calculated by multiplying the customers applicable monthly billing kilowatt hours (kWh) by the billed Energy Adjustment Factor (EAF) per kWh (rounded to the nearest 0.001¢). The Current Period Cost of Energy shall be based upon the forecasted cost of energy for the current month, divided by all forecasted Kilowatt-Hour sales exclusive of intersystem sales for the current month. The applicable adjustment will be applied to each Customer's bill beginning with the first day of the calendar month. The forecasted cost of energy shall be determined based on forecasted information for the following items:

1. The forecasted cost of fuel, as recorded in Account 151, used in the Company's generating plants based on the forecasted dispatch of those plants.
2. The forecasted energy cost of purchased power included in Account 555 when such energy is purchased on an economic dispatch basis, exclusive of Capacity or Demand charges.
3. The forecasted net energy cost of purchases from a qualifying facility, as that term is defined in 18 C.F.R. Part 292 and Minn. Rule 7835.0100, Subp. 19, as amended, whether or not those purchases occur on an economic dispatch basis, and all fuel and purchased energy expenses incurred by the Company over the duration of any Commission-approved contract, as provided for by Minnesota Statutes, Section 216B.1645, except any such expense identified in 216B.1645, subd. 1(1), and subd. 1(2) to satisfy the renewable energy obligations set forth in Minnesota Statutes, Section 216B.1691.
4. All forecasted Midwest ISO (MISO) and Southwest Power Pool (SPP) costs and revenues associated with forecasted retail sales that have been authorized by the Commission to flow through this Energy Adjustment Rider and excluding MISO and SPP costs and revenues that are recoverable in base rates, as prescribed in applicable Commission Orders.
5. Renewable energy purchased for the TailWinds program is not included in the cost of energy adjustment calculation.



Fergus Falls, Minnesota

Minnesota Public Utilities Commission
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ELECTRIC RATE SCHEDULE
Energy Adjustment Rider

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Nineteenth Revision

6. The forecasted identifiable fuel costs associated with energy purchased for reasons other than in 2 and 3 above.
7. Less the forecasted fuel-related costs recovered through intersystem sales.
8. Less a credit for forecasted asset-based margins: forecasted revenues minus costs from asset-based wholesale energy and MISO ancillary services market (“ASM”) transactions (excluding ancillary services net revenues derived through OTP’s FERC-approved Control Area Services Operations Tariff) shall be credited to the cost of energy. The forecasted revenues for this calculation are those received from forecasted sales of excess generation; the forecasted costs are the fuel costs (as defined in FERC Account 501) and energy costs (including MISO costs that are booked to FERC Account 555) and any forecasted transmission costs incurred that are required to make such sales.
9. The forecasted costs of reagents for the Company to operate its generating plants in compliance with Federal Environmental Protection Agency rules and regulations.
10. The forecasted costs of fuel and reagents resulting from steam and water sales.
11. The proceeds from the forecasted revenues from steam and water sales shall be credited to (flow through) the energy adjustment rider.
12. Less a credit to provide Minnesota customers the full amount of avoided purchased power costs associated with 100 percent of the Hoot Lake Solar plant output. N
N
13. Known MISO Planning Resource Auction capacity costs will be added to the energy adjustment rider or revenues will be credited (flow through) the energy adjustment rider. N
N



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ELECTRIC RATE SCHEDULE
Energy Adjustment Rider

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Fourth Revision

CLASS ENERGY ADJUSTMENT FACTOR (EAF): A separate EAF will be determined for each customer service category defined by customer class. The EAF for each service category is the sum of the Current Period forecasted Cost of Energy multiplied by the applicable EAF Ratio, and the applicable annual true-up.

Service Category	Section	EAF Ratio
Residential	9.01, 9.02	1.0555
Farm	9.03	1.0281
General Service	10.01, 10.02, 10.03, 10.07	1.0461
Large General Service non TOD	10.04, 10.06, 14.03	1.0207
Large General Service TOD – Winter On-Peak	10.05, 10.06, 11.01	1.2673
Large General Service TOD – Winter Shoulder	10.05, 10.06, 11.01	1.1106
Large General Service TOD – Winter Off-Peak	10.05, 10.06, 11.01	0.8499
Large General Service TOD – Summer On-Peak	10.05, 10.06, 11.01	1.2664
Large General Service TOD – Summer Shoulder	10.05, 10.06, 11.01	0.9956
Large General Service TOD – Summer Off-Peak	10.05, 10.06, 11.01	0.6896
Irrigation Service	11.02	0.9250
Outdoor Lighting	11.03, 11.04, 11.07	0.8645
OPA	11.05	1.0210
Controlled Service Deferred Load	14.01, 14.06	0.9513
Controlled Service Interruptible	14.04,	0.9883
Controlled Service Off-Peak	14.07, 14.12	0.9164

C
C
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C

Forecasted Class EAF's are published on OTP's website at <https://www.otpc.com/pricing>.

In addition, subject to Commission approval, there shall be an annual true-up for any amount collected over or under the actual cost of energy for the twelve months ending December 31 of each year as reported in the Annual Automatic Adjustment True-up report to be filed by March 1 following the most recent reporting period. The annual true-up shall be based on a historic twelve-month period, comparing actual costs per kWh to the forecasted costs per kWh and shall be applied to the subsequent twelve months. The annual true-up will be effective on billings beginning the first of the month following Commission approval of the true-up, or as ordered by the Commission. In years when the over- or under-recovery amount is small (resulting in a true-up rate rounded to less than 0.001¢), the true-up balance will carry over to the next year's true-up.



Fergus Falls, Minnesota

Minnesota Public Utilities Commission
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ELECTRIC RATE SCHEDULE
Energy Adjustment Rider

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Second Revision

The annual true-up rate for each class shall be calculated as follows. The over- or under-recovery amount as shown in the current year Annual Automatic Adjustment True-up report will be divided by the forecasted Minnesota Kilowatt-Hours subject to the fuel adjustment clause for the proposed twelve month recovery period the true-up rate will be in effect and then multiplied by the applicable EAF ratio. This calculation will produce a true-up rate per Kilowatt-Hour (rounded to the nearest 0.001¢) for each class that will be added to or subtracted from the applicable forecasted class EAF's for the months the true-up factor is in effect and applied to Customers' bills as part of the monthly cost of Energy Adjustment Charge.

MANDATORY AND VOLUNTARY RIDERS: The amount of a bill for service will be modified by any Mandatory Rate Riders that must apply and by any Voluntary Rate Riders selected by the Customer, unless otherwise noted in this schedule. See Sections 12.00, 13.00 and 14.00 of the Minnesota electric rates for the matrices of riders.

Otter Tail Power Company
kWh SALES BY PRIMARY ENERGY SOURCE
Utilizes kWh Input
Docket No. E999/DI-07-1582

Line No.	Based on Period Ending	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
1	COAL	87,340,338	89,532,369	134,255,809	88,965,059	130,414,582	128,078,482	176,994,842	179,493,523	158,136,331	83,010,337	151,540,237	145,957,702
2	BIOMASS	0	0	0	0	0	0	0	0	0	0	0	0
3	HYDRO	785,215	720,413	585,158	906,111	1,383,551	1,196,886	923,650	348,748	302,646	326,431	609,088	758,350
4	GAS	21,861,005	11,472,158	13,551,972	22,356,927	26,498,834	73,746,021	66,665,070	59,633,668	23,156,917	39,553,072	38,293,334	31,719,656
5	WIND	70,608,209	85,962,833	96,339,698	204,134,087	102,625,485	60,297,029	56,597,474	72,267,087	70,520,321	108,961,227	116,641,511	100,430,260
6	SOLAR	35,210	252,123	372,412	626,057	1,344,245	2,484,532	6,168,889	7,684,822	6,722,792	3,051,771	3,914,019	2,326,094
7	FUEL OIL	(11,212)	0	0	(25,836)	(6,275)	0	0	(122,368)	(43,426)	0	(29,999)	(18,652)
8	UNKNOWN	365,131,863	333,598,704	296,715,099	196,176,199	170,865,069	206,041,908	154,443,326	115,081,884	133,194,553	256,304,403	218,548,475	248,006,797
9	1-MONTH TOTAL	545,750,628	521,538,600	541,820,148	513,138,604	433,125,491	471,844,858	461,793,251	434,387,364	391,990,134	491,207,241	529,516,665	529,180,207

Otter Tail Power Company
ENERGY COST BY PRIMARY ENERGY SOURCE
Docket No. E999/DI-07-1582

Based on Period Ending			Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-24
Line No.	FUEL COSTS BY ENERGY TYPE:													
1	GENERATION	COAL	\$2,017,425	\$2,494,887	\$3,806,122	\$2,395,987	\$3,659,671	\$3,533,159	\$4,224,696	\$4,084,093	\$3,925,256	\$2,324,012	\$2,740,063	\$3,903,360
2		BIOMASS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3		HYDRO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4		GAS	\$928,410	\$368,315	\$375,562	\$635,059	\$669,607	\$1,890,713	\$1,809,642	\$1,609,277	\$582,584	\$1,085,123	\$1,198,984	\$751,522
5		WIND	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		FUEL OIL	\$1,036	\$11	\$10,372	(\$8,349)	\$2,280	\$3,685	\$1,952	\$54,298	(\$19,207)	\$10,039	\$13,893	\$269,838
7		UNKNOWN	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	PURCHASES	COAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	NET	BIOMASS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		HYDRO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11		GAS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12		WIND	\$63,775	\$314,992	\$807,498	\$588,221	\$541,932	\$376,014	\$18,469	\$262,790	\$306,753	\$362,702	\$560,221	\$532,534
13		SOLAR	\$1,629	\$1,918	\$5,274	\$6,526	\$9,500	\$11,809	\$9,033	\$12,420	\$9,128	\$8,789	\$5,551	\$4,829
14		FUEL OIL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		UNKNOWN	\$24,197,974	\$9,495,087	\$5,913,345	\$1,518,867	\$1,699,462	\$1,220,479	\$3,203,208	\$1,755,844	\$2,149,916	\$5,537,555	\$5,124,374	\$5,473,225
16		1-MONTH TOTAL	\$27,210,249	\$12,675,210	\$10,918,174	\$5,136,309	\$4,132,171	\$7,035,859	\$9,267,001	\$7,778,724	\$6,954,431	\$9,348,312	\$9,643,084	\$10,935,309
17	RETAIL kWh SALES	1-MONTH TOTAL	591,233,807	552,289,646	524,700,322	508,152,664	442,834,206	450,001,744	455,886,179	440,330,683	440,438,337	425,758,081	475,685,935	511,614,225
18	ACTUAL COST (cents/kWh)		4.60228	2.29503	2.08084	1.01078	0.93312	1.56352	2.03274	1.76656	1.57898	2.19569	2.02720	2.13741
ONE-MONTH COST DISTRIBUTION BY ENERGY TYPE:														
19	GENERATION	COAL	0.34122	0.45174	0.72539	0.47151	0.82642	0.78514	0.92670	0.92751	0.89122	0.54585	0.57602	0.76295
20		BIOMASS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21		HYDRO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22		GAS	0.15703	0.06669	0.07158	0.12497	0.15121	0.42016	0.39695	0.36547	0.13227	0.25487	0.25205	0.14689
23		WIND	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24		FUEL OIL	0.00018	0.00000	0.00198	-0.00164	0.00051	0.00082	0.00043	0.01233	-0.00436	0.00236	0.00292	0.05274
25		UNKNOWN	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26	PURCHASES	COAL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
27		BIOMASS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28		HYDRO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
29		GAS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30		WIND	0.01079	0.05703	0.15390	0.11576	0.12238	0.08356	0.00405	0.05968	0.06965	0.08519	0.11777	0.10409
31		SOLAR	0.00028	0.00035	0.00101	0.00128	0.00215	0.00262	0.00198	0.00282	0.00207	0.00206	0.00117	0.00094
32		FUEL OIL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
33		UNKNOWN	4.09279	1.71922	1.12699	0.29890	0.38377	0.27122	0.70263	0.39876	0.48813	1.30063	1.07726	1.06980
34	ACTUAL COST (cents/kWh)		4.60228	2.29503	2.08084	1.01078	1.48644	1.56352	2.03274	1.76656	1.57898	2.19097	2.02720	2.13741

Response to cost per Mbtu request from Burl Haar Letter of March 31, 2008 - Docket No. E999/DI-07-1582

Source of data: OTP Fuel cost per Million Btus for steam plants

MONTHLY COST COMPONENTS BY FUEL TYPE

January February March April May June July August September October November December

Cost of delivered coal by plant (1)**[PROTECTED DATA BEGINS**

2008 Big Stone cost per Mbtu
 2009 Big Stone cost per Mbtu
 2010 Big Stone cost per Mbtu
 2011 Big Stone cost per Mbtu
 2012 Big Stone cost per Mbtu
 2013 Big Stone cost per Mbtu
 2014 Big Stone cost per Mbtu
 2015 Big Stone cost per Mbtu
 2016 Big Stone cost per Mbtu
 2017 Big Stone cost per Mbtu
 2018 Big Stone cost per Mbtu
 2019 Big Stone cost per Mbtu
 2020 Big Stone cost per Mbtu
 2021 Big Stone cost per Mbtu
 2022 Big Stone cost per Mbtu
 2023 Big Stone cost per Mbtu

2008 Coyote cost per Mbtu
 2009 Coyote cost per Mbtu
 2010 Coyote cost per Mbtu
 2011 Coyote cost per Mbtu
 2012 Coyote cost per Mbtu
 2013 Coyote cost per Mbtu
 2014 Coyote cost per Mbtu
 2015 Coyote cost per Mbtu
 2016 Coyote cost per Mbtu
 2017 Coyote cost per Mbtu
 2018 Coyote cost per Mbtu
 2019 Coyote cost per Mbtu
 2020 Coyote cost per Mbtu
 2021 Coyote cost per Mbtu
 2022 Coyote cost per Mbtu
 2023 Coyote cost per Mbtu

(1) Effective July 2008 fuel oil burned for generation is included

...PROTECTED DATA ENDS]

Response to cost per Mbtu request from Burl Haar Letter of March 31, 2008 - Docket No. E999/DI-07-1582

Source of data: OTP Fuel cost per Million Btus for steam plants

MONTHLY COST COMPONENTS BY FUEL TYPE

	January	February	March	April	May	June	July	August	September	October	November	December
Cost of delivered natural gas	[PROTECTED DATA BEGINS											
2008 Solway Plant cost per Mbtu												
2009 Solway Plant cost per Mbtu												
2010 Solway Plant cost per Mbtu												
2011 Solway Plant cost per Mbtu												
2012 Solway Plant cost per Mbtu												
2013 Solway Plant cost per Mbtu												
2014 Solway Plant cost per Mbtu												
2015 Solway Plant cost per Mbtu												
2016 Solway Plant cost per Mbtu												
2017 Solway Plant cost per Mbtu												
2018 Solway Plant cost per Mbtu												
2019 Solway Plant cost per Mbtu												
2020 Solway Plant cost per Mbtu												
2021 Solway Plant cost per Mbtu												
2022 Solway Plant cost per Mbtu												
2023 Solway Plant cost per Mbtu												
2021 Astoria Plant cost per Mbtu												
2022 Astoria Plant cost per Mbtu												
2023 Astoria Plant cost per Mbtu												
Cost of delivered nuclear fuel - not applicable	. . . PROTECTED DATA ENDS]											
Cost of delivered oil												
2008 IC Plants and FF Control Ctr diesel, \$/Mbtu	16.36	16.71	16.79	16.71	0	15.14	18.07	16.50	12.64	17.50	13.79	17.00
2009 IC Plants and FF Control Ctr diesel, \$/Mbtu	13.57	0.00	0.00	12.64	15.36	0.00	0.00	16.79	16.07	16.07	15.79	15.79
2010 IC Plants and FF Control Ctr diesel, \$/Mbtu	16.07	12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29	16.21	17.21
2011 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43	20.21	17.29
2012 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	20.57	20.57	20.57	19.86	19.93	20.93	14.29	22.07	17.93	22.21
2013 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.71	0.00	19.36	17.86	0.00	17.79	0.00	21.36	17.86	17.79	19.00	22.07
2014 IC Plants and FF Control Ctr diesel, \$/Mbtu	21.21	22.14	20.07	19.07	22.14	19.93	21.00	0.00	22.29	19.93	0.00	19.93
2015 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.93	21.64	22.14	14.29	20.50	21.14	21.64	15.93	0.00	16.07	20.65	20.95
2016 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.62	21.32	18.20	22.14	16.36	22.13	21.15	22.22	20.18	16.15	16.15
2017 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.37	19.32	16.87	20.19	16.72	20.13	20.17	21.67	21.90	17.28	22.11
2018 IC Plants and FF Control Ctr diesel, \$/Mbtu	20.67	16.15	18.70	22.11	18.42	16.57	20.86	19.42	17.50	20.05	20.05	16.61
2019 IC Plants and FF Control Ctr diesel, \$/Mbtu	18.78	17.74	17.13	17.82	16.80	0.00	0.00	0.00	0.00	17.11	17.81	16.72
2020 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.40	17.05	14.38	15.67	15.69	14.92	15.23	14.65	14.28	14.65	14.54	14.28
2021 IC Plants and FF Control Ctr diesel, \$/Mbtu	14.52	14.86	14.78	14.90	0.00	14.87	14.83	0.00	15.70	15.92	15.73	0.00
2022 IC Plants and FF Control Ctr diesel, \$/Mbtu	15.55	16.03	15.72	15.70	15.97	17.16	18.18	22.72	18.98	18.52	20.80	21.36
2023 IC Plants and FF Control Ctr diesel, \$/Mbtu	20.33	15.71	19.37	20.06	20.12	16.47	17.67	19.71	18.95	19.52	25.98	7.53
Cost of wholesale purchases (\$/MWh) without RSG or RNU charges (2)												
2008 Purchased Power	61.28	74.56	69.65	68.19	39.65	49.85	57.12	52.07	42.47	45.91	49.02	52.47
2009 Purchased Power	59.90	59.86	32.18	26.22	34.01	32.41	32.04	38.92	37.51	44.60	36.69	41.36
2010 Purchased Power	58.11	57.90	49.57	49.04	37.80	33.02	37.69	41.60	40.25	39.47	28.31	33.43
2011 Purchased Power	35.68	35.89	31.89	32.53	38.17	84.70	12.52	48.38	35.39	31.31	26.86	32.18
2012 Purchased Power	31.08	30.72	30.75	25.00	29.55	34.91	38.41	45.41	38.95	28.64	30.13	31.64
2013 Purchased Power	33.82	32.37	31.50	36.33	35.14	30.56	36.22	38.82	47.32	31.31	31.04	39.19
2014 Purchased Power	39.32	48.75	49.66	27.76	48.69	33.97	32.60	29.36	28.60	33.58	33.55	34.85
2015 Purchased Power	38.50	35.43	35.23	28.46	28.50	27.05	28.15	31.51	27.51	27.00	21.91	21.44
2016 Purchased Power	27.88	25.03	23.90	23.15	22.89	24.35	34.24	36.67	29.49	24.10	26.47	27.93
2017 Purchased Power	29.77	25.82	27.00	28.86	28.80	28.26	28.93	26.62	25.05	25.17	31.12	22.29
2018 Purchased Power	36.16	31.00	27.24	29.54	29.23	28.62	38.93	36.53	30.21	28.62	30.66	34.45
2019 Purchased Power	29.84	36.30	34.16	28.04	24.78	22.66	24.02	22.08	27.57	22.86	27.63	24.12
2020 Purchased Power	23.99	26.18	24.00	21.89	18.96	14.65	19.85	20.78	18.99	19.48	12.12	26.77
2021 Purchased Power	24.25	41.25	21.37	15.23	16.15	19.39	32.82	31.97	17.51	32.50	42.46	24.88
2022 Purchased Power	25.76	27.94	28.19	26.27	28.88	36.23	36.56	48.30	52.06	28.94	29.94	45.94
2023 Purchased Power	68.02	30.86	24.59	13.71	5.10	9.46	24.47	23.42	22.61	24.81	26.53	26.14

(2) Is not retail

**MISO Module E Data For Otter Tail Power Company
As of January 31, 2024**

AGGREGATE RESOURCES AS DEFINED BY MISO - Values reflect the Season Accredited Capacity (SAC)

No.	Aggregate Resources	Designation	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
1	Big Stone Plant	OTP.BIGSTON1	262.9	262.9	262.9	251.0	251.0	251.0	257.7	257.7	257.7	255.6	255.6	255.6
2	Coyote Station	OTP.COYOT1	141.4	141.4	141.4	116.3	116.3	116.3	133.7	133.7	133.7	132.1	132.1	132.1
3	FPL Energy ND Wind II	OTP.EDGLYEDGL	2.8	2.8	2.8	4.1	4.1	4.1	4.2	4.2	4.2	3.4	3.4	3.4
6	Jamestown 1	OTP.JAMSPK1	20.7	20.7	20.7	23.4	23.4	23.4	24.7	24.7	24.7	23.5	23.5	23.5
7	Jamestown 2	OTP.JAMSPK2	18.3	18.3	18.3	22.9	22.9	22.9	24.0	24.0	24.0	22.7	22.7	22.7
8	Lake Preston	OTP.HETLA1	19.8	19.8	19.8	21.0	21.0	21.0	24.0	24.0	24.0	21.6	21.6	21.6
9	Solway	OTP.SOLWAYO1	43.7	43.7	43.7	44.3	44.3	44.3	41.3	41.3	41.3	44.2	44.2	44.2
11	Hoot Lake Solar	OTP.HLSOLAR	-	-	-	-	-	-	2.5	2.5	2.5	25.0	25.0	25.0

LOCAL RESOURCES AS DEFINED BY MISO - Values reflect the Season Accredited Capacity (SAC)

No.	Local Resource	Designation	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
1	Ashtabula	OTP.ASHTABULA	8.4	8.4	8.4	11.6	11.6	11.6	25.2	25.2	25.2	10.2	10.2	10.2
2	AshtabulaIII	OTP.ASHTAIII	12.1	12.1	12.1	16.2	16.2	16.2	34.5	34.5	34.5	12.9	12.9	12.9
3	Langdon	OTP.LANGDN1	7.0	7.0	7.0	11.7	11.7	11.7	22.6	22.6	22.6	10.7	10.7	10.7
4	Langdon	OTP.LANGDN2	3.6	3.6	3.6	5.8	5.8	5.8	10.1	10.1	10.1	5.3	5.3	5.3
5	Luverne	OTP.MPWR	10.1	10.1	10.1	15.6	15.6	15.6	27.8	27.8	27.8	11.0	11.0	11.0
6	Astoria Station	OTP.ASTORIA	232.8	232.8	232.8	225.1	225.1	225.1	248.4	248.4	248.4	251.1	251.1	251.1
7	Merricourt	OTP.MERRICOURT	37.4	37.4	37.4	36.9	36.9	36.9	78.0	78.0	78.0	53.5	53.5	53.5

BEHIND-THE-METER RESOURCES AS DEFINED BY MISO - Values reflect the Season Accredited Capacity (SAC)

No.	BTM Resource	Designation	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
1	Dayton Hollow Hydro #1	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	Dayton Hollow Hydro #2	OTP.OTP	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
3	Hoot Lake Hydro	OTP.OTP	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7
[PROTECTED DATA BEGINS . . .														
4	Kindred School Diesel	OTP.OTP												
6	Stevens Community	OTP.OTP												
. . . PROTECTED DATA ENDS]														
7	Pisgah Hydro	OTP.OTP	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	Taplin Gorge Hydro	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

EXTERNAL RESOURCES AS DEFINED BY MISO - Values reflect the Season Accredited Capacity (SAC)

No.	External Resources	Designation	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
1	Garrison Hydro Plant		4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2	Garrison Hydro Plant 2		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4

PRC TRANSACTIONS AS DEFINED BY MISO - Values reflect the Planning Resource Credit rating (PRC)

No.	PRC Transaction	Designation	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
1	None													
Total			834.8	834.8	834.8	819.9	819.9	819.9	972.6	972.6	972.6	897.1	897.1	897.1

OTTER TAIL POWER COMPANY
ESTIMATE OF MINNESOTA'S SHARE OF
MISO CHARGE TYPES
EXPENSE (REVENUE)

Charge Type Description		System - Retail January - December 2023	Minnesota - Retail January - December 2023
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss		
1	DA Asset Energy Amount	\$ 64,385,794.95	\$ 30,978,710.15
2	DA FBT Loss Amount	\$ -	\$ -
3	DA Non-asset Energy Amount	\$ (1,972,091.58)	\$ (948,856.09)
4	RT Asset Energy Amount	\$ (3,901,075.97)	\$ (1,876,971.49)
5	RT Distribution of Losses Amount	\$ (2,783,578.58)	\$ (1,339,296.57)
6	RT FBT Loss Amount	\$ -	\$ -
7	DA Loss Amount	\$ 7,102,864.28	\$ 3,417,486.33
8	RT Loss Amount	\$ 579,668.91	\$ 278,903.06
9	RT Non-Asset Energy Amount	\$ 392.61	\$ 188.90
10	DA Losses Rebate on Option B GFA	\$ -	\$ -
Virtual Energy			
11	DA Virtual Energy Amount	\$ -	\$ -
12	RT Virtual Energy Amount	\$ -	\$ -
Schedules 16 & 17			
13	DA Mkt Admin Amount	\$ 800,693.03	\$ 385,247.05
14	RT Mkt Admin Amount	\$ 106,591.20	\$ 51,285.50
15	FTR Mkt Admin Amount	\$ 19,663.52	\$ 9,460.95
Congest & FTRs			
16	DA FBT Congestion Amount	\$ -	\$ -
17	DA Congestion	\$ 25,896,159.02	\$ 12,459,729.74
18	RT FBT Congestion Amount	\$ -	\$ -
19	RT Congestion	\$ 3,641,167.36	\$ 1,751,918.55
20	FTR Hourly Allocation Amount	\$ (46,533,298.94)	\$ (22,389,124.52)
21	FTR Monthly Allocation Amount	\$ (1,313,006.23)	\$ (631,742.44)
22	FTR Yearly Allocation Amount	\$ (61,725.85)	\$ (29,698.90)
23	FTR Monthly Transaction Amount	\$ -	\$ -
24	FTR Full Funding Guarantee Amount	\$ (1,747,527.39)	\$ (840,808.82)
25	FTR Guarantee Uplift Amount	\$ 1,672,330.94	\$ 804,628.65
26	FTR Auction Revenue Rights Transaction Amount	\$ (61,607,487.39)	\$ (29,641,949.70)
27	FTR Annual Transaction Amount	\$ 59,602,058.61	\$ 28,677,053.68
28	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 138,296.94	\$ 66,540.47
29	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (1,922,624.70)	\$ (925,055.49)
30	DA Congestion Rebate on Option B GFA	\$ -	\$ -
RSG & Make Whole Payments			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 117,632.44	\$ 56,597.91
32	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (64,283.15)	\$ (30,929.32)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 134,825.98	\$ 64,870.44
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ -
35	RT Price Volatility Make Whole Payment	\$ (472,047.25)	\$ (227,121.76)
Revenue Neutrality Uplift			
36	RT Revenue Neutrality Uplift Amount	\$ 1,769,275.77	\$ 851,272.88
Other Charges			
37	RT Misc Amount	\$ 9,949.06	\$ 4,786.91
38	RT Net Inadvertent Amount	\$ (46,925.30)	\$ (22,577.73)
39	RT Uninstructed Deviation Amount	\$ -	\$ -
40	RT Demand Response Allocation Uplift Amount	\$ 20,302.79	\$ 9,768.52
41	DA Ramp Product	\$ (43,203.89)	\$ (20,787.21)
42	RT Ramp Product	\$ (6,659.19)	\$ (3,204.02)
43	RT Schedule 49 Cost Distribution Amount	\$ 314,584.47	\$ 151,359.80
ASM Charges			
44	RT ASM Non-Excessive Energy Amount	\$ 11,972,601.05	\$ 5,760,521.21
45	RT ASM Excessive Energy Amount	\$ 38,610.01	\$ 18,576.90
Grandfathered Charge Types			
46	DA Congestion Rebate on COGA	\$ -	\$ -
47	DA Losses Rebate on COGA	\$ -	\$ -
48	RT Congestion Rebate on COGA	\$ -	\$ -
49	RT Loss Rebate on COGA	\$ -	\$ -
50	TOTAL CHARGES	\$ 55,847,927.53	\$ 26,870,783.55
51	Less Schedule 16 & 17 (Lines 13, 14, 15)	\$ (926,947.75)	
52	Congestion and Losses Adjustment	\$ 63,239.80	
53	No DA generation sch., but still had output	\$ (177,346.49)	
54	Total 2023 MISO Charges	\$ 54,806,873.09	

Percent of Minnesota Sales to System 2,799,727,419 / 5,818,925,830 = 0.481141623

Fuel Costs Allocated to Minnesota \$120,763,238 x 0.481141623 = \$58,104,220.52

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(593,371)	\$ (30,264,498.54)	241,307	\$ 18,770,526.24	(1,623)	\$ (48,475.44)	8,721	\$ 369,692.23	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (60,320.95)		\$ 721.86								
61	Congestion and Losses Adjustment			\$ 14,458.64										
62	No DA generation sch., but still had output for current month			\$ (8,187.53)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (30,210,448.70)		\$ 18,769,804.38								
66	Net Retail for MN Energy Adjustment Rider					\$ (11,440,644.32)								
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 321,216.79				\$ -	
69	Less: Fuel Cost							7,101	\$ 209,329.40				\$ -	
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales								\$ 127.70				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 111,759.69				\$ -	

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(544,619)	\$ (13,441,532.05)	228,321	\$ 5,585,125.99	0	\$ -	2,510	\$ 86,925.49	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	6,684	\$ 288,699.98	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(25,313)	\$ 18,434.43	23,079	\$ 1,093,761.80	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(569,932)	\$ (13,423,097.62)	258,084	\$ 6,967,587.77	0	\$ -	2,510	\$ 86,925.49	0	\$ -	0	\$ -
Day Ahead & Real Time Energy Loss														
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
7	RT Distribution of Losses Amount	555.24	0	\$ (48,282.60)	0	\$ 318,730.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (351,671.31)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (89,366.20)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (489,320.11)	0	\$ 318,730.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (69,883.97)	0	\$ -	0	\$ (186.75)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (10,242.33)	0	\$ 775.89	0	\$ (1,575.55)	0	\$ -	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,856.08)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (81,982.38)	0	\$ 775.89	0	\$ (1,762.30)	0	\$ -	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,925,546.34)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (491,687.07)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (138,179.53)	0	\$ 3,051,348.49	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 73,035.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (70,365.56)	0	\$ 139,155.42	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (139,155.42)	0	\$ 70,365.56	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (296,192.80)	0	\$ 7,779,289.85	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (7,776,771.93)	0	\$ 296,192.78	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (9,194.27)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 108,463.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (8,921,546.58)	0	\$ 9,592,304.40	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (12,182.97)	0	\$ -	0	\$ (359.18)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (13,786.83)	0	\$ 132.02	0	\$ (406.20)	0	\$ 3.84	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 14,284.47	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 18,603.67	0	\$ -	0	\$ 548.70	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (25,969.80)	0	\$ 18,735.69	0	\$ (765.38)	0	\$ 14,837.01	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (56.67)	0	\$ 30,610.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (11,387.50)	0	\$ 20,313.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (67,692.63)	0	\$ 53,385.79	0	\$ (1,996.46)	0	\$ 1,574.28	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (5,022.06)	0	\$ 32.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 369.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (209.70)	0	\$ 120.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (59,657.08)	0	\$ 116.88	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (144,025.64)	0	\$ 104,948.42	0	\$ (1,996.46)	0	\$ 1,574.28	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(33,614)	\$ (674,318.09)	31,752	\$ 364,435.40	(469)	\$ (95,732.72)	15,287	\$ 208,147.85	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(3)	\$ (4,378.59)	374	\$ 198.73	0	\$ (552.58)	57	\$ 214.09	0	\$ -	0	\$ -
53	SUBTOTAL		(33,617)	\$ (678,696.68)	32,126	\$ 364,634.13	(469)	\$ (96,285.30)	15,344	\$ 208,361.94	0	\$ -	0	\$ -

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(603,549)	\$ (23,764,638.81)	290,210	\$ 17,367,717.13	(469)	\$ (100,809.44)	17,854	\$ 311,698.72	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (81,982.38)		\$ 775.89								
61	Congestion and Losses Adjustment			\$ 20,392.77										
62	No DA generation sch., but still had output for current month			\$ (10,583.68)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (23,692,465.52)		\$ 17,366,941.24								
66	Net Retail for MN Energy Adjustment Rider				\$ (6,325,524.28)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 210,889.28				\$ -	
69	Less: Fuel Cost							17,385	\$ 421,159.87				\$ -	
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales												\$ -	
75									\$ 239.15				\$ -	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ (210,509.74)				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2023 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(623,228)	\$ (24,746,739.05)	358,203	\$ 18,640,056.47	(585)	\$ (40,741.16)	36,753	\$ 1,085,607.08	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (77,372.85)		\$ 686.54								
61	Congestion and Losses Adjustment			\$ 75,947.92										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (24,745,314.12)		\$ 18,639,369.93								
66	Net Retail for MN Energy Adjustment Rider				\$ (6,105,944.19)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)									\$ 1,044,865.92				\$ -
69	Less: Fuel Cost								36,150	\$ 859,797.55				\$ -
70	Less: Misc Cost Adjustment									\$ -				\$ -
71	Plus: Capacity Revenue													\$ -
72	Plus: Bilateral Sales													\$ -
73	Less: Bilateral Purchases													\$ -
74	Less: Schedule 24 for Asset Based Sales									\$ 502.31				\$ -
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 184,566.06				\$ -

Otter Tail Power Company Detail of MISO Day 2 Charges - System April 2023 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(496,488)	\$ (19,922,255.84)	329,237	\$ 18,107,696.23	(339)	\$ (20,204.23)	21,466	\$ 571,758.32	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (75,900.68)		\$ 853.48								
61	Congestion and Losses Adjustment			\$ (155,986.74)										
62	No DA generation sch., but still had output for current month			\$ (45,283.16)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (19,645,085.26)		\$ 18,106,842.75								
66	Net Retail for MN Energy Adjustment Rider					\$ (1,538,242.51)								
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)								\$	551,554.09			\$	-
69	Less: Fuel Cost								21,128	\$ 488,187.03			\$	-
70	Less: Misc Cost Adjustment									\$ -			\$	-
71	Plus: Capacity Revenue												\$	-
72	Plus: Bilateral Sales												\$	-
73	Less: Bilateral Purchases												\$	-
74	Less: Schedule 24 for Asset Based Sales									\$ 297.17			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 63,069.89			\$	-

<p align="center">Otter Tail Power Company Detail of MISO Day 2 Charges - System May 2023 includes any adjustments</p>												
Charge Type Description		(A) Acct	(B) RETAIL		(D) MWh	(E) Revenue	(F) ASSET BASED WHOLESALE		(H) MWh	(I) Revenue	(J) NON ASSET BASED WHOLESALE	
			MWh	Cost			MWh	Cost			MWh	Cost
No.	Day Ahead & Real Time Energy											
1	DA Asset Energy Amount	555.02	(483,612)	\$ (11,847,981.65)	332,144	\$ 8,441,243.91	0	\$ -	20,863	\$ 710,463.08	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,135	\$ 104,250.34	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(14,571)	\$ (322,257.56)	49,224	\$ 1,148,553.00	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(498,184)	\$ (12,170,239.21)	385,503	\$ 9,694,047.25	0	\$ -	20,863	\$ 710,463.08	0	\$ -
No.	Day Ahead & Real Time Energy Loss											
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
7	RT Distribution of Losses Amount	555.24	0	\$ (78,709.48)	0	\$ 155,595.73	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (582,354.29)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (5,247.31)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (666,311.08)	0	\$ 155,595.73	0	\$ -	0	\$ -	0	\$ -
No.	Virtual Energy											
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
No.	Schedules 16 & 17											
16	DA Mkt Admin Amount	555.01	0	\$ (73,622.30)	0	\$ -	0	\$ (1,870.93)	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (10,960.21)	0	\$ 1,449.87	0	\$ (2,547.29)	0	\$ 0.07	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,850.64)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (86,433.15)	0	\$ 1,449.87	0	\$ (4,418.22)	0	\$ 0.07	0	\$ -
No.	Congestion & FTRs											
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,502,212.54)	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (40,749.35)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (337,059.48)	0	\$ 2,960,542.88	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 178,686.28	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (173,731.21)	0	\$ 278,405.68	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (278,405.68)	0	\$ 210,757.42	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (206,697.51)	0	\$ 6,437,665.22	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (6,423,182.78)	0	\$ 206,829.38	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (31,407.02)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 115,534.11	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (7,491,233.03)	0	\$ 8,886,208.43	0	\$ -	0	\$ -	0	\$ -
No.	RSG & Make Whole Payments											
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (9,267.97)	0	\$ 0.18	0	\$ (766.60)	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 5,607.56	0	\$ -	0	\$ 8,604.15	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (13,358.38)	0	\$ 3.17	0	\$ (1,104.60)	0	\$ 0.20	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 67,753.03	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (2.56)	0	\$ 36,947.35	0	\$ (0.20)	0	\$ 3,056.80	0	\$ -
41	SUBTOTAL		0	\$ (22,628.91)	0	\$ 42,558.26	0	\$ (1,871.40)	0	\$ 79,414.18	0	\$ -
No.	RNU & Misc Charges											
42	RT Misc Amount	555.25	0	\$ (1,977.02)	0	\$ 0.29	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (23,518.42)	0	\$ 18,797.97	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (102,092.34)	0	\$ 43,619.60	0	\$ (8,446.25)	0	\$ 3,608.48	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (12.87)	0	\$ 20.32	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 2,635.25	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (415.77)	0	\$ 2,765.85	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (26,265.76)	0	\$ 686.92	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (154,282.18)	0	\$ 68,526.20	0	\$ (8,446.25)	0	\$ 3,608.48	0	\$ -
No.	ASM Charges											
51	RT ASM Non-Excessive Energy Amount	555.55	(58,045)	\$ (1,147,400.50)	25,205	\$ 348,252.42	(1,807)	\$ (35,424.46)	22,989	\$ 564,775.34	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(405)	\$ (2,592.36)	257	\$ 10,377.75	0	\$ -	7	\$ 128.65	0	\$ -
53	SUBTOTAL		(58,450)	\$ (1,149,992.86)	25,462	\$ 358,630.17	(1,807)	\$ (35,424.46)	22,996	\$ 564,903.99	0	\$ -

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(556,633)	\$ (21,741,120.42)	410,965	\$ 19,207,015.91	(1,807)	\$ (50,160.33)	43,859	\$ 1,358,389.80	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (86,433.15)		\$ 1,449.87								
61	Congestion and Losses Adjustment			\$ 62,667.79										
62	No DA generation sch., but still had output for current month			\$ (2,545.54)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (21,714,809.52)		\$ 19,205,566.04								
66	Net Retail for MN Energy Adjustment Rider				\$ (2,509,244.76)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)									\$ 1,308,229.47			\$ -	
69	Less: Fuel Cost								42,042	\$ 1,031,733.59				
70	Less: Misc Cost Adjustment									\$ -			\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales									\$ 632.23			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 275,863.65			\$ -	

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(518,819)	\$ (19,656,958.26)	335,510	\$ 15,127,985.18	(1,306)	\$ (30,508.48)	24,604	\$ 708,891.43	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (79,251.03)		\$ 212.73								
61	Congestion and Losses Adjustment			\$ (4,321.99)										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (19,573,385.24)		\$ 15,127,772.45								
66	Net Retail for MN Energy Adjustment Rider				\$ (4,445,612.79)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 678,382.95				\$ -	
69	Less: Fuel Cost							23,298	\$ 531,713.87					
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales												\$ -	
75									\$ 332.16					
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 146,336.92				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System July 2023 includes any adjustments																									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)											
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE														
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue											
No.	Day Ahead & Real Time Energy																								
1	DA Asset Energy Amount	555.02	(442,849)	\$ (14,349,274.07)	336,794	\$ 11,400,966.76	0	\$ -	21,393	\$ 824,909.82	0	\$ -	0	\$ -											
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,021	\$ 138,312.85	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
3	RT Asset Energy Amount	555.19	(11,973)	\$ (392,297.04)	15,377	\$ 467,569.78	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
4	RT Non-Asset Energy Amount	555.26	(1)	\$ (22.83)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
5	SUBTOTAL		(454,823)	\$ (14,741,593.94)	356,192	\$ 12,006,849.39	0	\$ -	21,393	\$ 824,909.82	0	\$ -	0	\$ -											
Day Ahead & Real Time Energy Loss																									
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
7	RT Distribution of Losses Amount	555.24	0	\$ (86,032.49)	0	\$ 312,712.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
9	DA Loss Amount		0	\$ (672,013.78)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
10	RT Loss Amount		0	\$ (5,855.09)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
12	SUBTOTAL		0	\$ (763,901.36)	0	\$ 312,712.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
Virtual Energy																									
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
Schedules 16 & 17																									
16	DA Mkt Admin Amount	555.01	0	\$ (62,157.17)	0	\$ -	0	\$ (1,732.99)	0	\$ -	0	\$ -	0	\$ -											
17	RT Mkt Admin Amount	555.18	0	\$ (8,689.50)	0	\$ 214.08	0	\$ (2,538.02)	0	\$ -	0	\$ -	0	\$ -											
18	FTR Mkt Admin Amount	555.13	0	\$ (1,798.80)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
19	SUBTOTAL		0	\$ (72,645.47)	0	\$ 214.08	0	\$ (4,271.01)	0	\$ -	0	\$ -	0	\$ -											
Congestion & FTRs																									
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
21	DA Congestion		0	\$ -	0	\$ (782,886.92)	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
23	RT Congestion		0	\$ 2,062.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
24	FTR Hourly Allocation Amount	555.14	0	\$ (50,114.03)	0	\$ 1,139,310.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 73,197.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (73,180.26)	0	\$ 42,737.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
29	FTR Guarantee Uplift Amount	555.37	0	\$ (42,737.76)	0	\$ 91,927.54	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (13,694.01)	0	\$ 3,926,951.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
31	FTR Annual Transaction Amount	555.38	0	\$ (3,572,149.89)	0	\$ 13,755.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (2,328.02)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 197,429.46	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
35	SUBTOTAL		0	\$ (3,752,141.95)	0	\$ 4,702,422.80	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
RSG & Make Whole Payments																									
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (9,000.17)	0	\$ -	0	\$ (1,003.47)	0	\$ -	0	\$ -	0	\$ -											
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 9,575.16	0	\$ -	0	\$ 4,539.43	0	\$ -	0	\$ -											
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (14,727.00)	0	\$ 45.48	0	\$ (1,641.91)	0	\$ 4.92	0	\$ -	0	\$ -											
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 5,029.78	0	\$ -	0	\$ -											
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (56.37)	0	\$ 120,726.69	0	\$ (6.27)	0	\$ 13,462.44	0	\$ -	0	\$ -											
41	SUBTOTAL		0	\$ (23,783.54)	0	\$ 130,347.33	0	\$ (2,651.65)	0	\$ 23,036.57	0	\$ -	0	\$ -											
RNU & Misc Charges																									
42	RT Misc Amount	555.25	0	\$ (132,393.85)	0	\$ 471.19	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
43	RT Net Inadvertent Amount	555.27	0	\$ (30,141.74)	0	\$ 26,350.48	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (91,801.96)	0	\$ 29,341.73	0	\$ (10,236.66)	0	\$ 3,271.76	0	\$ -	0	\$ -											
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (1,198.30)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
47	DA Ramp Product	555.63	0	\$ -	0	\$ 3,087.90	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
48	RT Ramp Product	555.64	0	\$ (1,080.09)	0	\$ 4,777.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (23,692.10)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
50	SUBTOTAL		0	\$ (280,308.04)	0	\$ 64,028.51	0	\$ (10,236.66)	0	\$ 3,271.76	0	\$ -	0	\$ -											
ASM Charges																									
51	RT ASM Non-Excessive Energy Amount	555.55	(61,903)	\$ (1,451,102.52)	17,736	\$ 484,104.12	(970)	\$ (19,015.44)	29,742	\$ 1,038,873.27	0	\$ -	0	\$ -											
52	RT ASM Excessive Energy Amount	555.56	(0)	\$ (4,149.47)	268	\$ 11.90	0	\$ (79.18)	17	\$ 287.06	0	\$ -	0	\$ -											
53	SUBTOTAL		(61,903)	\$ (1,455,251.99)	18,004	\$ 484,116.02	(970)	\$ (19,094.62)	29,758	\$ 1,039,160.33	0	\$ -	0	\$ -											

Otter Tail Power Company Detail of MISO Day 2 Charges - System July 2023 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(516,726)	\$ (21,089,626.29)	374,195	\$ 17,700,690.21	(970)	\$ (36,253.94)	51,151	\$ 1,890,378.48	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (72,645.47)		\$ 214.08								
61	Congestion and Losses Adjustment			\$ 181,853.51										
62	No DA generation sch., but still had output for current month			\$ (33,428.98)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (21,165,405.35)		\$ 17,700,476.13								
66	Net Retail for MN Energy Adjustment Rider				\$ (3,464,929.22)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)									\$ 1,854,124.54			\$ -	
69	Less: Fuel Cost								50,180	\$ 1,364,896.11			\$ -	
70	Less: Misc Cost Adjustment									\$ -			\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales									\$ 617.39			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 488,611.04			\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System August 2023 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL		MWh	Revenue	ASSET BASED WHOLESALE		MWh	Revenue	NON ASSET BASED WHOLESALE		MWh	Revenue
			MWh	Cost			MWh	Cost	MWh		MWh	Cost		
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(535,175)	\$ (25,374,184.98)	434,963	\$ 23,416,294.77	(1,681)	\$ (82,390.39)	40,586	\$ 1,673,457.69	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (74,727.31)		\$ 717.35								
61	Congestion and Losses Adjustment			\$ 38,102.22										
62	No DA generation sch., but still had output for current month			\$ (42,675.02)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (25,294,884.87)		\$ 23,415,577.42								
66	Net Retail for MN Energy Adjustment Rider				\$ (1,879,307.45)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)									\$ 1,591,067.30			\$ -	
69	Less: Fuel Cost								38,887	\$ 1,131,522.41			\$ -	
70	Less: Misc Cost Adjustment									\$ -			\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales									\$ 535.00			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 459,009.89			\$ -	

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
September 2023 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(416,827)	\$ (15,252,396.38)	326,968	\$ 12,181,787.19	0	\$ -	16,610	\$ 609,873.06	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,876	\$ 123,059.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(11,253)	\$ (182,881.21)	28,312	\$ 918,150.80	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	(4)	\$ (104.46)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(428,084)	\$ (15,435,382.05)	359,156	\$ 13,222,997.34	0	\$ -	16,610	\$ 609,873.06	0	\$ -	0	\$ -
Day Ahead & Real Time Energy Loss														
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
7	RT Distribution of Losses Amount	555.24	0	\$ (13,924.88)	0	\$ 228,125.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (551,597.82)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 19,147.94	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (546,374.76)	0	\$ 228,125.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (52,772.17)	0	\$ -	0	\$ (1,217.79)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (7,585.80)	0	\$ 237.98	0	\$ (1,351.44)	0	\$ -	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,461.12)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (61,819.09)	0	\$ 237.98	0	\$ (2,569.23)	0	\$ -	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (2,251,610.64)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (315,011.58)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (143,757.31)	0	\$ 4,182,699.72	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 25,400.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (25,979.62)	0	\$ 144,009.39	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (144,009.39)	0	\$ 25,979.62	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (12,047.29)	0	\$ 4,208,246.37	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (4,010,322.82)	0	\$ 12,343.90	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (3,547.52)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 186,288.62	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (4,654,675.53)	0	\$ 6,533,357.33	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (6,977.22)	0	\$ -	0	\$ (475.59)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 19,170.70	0	\$ -	0	\$ 3,621.00	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (8,237.46)	0	\$ 9.43	0	\$ (561.31)	0	\$ 0.59	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 24,119.88	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 46,191.47	0	\$ -	0	\$ 3,149.79	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (15,214.68)	0	\$ 65,371.60	0	\$ (1,036.90)	0	\$ 30,891.26	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (2,160.41)	0	\$ 85,417.49	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (10,878.69)	0	\$ 9,632.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (188,751.09)	0	\$ 2,679.99	0	\$ (12,870.60)	0	\$ 182.57	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (5,650.19)	0	\$ 1.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 5,913.34	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (369.25)	0	\$ 1,111.19	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (20,011.16)	0	\$ 8.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (227,820.79)	0	\$ 104,764.77	0	\$ (12,870.60)	0	\$ 182.57	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(54,755)	\$ (1,462,536.12)	9,268	\$ 235,032.67	(1,774)	\$ (38,629.67)	15,160	\$ 516,574.22	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	0	\$ (493.54)	317	\$ 74.64	0	\$ -	31	\$ 230.70	0	\$ -	0	\$ -
53	SUBTOTAL		(54,755)	\$ (1,463,029.66)	9,585	\$ 235,107.31	(1,774)	\$ (38,629.67)	15,191	\$ 516,804.92	0	\$ -	0	\$ -

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES	(482,839)	\$ (22,404,316.56)		368,742	\$ 20,389,961.71	(1,774)	\$ (55,106.40)	31,800	\$ 1,157,751.81	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (61,819.09)		\$ 237.98								
61	Congestion and Losses Adjustment			\$ (136.37)										
62	No DA generation sch., but still had output for current month			\$ (10,453.34)										
63														
64														
65	Total for MN Energy Adjustment Rider		\$ (22,331,907.76)			\$ 20,389,723.73								
66	Net Retail for MN Energy Adjustment Rider			\$ (1,942,184.03)										
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 1,102,645.41				\$ -	
69	Less: Fuel Cost							30,026	\$ 833,599.75				\$ -	
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales												\$ -	
75									\$ 421.33				\$ -	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 268,624.33				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System October 2023 includes any adjustments																								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)										
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE													
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue										
No.	Day Ahead & Real Time Energy																							
1	DA Asset Energy Amount	555.02	(450,927)	\$ (18,979,305.67)	289,882	\$ 11,283,547.79	0	\$ -	3,724	\$ 128,747.68	0	\$ -	0	\$ -										
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,113	\$ 116,660.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
3	RT Asset Energy Amount	555.19	(44,904)	\$ (1,269,791.79)	7,659	\$ 343,286.42	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
5	SUBTOTAL		(495,831)	\$ (20,249,097.46)	301,655	\$ 11,743,494.30	0	\$ -	3,724	\$ 128,747.68	0	\$ -	0	\$ -										
Day Ahead & Real Time Energy Loss																								
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
7	RT Distribution of Losses Amount	555.24	0	\$ (29,450.22)	0	\$ 232,144.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
9	DA Loss Amount		0	\$ (466,426.95)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
10	RT Loss Amount		0	\$ (57,937.77)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
12	SUBTOTAL		0	\$ (553,814.94)	0	\$ 232,144.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
Virtual Energy																								
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
Schedules 16 & 17																								
16	DA Mkt Admin Amount	555.01	0	\$ (70,945.31)	0	\$ -	0	\$ (361.81)	0	\$ -	0	\$ -	0	\$ -										
17	RT Mkt Admin Amount	555.18	0	\$ (11,771.84)	0	\$ 415.57	0	\$ (2,745.26)	0	\$ 1.74	0	\$ -	0	\$ -										
18	FTR Mkt Admin Amount	555.13	0	\$ (1,633.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
19	SUBTOTAL		0	\$ (84,350.75)	0	\$ 415.57	0	\$ (3,107.07)	0	\$ 1.74	0	\$ -	0	\$ -										
Congestion & FTRs																								
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
21	DA Congestion		0	\$ -	0	\$ (2,332,778.92)	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
23	RT Congestion		0	\$ (629,737.56)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
24	FTR Hourly Allocation Amount	555.14	0	\$ (237,083.98)	0	\$ 8,475,266.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 68,475.99	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (64,729.18)	0	\$ 475,525.79	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
29	FTR Guarantee Uplift Amount	555.37	0	\$ (475,525.79)	0	\$ 49,420.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (12,047.29)	0	\$ 4,208,246.37	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
31	FTR Annual Transaction Amount	555.38	0	\$ (4,010,322.82)	0	\$ 12,343.90	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (3,547.52)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 186,288.62	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
35	SUBTOTAL		0	\$ (5,432,994.14)	0	\$ 11,142,788.99	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
RSG & Make Whole Payments																								
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (7,845.04)	0	\$ -	0	\$ (561.46)	0	\$ -	0	\$ -	0	\$ -										
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 6.42	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (15,868.33)	0	\$ 8.55	0	\$ (1,135.65)	0	\$ 0.58	0	\$ -	0	\$ -										
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 12,824.06	0	\$ -	0	\$ -										
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (137,965.32)	0	\$ 56,039.99	0	\$ (9,877.52)	0	\$ 4,012.23	0	\$ -	0	\$ -										
41	SUBTOTAL		0	\$ (161,678.69)	0	\$ 56,054.96	0	\$ (11,574.63)	0	\$ 16,836.87	0	\$ -	0	\$ -										
RNU & Misc Charges																								
42	RT Misc Amount	555.25	0	\$ (13,180.78)	0	\$ 157.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
43	RT Net Inadvertent Amount	555.27	0	\$ (3,779.24)	0	\$ 8,301.42	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (204,412.65)	0	\$ 43,043.68	0	\$ (14,634.73)	0	\$ 3,081.56	0	\$ -	0	\$ -										
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (2,417.88)	0	\$ 2,903.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
47	DA Ramp Product	555.63	0	\$ -	0	\$ 4,505.36	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
48	RT Ramp Product	555.64	0	\$ (1,563.30)	0	\$ 945.30	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (20,190.65)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
50	SUBTOTAL		0	\$ (245,544.50)	0	\$ 59,856.02	0	\$ (14,634.73)	0	\$ 3,081.56	0	\$ -	0	\$ -										
ASM Charges																								
51	RT ASM Non-Excessive Energy Amount	555.55	(61,342)	\$ (2,558,579.24)	17,974	\$ 282,773.09	(1,179)	\$ (34,629.97)	29,016	\$ 893,455.43	0	\$ -	0	\$ -										
52	RT ASM Excessive Energy Amount	555.56	(82)	\$ -	5	\$ 1,454.71	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
53	SUBTOTAL		(61,424)	\$ (2,558,579.24)	17,979	\$ 284,227.80	(1,179)	\$ (34,629.97)	29,016	\$ 893,455.43	0	\$ -	0	\$ -										

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(557,255)	\$ (29,286,059.72)	319,633	\$ 23,518,981.74	(1,179)	\$ (63,946.40)	32,741	\$ 1,042,123.28	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (84,350.75)		\$ 415.57								
61	Congestion and Losses Adjustment			\$ 25,886.42										
62	No DA generation sch., but still had output for current month			\$ (24,189.24)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (29,203,406.15)		\$ 23,518,566.17								
66	Net Retail for MN Energy Adjustment Rider					\$ (5,684,839.98)								
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 978,176.88				\$ -	
69	Less: Fuel Cost							31,542	\$ 717,981.57				\$ -	
70	Less: Misc Cost Adjustment								\$ (162.97)				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales								\$ 454.55				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 259,903.73				\$ -	

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(519,434)	\$ (23,338,172.92)	361,628	\$ 16,065,284.50	0	\$ -	9,210	\$ 371,410.66	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,376	\$ 114,351.93	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(23,784)	\$ (205,736.78)	22,241	\$ 840,039.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(543,218)	\$ (23,543,909.70)	388,245	\$ 17,019,675.48	0	\$ -	9,210	\$ 371,410.66	0	\$ -	0	\$ -
Day Ahead & Real Time Energy Loss														
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
7	RT Distribution of Losses Amount	555.24	0	\$ (34,464.05)	0	\$ 233,792.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (729,560.39)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (71,341.99)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (835,366.43)	0	\$ 233,792.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (74,826.34)	0	\$ -	0	\$ (811.56)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (10,725.00)	0	\$ 921.74	0	\$ (2,090.39)	0	\$ 348.24	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,392.96)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (86,944.30)	0	\$ 921.74	0	\$ (2,901.95)	0	\$ 348.24	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (4,609,934.38)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (786,080.84)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (203,324.19)	0	\$ 9,149,860.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ (2,443.76)	0	\$ 160,668.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (155,369.50)	0	\$ 641,981.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (641,001.57)	0	\$ 146,477.84	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (12,047.29)	0	\$ 4,208,246.37	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (4,010,322.82)	0	\$ 12,343.90	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (3,547.52)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 186,288.62	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (5,814,137.49)	0	\$ 9,895,932.46	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (8,184.60)	0	\$ -	0	\$ (442.23)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 14,204.33	0	\$ -	0	\$ 1,766.05	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (5,404.42)	0	\$ 78.87	0	\$ (291.78)	0	\$ 4.20	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (21.86)	0	\$ 340.34	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (22.85)	0	\$ 115,754.36	0	\$ (1.18)	0	\$ 6,257.22	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (13,611.87)	0	\$ 130,037.56	0	\$ (757.05)	0	\$ 8,367.81	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (0.57)	0	\$ 0.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (9,855.19)	0	\$ 13,291.79	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (333,412.04)	0	\$ 52,336.26	0	\$ (18,022.75)	0	\$ 2,828.86	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (880.41)	0	\$ 272.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 13,466.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (925.18)	0	\$ 1,411.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (21,549.58)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (366,622.97)	0	\$ 80,778.64	0	\$ (18,022.75)	0	\$ 2,828.86	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(60,264)	\$ (2,098,680.51)	23,900	\$ 463,087.45	(3,998)	\$ (137,419.56)	17,913	\$ 609,574.67	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(71)	\$ (1,203.26)	314	\$ 1,227.08	(86)	\$ (3,232.87)	114	\$ 2,798.03	0	\$ -	0	\$ -
53	SUBTOTAL		(60,335)	\$ (2,099,883.77)	24,214	\$ 464,314.53	(4,083)	\$ (140,652.43)	18,027	\$ 612,372.70	0	\$ -	0	\$ -

54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-

[illegible]

ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS			
68	NET MISO (Rev.-Cost and MWh)	\$	832,994.09
69	Less: Fuel Cost	23,009 \$	615,881.23
70	Less: Misc Cost Adjustment	\$	92.74
71	Plus: Capacity Revenue		\$ -
72	Plus: Bilateral Sales		\$ -
73	Less: Bilateral Purchases		\$ -
74	Less: Schedule 24 for Asset Based Sales	\$	367.45
75			\$ -
76	TOTAL ASSET or NON ASSET BASED WHOLESALE	\$	216,652.67
			\$ -

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(596,974)	\$ (16,653,284.30)	379,299	\$ 10,617,515.53	0	\$ -	9,950	\$ 366,641.82	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	5,149	\$ 120,259.90	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(12,076)	\$ (95,608.83)	26,364	\$ 745,211.93	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	(2)	\$ (107.40)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(609,051)	\$ (16,749,000.53)	410,813	\$ 11,482,987.36	0	\$ -	9,950	\$ 366,641.82	0	\$ -	0	\$ -
Day Ahead & Real Time Energy Loss														
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
7	RT Distribution of Losses Amount	555.24	0	\$ (37,562.34)	0	\$ 359,886.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (790,435.10)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (104,906.31)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (932,903.75)	0	\$ 359,886.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (81,102.11)	0	\$ -	0	\$ (831.29)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (10,904.38)	0	\$ 1,139.45	0	\$ (2,260.77)	0	\$ 78.07	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,539.84)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (93,546.33)	0	\$ 1,139.45	0	\$ (3,092.06)	0	\$ 78.07	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,668,894.90)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (392,316.49)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (43,979.25)	0	\$ 3,474,258.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 102,469.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (98,029.25)	0	\$ 261,930.97	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (261,930.97)	0	\$ 126,949.18	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (2,403.66)	0	\$ 3,622,423.33	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (3,325,124.23)	0	\$ 2,403.66	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (8,059.82)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 207,942.13	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (4,131,843.67)	0	\$ 6,129,482.24	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (12,842.03)	0	\$ -	0	\$ (755.25)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 376.06	0	\$ -	0	\$ 1,524.16	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (13,411.91)	0	\$ 45.11	0	\$ (788.60)	0	\$ 2.54	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 20,863.25	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 56,439.87	0	\$ -	0	\$ 3,320.08	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (26,253.94)	0	\$ 56,861.04	0	\$ (1,543.85)	0	\$ 25,710.03	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (2,026.83)	0	\$ 2,665.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (7,934.35)	0	\$ 16,565.15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (159,763.06)	0	\$ 27,587.60	0	\$ (9,397.89)	0	\$ 1,622.59	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (1,623.07)	0	\$ 64.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 3,906.81	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (727.09)	0	\$ 840.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (25,385.56)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (197,459.96)	0	\$ 51,628.68	0	\$ (9,397.89)	0	\$ 1,622.59	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(55,486)	\$ (1,250,388.37)	33,495	\$ 391,833.59	(3,064)	\$ (71,865.02)	21,384	\$ 719,517.10	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(80)	\$ (2,096.47)	127	\$ 243.16	0	\$ (55.19)	4	\$ 5.51	0	\$ -	0	\$ -
53	SUBTOTAL		(55,566)	\$ (1,252,484.84)	33,621	\$ 392,076.75	(3,064)	\$ (71,920.21)	21,388	\$ 719,522.61	0	\$ -	0	\$ -

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(664,617)	\$ (23,383,493.02)	444,434	\$ 18,474,061.66	(3,064)	\$ (85,954.01)	31,338	\$ 1,113,575.12	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (93,546.33)		\$ 1,139.45								
61	Congestion and Losses Adjustment			\$ (221,510.79)										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (23,068,435.90)		\$ 18,472,922.21								
66	Net Retail for MN Energy Adjustment Rider				\$ (4,595,513.69)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 1,027,621.11				\$ -	
69	Less: Fuel Cost							27,959	\$ 779,354.90				\$ -	
70	Less: Misc Cost Adjustment								\$ 510.77				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales												\$ -	
75									\$ 448.76				\$ -	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 247,306.68				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System Year to Date 2023 includes any adjustments																								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)										
Charge Type Description		Acct	RETAIL		RETAIL		ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE													
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue										
No.	Day Ahead & Real Time Energy																							
1	DA Asset Energy Amount	555.02	(5,883,045)	\$ (188,217,184.92)	3,712,983	\$ 123,831,389.97	0	\$ -	123,634	\$ 4,724,252.62	0	\$ -	0	\$ -										
2	DA Non-asset Energy Amount	555.09	0	\$ -	65,213	\$ 1,972,091.58	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
3	RT Asset Energy Amount	555.19	(258,372)	\$ (4,964,297.57)	277,287	\$ 8,865,373.54	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
4	RT Non-Asset Energy Amount	555.26	(17)	\$ (392.61)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
5	SUBTOTAL		(6,141,434)	\$ (193,181,875.10)	4,055,483	\$ 134,668,855.09	0	\$ -	123,634	\$ 4,724,252.62	0	\$ -	0	\$ -										
Day Ahead & Real Time Energy Loss																								
6	DA FBT Loss Amount	555.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
7	RT Distribution of Losses Amount	555.24	0	\$ (647,174.02)	0	\$ 3,430,752.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
9	DA Loss Amount		0	\$ (7,102,864.28)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
10	RT Loss Amount		0	\$ (579,668.91)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
12	SUBTOTAL		0	\$ (8,329,707.21)	0	\$ 3,430,752.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
Virtual Energy																								
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
Schedules 16 & 17																								
16	DA Mkt Admin Amount	555.01	0	\$ (800,693.03)	0	\$ -	0	\$ (10,191.11)	0	\$ -	0	\$ -	0	\$ -										
17	RT Mkt Admin Amount	555.18	0	\$ (114,937.74)	0	\$ 8,346.54	0	\$ (23,605.82)	0	\$ 461.41	0	\$ -	0	\$ -										
18	FTR Mkt Admin Amount	555.13	0	\$ (19,663.52)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
19	SUBTOTAL		0	\$ (935,294.29)	0	\$ 8,346.54	0	\$ (33,796.93)	0	\$ 461.41	0	\$ -	0	\$ -										
Congestion & FTRs																								
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
21	DA Congestion		0	\$ -	0	\$ (25,896,159.02)	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
23	RT Congestion		0	\$ (3,641,167.36)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
24	FTR Hourly Allocation Amount	555.14	0	\$ (1,603,362.82)	0	\$ 48,136,661.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
25	FTR Monthly Allocation Amount	555.15	0	\$ (2,443.76)	0	\$ 1,315,449.99	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ 61,725.85	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,339,946.15)	0	\$ 3,087,473.54	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
29	FTR Guarantee Uplift Amount	555.37	0	\$ (3,086,493.86)	0	\$ 1,414,162.92	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (1,292,105.69)	0	\$ 62,899,593.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
31	FTR Annual Transaction Amount	555.38	0	\$ (60,895,634.56)	0	\$ 1,293,575.95	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (138,296.94)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 1,922,624.70	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
35	SUBTOTAL		0	\$ (71,999,451.14)	0	\$ 94,235,108.77	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
RSG & Make Whole Payments																								
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (118,877.23)	0	\$ 1,244.79	0	\$ (7,052.88)	0	\$ 17.01	0	\$ -	0	\$ -										
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 64,283.15	0	\$ -	0	\$ 20,277.73	0	\$ -	0	\$ -										
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (141,922.59)	0	\$ 7,096.61	0	\$ (8,985.27)	0	\$ 115.83	0	\$ -	0	\$ -										
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (35.48)	0	\$ 330,179.01	0	\$ -	0	\$ -										
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (138,049.04)	0	\$ 610,096.29	0	\$ (9,885.26)	0	\$ 42,214.09	0	\$ -	0	\$ -										
41	SUBTOTAL		0	\$ (398,848.86)	0	\$ 682,720.84	0	\$ (25,958.89)	0	\$ 392,803.67	0	\$ -	0	\$ -										
RNU & Misc Charges																								
42	RT Misc Amount	555.25	0	\$ (156,959.75)	0	\$ 147,010.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
43	RT Net Inadvertent Amount	555.27	0	\$ (186,318.46)	0	\$ 233,243.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (2,180,245.00)	0	\$ 410,969.23	0	\$ (129,194.30)	0	\$ 23,597.41	0	\$ -	0	\$ -										
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (23,726.95)	0	\$ 3,424.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
47	DA Ramp Product	555.63	0	\$ -	0	\$ 43,203.89	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
48	RT Ramp Product	555.64	0	\$ (8,124.16)	0	\$ 14,783.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (316,222.54)	0	\$ 1,638.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
50	SUBTOTAL		0	\$ (2,871,596.86)	0	\$ 854,273.15	0	\$ (129,194.30)	0	\$ 23,597.41	0	\$ -	0	\$ -										
ASM Charges																								
51	RT ASM Non-Excessive Energy Amount	555.55	(609,947)	\$ (16,624,902.31)	261,133	\$ 4,652,301.26	(18,794)	\$ (583,775.11)	244,101	\$ 7,132,994.71	0	\$ -	0	\$ -										
52	RT ASM Excessive Energy Amount	555.56	(874)	\$ (52,692.25)	3,243	\$ 14,082.24	(86)	\$ (4,159.17)	377	\$ 4,542.41	0	\$ -	0	\$ -										
53	SUBTOTAL		(610,821)	\$ (16,677,594.56)	264,376	\$ 4,666,383.50	(18,880)	\$ (587,934.28)	244,477	\$ 7,137,537.12	0	\$ -	0	\$ -										

Otter Tail Power Company Detail of MISO Day 2 Charges - System Year to Date 2023 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(6,752,255)	\$ (294,394,368.02)	4,319,859	\$ 238,546,440.49	(18,880)	\$ (776,884.40)	368,112	\$ 12,278,652.23	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (935,294.29)		\$ 8,346.54								
61	Congestion and Losses Adjustment			\$ 63,239.80										
62	No DA generation sch., but still had output for current month			\$ (177,346.49)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (293,344,967.04)		\$ 238,538,093.95								
66	Net Retail for MN Energy Adjustment Rider				\$ (54,806,873.09)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)									\$ 11,501,767.83			\$ -	
69	Less: Fuel Cost								348,707	\$ 8,985,157.28			\$ -	
70	Less: Misc Cost Adjustment									\$ 440.54			\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales									\$ 4,975.20			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 2,511,194.81			\$ -	

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System January 2023 includes any adjustments (Revenue) Expense									
	(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		
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	\$ 562.28	\$ -	\$ 94.82	\$ 657.10	26	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 562.28	\$ -	\$ 94.82	\$ 657.10	26		
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 2.07	\$ -	\$ (5.77)	\$ (3.70)	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 2.07	\$ -	\$ (5.77)	\$ (3.70)			
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 21.16	\$ -	\$ 0.08	\$ 21.24	-	-	-
11	TOTAL		\$ 21.16	\$ -	\$ 0.08	\$ 21.24			
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 1.79	\$ -	\$ 0.11	\$ 1.90	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 5.32	\$ -	\$ 0.44	\$ 5.76	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.51	\$ -	\$ 0.40	\$ 4.91	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.46	\$ -	\$ 0.09	\$ 0.55	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 114.66	\$ (14,256.77)	\$ (1,146.10)	\$ (15,288.21)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.51)	\$ 0.09	\$ (0.42)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.04)	\$ (0.01)	\$ (0.05)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.03	\$ -	\$ (0.07)	\$ (0.04)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 134,871.32	\$ (91,020.55)	\$ -	\$ 43,850.77	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 20,125.09	\$ (3,704.47)	\$ -	\$ 16,420.62	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (10.84)	\$ (10.84)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 0.75	\$ -	\$ 0.05	\$ 0.80	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 3.25	\$ -	\$ 0.26	\$ 3.51	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ 0.26	\$ 0.26	-	-	-
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		\$ 155,127.18	\$ (108,982.36)	\$ (1,155.32)	\$ 44,989.50			
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ (1.46)	\$ 0.05	\$ (1.41)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ (0.01)	\$ (0.01)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ (1.46)	\$ 0.04	\$ (1.42)			
40	TOTAL SPP CHARGES		\$ 155,712.69	\$ (108,983.82)	\$ (1,066.15)	\$ 45,662.72	26		
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 45,662.72					
42	Net KWH for retail = ((F) + (G)) * 1,000							25,926	
43	January 2023 covers time period of 12/27/2022 -- 01/22/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ 46,728.87	25,926					
45	Adjustments		\$ (1,066.15)	-					
46	Total SPP		\$ 45,662.72	25,926					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System February 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	\$ 179.54	\$ -	\$ -	\$ 179.54	11	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 179.54	\$ -	\$ -	\$ 179.54	11		
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 1.76	\$ -	\$ -	\$ 1.76	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 1.76	\$ -	\$ -	\$ 1.76			
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 3.91	\$ -	\$ -	\$ 3.91	-	-	-
11	TOTAL		\$ 3.91	\$ -	\$ -	\$ 3.91			
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.34	\$ -	\$ -	\$ 0.34	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.55	\$ -	\$ -	\$ 0.55	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 0.74	\$ -	\$ -	\$ 0.74	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.18	\$ -	\$ -	\$ 0.18	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 147.14	\$ (10,076.38)	\$ (6,725.04)	\$ (16,654.28)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.12	\$ -	\$ -	\$ 0.12	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.13)	\$ -	\$ (0.13)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 28,650.70	\$ (109,439.01)	\$ -	\$ (80,788.31)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 4,115.95	\$ (14,644.47)	\$ -	\$ (10,528.52)	-	-	-
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	\$ 0.32	\$ -	\$ -	\$ 0.32	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 1.38	\$ -	\$ -	\$ 1.38	-	-	-
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		\$ 32,917.42	\$ (134,160.00)	\$ (6,725.04)	\$ (107,967.62)			
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ (1.43)	\$ -	\$ (1.43)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.09)	\$ -	\$ (0.09)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ (1.52)	\$ -	\$ (1.52)			
40	TOTAL SPP CHARGES		\$ 33,102.63	\$ (134,161.52)	\$ (6,725.04)	\$ (107,783.93)	11		
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (107,783.93)					
42	Net KWH for retail = ((F) + (G)) * 1,000							11,000	
43	January 2023 covers time period of 12/27/2022 -- 01/22/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ (101,058.89)	11,000					
45	Adjustments		\$ (6,725.04)						
46	Total SPP		\$ (107,783.93)	11,000					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
March 2023 includes any adjustments									
(Revenue) Expense									
		(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		
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	\$ -	\$ -	\$ 43.00	\$ 43.00	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ 43.00	\$ 43.00	-	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ 0.15	\$ 0.15	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ 0.15	\$ 0.15	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ 2.87	\$ 2.87	-	-	-
11	TOTAL		\$ -	\$ -	\$ 2.87	\$ 2.87	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ 0.11	\$ 0.11	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ 0.32	\$ 0.32	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ 0.26	\$ 0.26	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ 0.03	\$ 0.03	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (13,268.89)	\$ (4,399.67)	\$ (17,668.56)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ (0.20)	\$ (0.20)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ 0.04	\$ 0.04	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ (0.07)	\$ (0.07)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ (0.01)	\$ (0.01)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 286,144.19	\$ (35,925.12)	\$ -	\$ 250,219.07	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 22,015.35	\$ (7,935.62)	\$ -	\$ 14,079.73	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (1.08)	\$ (1.08)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ 0.07	\$ 0.07	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ 0.26	\$ 0.26	-	-	-
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		\$ 308,159.54	\$ (57,129.63)	\$ (4,399.94)	\$ 246,629.97	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ (0.30)	\$ (0.30)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ -	\$ (0.30)	\$ (0.30)	-	-	-
40	TOTAL SPP CHARGES		\$ 308,159.54	\$ (57,129.63)	\$ (4,354.22)	\$ 246,675.69	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 246,675.69					
42	Net KWH for retail = ((F) + (G)) * 1,000								
43	January 2023 covers time period of 12/27/2022 -- 01/22/2023								** (F) and (G) increased for losses of 2.8%
44	SPP Book Totals		\$ 251,029.91	-					
45	Adjustments		\$ (4,354.22)	-					
46	Total SPP		\$ 246,675.69	-					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
April 2023 includes any adjustments									
(Revenue) Expense									
		(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		
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	\$ 147.86	\$ (8,110.07)	\$ (8,885.42)	\$ (16,847.63)	-	-	-
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	\$ 166,721.52	\$ (60,545.50)	\$ -	\$ 106,176.02	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 8,020.51	\$ (6,706.16)	\$ -	\$ 1,314.35	-	-	-
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		\$ 174,889.89	\$ (75,361.73)	\$ (8,885.42)	\$ 90,642.74	-	-	-
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		\$ 174,889.89	\$ (75,361.73)	\$ (8,885.42)	\$ 90,642.74	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 90,642.74					
42	Net KWH for retail = ((F) + (G)) * 1,000								
43	April 2023 covers time period of 03/24/2023 -- 04/20/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		Net Retail	Net SPP KWH					
45	Adjustments		\$ 99,528.16	-					
46	Total SPP		\$ (8,885.42)	-					
			\$ 90,642.74	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System May 2023 includes any adjustments (Revenue) Expense									
	Charge Type Description	(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) and (G)** Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 1,306.84	\$ -	\$ 0.02	\$ 1,306.86	47	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 1,306.84	\$ -	\$ 0.02	\$ 1,306.86	47	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 19.58	\$ -	\$ -	\$ 19.58	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 19.58	\$ -	\$ -	\$ 19.58	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 13.59	\$ -	\$ -	\$ 13.59	-	-	-
11	TOTAL		\$ 13.59	\$ -	\$ -	\$ 13.59	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 1.25	\$ -	\$ -	\$ 1.25	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 6.86	\$ -	\$ -	\$ 6.86	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 9.85	\$ -	\$ -	\$ 9.85	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.91	\$ -	\$ -	\$ 0.91	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (9,372.98)	\$ (1,330.52)	\$ (10,703.50)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.03	\$ -	\$ -	\$ 0.03	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.30)	\$ -	\$ (0.30)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.16	\$ -	\$ -	\$ 0.16	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ 0.25	\$ -	\$ -	\$ 0.25	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 39,137.19	\$ (41,947.54)	\$ -	\$ (2,810.35)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 3,023.58	\$ (11,997.39)	\$ -	\$ (8,973.81)	-	-	-
25	Miscellaneous Amount	555.23	\$ 1.46	\$ (0.73)	\$ -	\$ 0.73	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 1.37	\$ -	\$ -	\$ 1.37	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 5.86	\$ -	\$ -	\$ 5.86	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 0.45	\$ -	\$ -	\$ 0.45	-	-	-
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		\$ 42,189.22	\$ (63,320.19)	\$ (1,330.52)	\$ (22,461.49)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ (8.16)	\$ -	\$ (8.16)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.05)	\$ -	\$ (0.05)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ (8.21)	\$ -	\$ (8.21)	-	-	-
40	TOTAL SPP CHARGES		\$ 43,529.23	\$ (63,328.40)	\$ (1,330.50)	\$ (21,129.67)	47	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (21,129.67)					
42	Net KWH for retail = ((F) + (G)) * 1,000							46,846	
43	April 2023 covers time period of 03/24/2023 -- 04/20/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ (19,799.17)	46,846					
45	Adjustments		\$ (1,330.50)	-					
46	Total SPP		\$ (21,129.67)	46,846					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
June 2023 includes any adjustments									
(Revenue) Expense									
		(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		
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	\$ -	\$ -	\$ -	(19.39)	(19.39)	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ -	(19.39)	(19.39)	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ -	(0.21)	(0.21)	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ -	(0.21)	(0.21)	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ -	(0.32)	(0.32)	-	-
11	TOTAL		\$ -	\$ -	\$ -	(0.32)	(0.32)	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ -	(0.03)	(0.03)	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ -	(0.12)	(0.12)	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ -	(0.17)	(0.17)	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	(0.01)	(0.01)	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 57.00	(7,630.72)	\$ -	(27.67)	(7,601.39)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	0.05	0.05	-	-
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	\$ 71,941.35	(18,905.87)	\$ -	\$ -	53,035.48	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 11,213.44	(6,383.56)	\$ -	\$ -	4,829.88	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
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	\$ -	\$ -	\$ -	(0.01)	(0.01)	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ -	(0.06)	(0.06)	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ -	(0.01)	(0.01)	-	-
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		\$ 83,211.79	(312,384.41)	\$ -	(28.03)	(229,200.65)	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ -	0.09	0.09	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	(227.34)	\$ -	\$ -	(227.34)	-	-
39	TOTAL		\$ -	(227.34)	\$ -	0.09	(227.25)	-	-
40	TOTAL SPP CHARGES		\$ 83,211.79	(312,611.75)	\$ -	(47.86)	(229,447.82)	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (229,447.82)					
42	Net KWH for retail = ((F) + (G)) * 1,000								
43	June 2023 covers time period of 05/24/2023 -- 06/22/2023							** (F) and (G) increased for losses of 2.8%	
44	SPP Book Totals		\$ (229,399.96)	-					
45	Adjustments		\$ (47.86)	-					
46	Total SPP		\$ (229,447.82)	-					

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									
		(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		
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		\$ (211.65)	-					
			\$ (2,105.20)	-					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
August 2023 includes any adjustments									
(Revenue) Expense									
		(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		
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	\$ 124.07	\$ -	\$ (0.07)	\$ 124.00	5	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 124.07	\$ -	\$ (0.07)	\$ 124.00	5	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 12.07	\$ -	\$ 0.22	\$ 12.29	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 12.07	\$ -	\$ 0.22	\$ 12.29	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 1.86	\$ -	\$ (0.03)	\$ 1.83	-	-	-
11	TOTAL		\$ 1.86	\$ -	\$ (0.03)	\$ 1.83	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.10	\$ -	\$ -	\$ 0.10	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.91	\$ -	\$ 0.02	\$ 0.93	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 0.78	\$ -	\$ 0.01	\$ 0.79	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.28	\$ -	\$ -	\$ 0.28	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (11,972.13)	\$ (106.08)	\$ (12,078.21)	-	-	-
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	\$ 253,025.92	\$ (18,820.77)	\$ -	\$ 234,205.15	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 13,020.79	\$ (10,144.50)	\$ -	\$ 2,876.29	-	-	-
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	\$ 0.14	\$ -	\$ -	\$ 0.14	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 0.63	\$ -	\$ -	\$ 0.63	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 0.26	\$ -	\$ -	\$ 0.26	-	-	-
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		\$ 266,049.81	\$ (40,937.40)	\$ (106.05)	\$ 225,006.36	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.97	\$ -	\$ 0.06	\$ 1.03	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ 0.97	\$ -	\$ 0.06	\$ 1.03	-	-	-
40	TOTAL SPP CHARGES		\$ 266,188.78	\$ (40,937.40)	\$ (105.87)	\$ 225,145.51	5	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 225,145.51					
42	Net KWH for retail = ((F) + (G)) * 1,000								4,965
43	August 2023 covers time period of 06/23/2023 -- 07/23/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ 225,251.38	4,965					
45	Adjustments		\$ (105.87)	-					
46	Total SPP		\$ 225,145.51	4,965					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
September 2023 includes any adjustments									
(Revenue) Expense									
		(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		
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	\$ -	\$ (10,496.98)	\$ (204.30)	\$ (10,701.28)	-	-	-
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	\$ 464,463.88	\$ (2,235.62)	\$ -	\$ 462,228.26	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 8,291.36	\$ (6,634.68)	\$ -	\$ 1,656.68	-	-	-
25	Miscellaneous Amount	555.23	\$ 7.93	\$ -	\$ -	\$ 7.93	-	-	-
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		\$ 472,763.17	\$ (19,367.28)	\$ (204.30)	\$ 453,191.59	-	-	-
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		\$ 472,763.17	\$ (19,367.28)	\$ (204.30)	\$ 453,191.59	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 453,191.59					
42	Net KWH for retail = ((F) + (G)) * 1,000								
43	September 2023 covers time period of 08/24/2023 -- 09/21/2023							** (F) and (G) increased for losses of 2.8%	
44	SPP Book Totals		Net Retail	Net SPP KWH					
45	Adjustments		\$ 453,395.89	-					
46	Total SPP		\$ (204.30)	-					
			\$ 453,191.59	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System October 2023 includes any adjustments (Revenue) Expense									
	(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		
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	\$ 6,098.13	\$ (464.56)	\$ 2.65	\$ 5,636.22	74	(129)	
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 6,098.13	\$ (464.56)	\$ 2.65	\$ 5,636.22	74	(129)	
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 111.25	\$ -	\$ 0.61	\$ 111.86	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 111.25	\$ -	\$ 0.61	\$ 111.86	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 77.18	\$ (81.90)	\$ 0.01	\$ (4.71)	-	-	-
11	TOTAL		\$ 77.18	\$ (81.90)	\$ 0.01	\$ (4.71)	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 15.46	\$ -	\$ 0.01	\$ 15.47	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 56.33	\$ -	\$ -	\$ 56.33	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 31.72	\$ -	\$ 0.03	\$ 31.75	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 2.97	\$ -	\$ 0.02	\$ 2.99	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (8,935.84)	\$ 164.80	\$ (8,771.04)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 4.20	\$ -	\$ -	\$ 4.20	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (3.14)	\$ -	\$ (3.14)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (4.76)	\$ -	\$ (4.76)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ 0.38	\$ -	\$ -	\$ 0.38	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 203,213.23	\$ (46,011.85)	\$ -	\$ 157,201.38	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 7,325.69	\$ (3,147.66)	\$ -	\$ 4,178.03	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ 2.63	\$ -	\$ -	\$ 2.63	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 5.93	\$ -	\$ -	\$ 5.93	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 25.54	\$ -	\$ -	\$ 25.54	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 1.87	\$ -	\$ 0.01	\$ 1.88	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ 0.05	\$ -	\$ -	\$ 0.05	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 210,686.00	\$ (58,103.26)	\$ 164.87	\$ 152,747.61	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 27.55	\$ (9.46)	\$ 0.01	\$ 18.10	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ 27.55	\$ (9.46)	\$ 0.01	\$ 18.10	-	-	-
40	TOTAL SPP CHARGES		\$ 217,000.11	\$ (58,659.18)	\$ 168.15	\$ 158,509.08	74	(129)	
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 158,509.08					
42	Net KWH for retail = ((F) + (G)) * 1,000							(54,556)	
43	October 2023 covers time period of 09/22/2023 -- 10/23/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ 158,340.93	(54,556)					
45	Adjustments		\$ 168.15	-					
46	Total SPP		\$ 158,509.08	(54,556)					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System November 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	\$ 3,342.39	\$ -	\$ -	\$ 3,342.39	121	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 3,342.39	\$ -	\$ -	\$ 3,342.39	121		
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 101.26	\$ -	\$ -	\$ 101.26	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 101.26	\$ -	\$ -	\$ 101.26			
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 8.72	\$ (12.55)	\$ -	\$ (3.83)	-	-	-
11	TOTAL		\$ 8.72	\$ (12.55)	\$ -	\$ (3.83)			
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 7.62	\$ -	\$ -	\$ 7.62	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 14.71	\$ -	\$ -	\$ 14.71	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 10.55	\$ -	\$ -	\$ 10.55	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 2.30	\$ -	\$ -	\$ 2.30	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (0.06)	\$ -	\$ (0.06)	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (10,943.58)	\$ 318.10	\$ (10,625.48)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 1.27	\$ -	\$ -	\$ 1.27	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.62)	\$ -	\$ (0.62)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (9.27)	\$ -	\$ (9.27)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (2.84)	\$ -	\$ (2.84)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ 0.31	\$ -	\$ -	\$ 0.31	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 171,118.36	\$ (168,398.08)	\$ -	\$ 2,720.28	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 21,032.39	\$ (4,397.70)	\$ -	\$ 16,634.69	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ 0.41	\$ -	\$ -	\$ 0.41	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 3.64	\$ -	\$ -	\$ 3.64	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 15.56	\$ -	\$ -	\$ 15.56	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 2.28	\$ -	\$ -	\$ 2.28	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ (0.12)	\$ -	\$ (0.12)	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ (2.31)	\$ -	\$ (2.31)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 192,209.40	\$ (183,754.58)	\$ 318.10	\$ 8,772.92			
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 4.51	\$ -	\$ -	\$ 4.51	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ 4.51	\$ (0.02)	\$ -	\$ 4.49			
40	TOTAL SPP CHARGES		\$ 195,666.28	\$ (183,767.15)	\$ 318.10	\$ 12,217.23	121		
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 12,217.23					
42	Net KWH for retail = ((F) + (G)) * 1,000							121,191	
43	November 2023 covers time period of 10/24/2023 - 11/22/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ 11,899.13	121,191					
45	Adjustments		\$ 318.10	-					
46	Total SPP		\$ 12,217.23	121,191					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System December 2023 includes any adjustments (Revenue) Expense									
	(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		
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	\$ -	\$ -	\$ (5,746.79)	\$ (5,746.79)	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ (5,746.79)	\$ (5,746.79)	-	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ (115.35)	\$ (115.35)	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ (115.35)	\$ (115.35)	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ 4.55	\$ 4.55	-	-	-
11	TOTAL		\$ -	\$ -	\$ 4.55	\$ 4.55	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ (15.83)	\$ (15.83)	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ (57.02)	\$ (57.02)	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ (32.13)	\$ (32.13)	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ (3.09)	\$ (3.09)	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (11,632.77)	\$ (669.47)	\$ (12,302.24)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ (4.20)	\$ (4.20)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ 3.12	\$ 3.12	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ 4.76	\$ 4.76	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ (0.38)	\$ (0.38)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 130,640.85	\$ (100,497.30)	\$ 17,067.52	\$ 47,211.07	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 27,850.19	\$ (5,316.67)	\$ 220.51	\$ 22,754.03	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ (2.66)	\$ (2.66)	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ (6.08)	\$ (6.08)	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ (26.03)	\$ (26.03)	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ (1.93)	\$ (1.93)	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ (0.05)	\$ (0.05)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 158,491.04	\$ (117,446.74)	\$ 16,477.05	\$ 57,521.35	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ (18.31)	\$ (18.31)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.09)	\$ 0.02	\$ (0.07)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ (0.09)	\$ (18.29)	\$ (18.38)	-	-	-
40	TOTAL SPP CHARGES		\$ 158,491.04	\$ (117,446.83)	\$ 10,601.17	\$ 51,645.38	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 51,645.38					
42	Net KWH for retail = ((F) + (G)) * 1,000								-
43	December 2023 covers time period of 11/23/2023 - 12/25/2023						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		Net Retail	Net SPP KWH					
45	Adjustments		\$ 41,044.21	-					
46	Total SPP		\$ 10,601.17	-					
			\$ 51,645.38	-					

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		
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	\$ 657.10	\$ 179.54	\$ 43.00	\$ -	\$ 1,306.86	\$ (19.39)	\$ -	\$ 124.00	\$ -	\$ 5,636.22	\$ 3,342.39	\$ (5,746.79)	\$ 5,522.93		
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	TOTAL		\$ 657.10	\$ 179.54	\$ 43.00	\$ -	\$ 1,306.86	\$ (19.39)	\$ -	\$ 124.00	\$ -	\$ 5,636.22	\$ 3,342.39	\$ (5,746.79)	\$ 5,522.93		
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)	\$ -	\$ 12.29	\$ -	\$ 111.86	\$ 101.26	\$ (115.35)	\$ 127.64		
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	TOTAL		\$ (3.70)	\$ 1.76	\$ 0.15	\$ -	\$ 19.58	\$ (0.21)	\$ -	\$ 12.29	\$ -	\$ 111.86	\$ 101.26	\$ (115.35)	\$ 127.64		
Revenue Neutrality Uplift																	
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 21.24	\$ 3.91	\$ 2.87	\$ -	\$ 13.59	\$ (0.32)	\$ -	\$ 1.83	\$ -	\$ (4.71)	\$ (3.83)	\$ 4.55	\$ 39.13		
11	TOTAL		\$ 21.24	\$ 3.91	\$ 2.87	\$ -	\$ 13.59	\$ (0.32)	\$ -	\$ 1.83	\$ -	\$ (4.71)	\$ (3.83)	\$ 4.55	\$ 39.13		
Other Charges																	
12	DA Regulation-Down Distribution Amount	555.04	\$ 1.90	\$ 0.34	\$ 0.11	\$ -	\$ 1.25	\$ (0.03)	\$ -	\$ 0.10	\$ -	\$ 15.47	\$ 7.62	\$ (15.83)	\$ 10.93		
13	DA Regulation-Up Distribution Amount	555.05	\$ 5.76	\$ 0.55	\$ 0.32	\$ -	\$ 6.86	\$ (0.12)	\$ -	\$ 0.93	\$ -	\$ 56.33	\$ 14.71	\$ (57.02)	\$ 28.32		
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.91	\$ 0.74	\$ 0.26	\$ -	\$ 9.85	\$ (0.17)	\$ -	\$ 0.79	\$ -	\$ 31.75	\$ 10.55	\$ (32.13)	\$ 26.55		
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.55	\$ 0.18	\$ 0.03	\$ -	\$ 0.91	\$ (0.01)	\$ -	\$ 0.28	\$ -	\$ 2.99	\$ 2.30	\$ (3.09)	\$ 4.14		
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (0.06)	\$ -	\$ (0.06)		
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)	\$ (12,078.21)	\$ (10,701.28)	\$ (8,771.04)	\$ (10,625.48)	\$ (12,302.24)	\$ (151,084.04)		
18	RT Regulation-Down Distribution Amount	555.12	\$ (0.42)	\$ 0.12	\$ (0.20)	\$ -	\$ 0.03	\$ -	\$ -	\$ -	\$ -	\$ 4.20	\$ 1.27	\$ (4.20)	\$ 0.80		
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ (0.05)	\$ (0.01)	\$ 0.04	\$ -	\$ (0.30)	\$ 0.05	\$ -	\$ -	\$ -	\$ (3.14)	\$ (0.62)	\$ 3.12	\$ (0.91)		
20	RT Regulation-Up Distribution Amount	555.14	\$ (0.04)	\$ (0.13)	\$ (0.07)	\$ -	\$ 0.16	\$ -	\$ -	\$ -	\$ -	\$ (4.76)	\$ (9.27)	\$ 4.76	\$ (9.35)		
21	RT Spinning Reserve Distribution Amount	555.16	\$ (0.02)	\$ -	\$ (0.01)	\$ -	\$ 0.25	\$ -	\$ -	\$ -	\$ -	\$ 0.38	\$ (2.84)	\$ (0.38)	\$ (2.62)		
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ (0.01)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.31	\$ -	\$ 0.30		
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	\$ 234,205.15	\$ 462,228.26	\$ 157,201.38	\$ 2,720.28	\$ 47,211.07	\$ 1,290,848.73		
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)	\$ 2,876.29	\$ 1,656.68	\$ 4,178.03	\$ 16,634.69	\$ 22,754.03	\$ 57,379.08		
25	Miscellaneous Amount	555.23	\$ (10.84)	\$ -	\$ (1.08)	\$ -	\$ 0.73	\$ -	\$ -	\$ -	\$ 7.93	\$ -	\$ -	\$ -	\$ (3.26)		
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (279,464.26)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (279,464.26)		
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.63	\$ 0.41	\$ (2.66)	\$ 0.38		
28	RT Schedule 1A3 Amount	555.29	\$ 0.80	\$ 0.32	\$ 0.07	\$ -	\$ 1.37	\$ (0.01)	\$ -	\$ 0.14	\$ -	\$ 5.93	\$ 3.64	\$ (6.08)	\$ 6.18		
29	RT Schedule 1A4 Amount	555.30	\$ 3.51	\$ 1.38	\$ 0.26	\$ -	\$ 5.86	\$ (0.06)	\$ -	\$ 0.63	\$ -	\$ 25.54	\$ 15.56	\$ (26.03)	\$ 26.65		
30	DA Ramp Up Distribution Amount	555.31	\$ 0.26	\$ -	\$ -	\$ -	\$ 0.45	\$ (0.01)	\$ -	\$ 0.26	\$ -	\$ 1.88	\$ 2.28	\$ (1.93)	\$ 3.19		
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ -	\$ -	\$ (0.18)	\$ -	\$ -	\$ -	\$ -	\$ (0.01)	\$ (0.12)	\$ 0.01	\$ (0.30)		
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ -	\$ -	\$ (1.06)	\$ -	\$ -	\$ -	\$ -	\$ 0.05	\$ (2.31)	\$ (0.05)	\$ (3.37)		
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)	\$ 225,006.36	\$ 453,191.59	\$ 152,747.61	\$ 8,772.92	\$ 57,521.35	\$ 917,767.08		
Grandfathered Charge Types																	
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ (1.41)	\$ (1.43)	\$ (0.30)	\$ -	\$ (8.16)	\$ 0.09	\$ -	\$ 1.03	\$ -	\$ 18.10	\$ 4.51	\$ (18.31)	\$ (5.88)		
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ (0.01)	\$ (0.09)	\$ -	\$ -	\$ (0.05)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (0.02)	\$ (0.07)	\$ (0.24)		
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)	\$ -	\$ 1.03	\$ -	\$ 18.10	\$ 4.49	\$ (18.38)	\$ (233.46)		
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)	\$ 225,145.51	\$ 453,191.59	\$ 158,509.08	\$ 12,217.23	\$ 51,645.38	\$ 923,223.32		

OTTER TAIL POWER COMPANY
GENERATION MAINTENANCE EXPENSE

		Actual 2017	Actual 2018	Actual 2019	Actual 2020	Actual 2021	Actual 2022	Actual 2023	2021 Test Year
STEAM POWER MAINTENANCE:									
SUPERVISION AND ENGINEERING	402 - 510	\$ 842,512	\$ 937,306	\$ 964,831	\$ 834,101	\$ 798,930	\$ 624,662	\$ 551,458	\$ 1,036,964
STRUCTURES	402 - 511	1,202,457	989,059	883,200	777,386	874,175	795,762	769,295	793,128
BOILER	402 - 512	7,207,999	9,023,720	8,465,029	5,026,948	6,229,229	6,980,241	5,798,533	8,205,372
ELECTRIC	402 - 513	797,052	2,241,699	2,869,209	1,080,670	2,714,136	2,866,936	1,460,691	2,044,118
MISCELLANEOUS	402 - 514	1,063,183	1,010,467	1,394,309	874,095	921,925	941,350	1,103,508	1,484,118
Total Steam Power Maintenance		11,113,203	14,202,252	14,576,578	8,593,200	11,538,395	12,208,951	9,683,485	13,563,700
HYDRO POWER MAINTENANCE:									
SUPERVISION & ENGINEERING	402 - 541	3,449	2,731	881	3,679	323	345	6,999	3,872
STRUCTURES	402 - 542	5,016	12,239	40	66	1,881	26,644	3,353	6,264
RESERVOIRS - DAMS	402 - 543	277,357	221,684	250,983	250,800	249,940	265,138	232,540	225,645
ELECTRIC	402 - 544	50,242	907	9,908	4,793	3,289	18,437	8,209	5,875
MISCELLANEOUS EXPENSE	402 - 545	-	38	-	-	3,512	718	23,304	626
Total Hydro Maintenance		336,064	237,599	261,812	259,338	258,945	311,282	274,404	242,282
IC POWER MAINTENANCE WITHOUT WIND:									
SUPERVISION AND ENGINEERING	402 - 551	85,285	67,972	39,346	22,886	15,715	25,714	18,287	93,428
STRUCTURES	402 - 552	124,923	37,358	25,836	30,910	30,733	77,501	49,766	211,316
GENERATING AND ELECTRIC	402 - 553	656,222	631,963	443,752	344,215	427,726	1,111,952	1,250,859	445,358
MISCELLANEOUS EXPENSE	402 - 554	26,008	36,124	23,904	32,009	121,757	153,746	698,600	27,816
Total IC Maintenance without wind		892,438	773,417	532,839	430,020	595,931	1,368,913	2,017,512	777,918
IC POWER MAINTENANCE WIND ONLY:									
SUPERVISION AND ENGINEERING	402 - 551	-	3,698	-	9,597	-	120	5,639	-
GENERATING AND ELECTRIC	402 - 553	12,986	42,680	6,919	-	3,488,759	3,624,610	4,001,874	55,073
MISCELLANEOUS EXPENSE	402 - 554	6,338	8,408	87,649	315,907	434,679	239,117	112,941	139,210
		19,324	54,787	94,568	325,504	3,923,438	3,863,847	4,120,453	194,283
Additional Contracted Wind Maintenance*		179,277	97,888	123,439	84,473	3,354,916	3,362,994	4,050,422	5,163,555
Total Maintenance		<u>\$ 12,540,306</u>	<u>\$ 15,365,943</u>	<u>\$ 15,589,236</u>	<u>\$ 9,692,535</u>	<u>\$ 19,671,625</u>	<u>\$ 21,115,986</u>	<u>\$ 20,146,276</u>	<u>\$ 19,941,738</u>

Note: The above numbers are on a calendar year basis.
Please see V. Additional Reporting Requirements - MN PUC Order Acting on
Electric Utilities' Annual Reports and Requiring Additional Filings
Docket Nos. E999/AA-09-961 and E999/AA-10-884 Number 22. for outage information.

*These amounts reflect the appropriate maintenance portion of combined O & M contracts for OTP wind facilities.

Big Stone Plant Forced Outage Info

[PROTECTED DATA
BEGINS ...

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
1/1/2023	2/6/2023	Bearing #7 Vibration/Exciter	36.69	A concerning step change in exciter bearing vibration was noticed while operating at steady state. The decision was made to take the unit down prior to any damage being done.		A complete refurbishment of the exciter system was completed. All preventative maintenance and inspections are up to date.
2/16/2023	2/18/2023	Secondary Superheat Tube Leak	1.69	A tube in the secondary superheater began to leak. It appears the leak started from an area of grit blasting damage from an outage contractor.		The plant no longer utilizes grit blasting to clean the boiler.
2/27/2023	3/1/2024	Primary Superheat Tube Leak	1.34	Tube leak in the primary superheater		The area was identified as sootblower erosion. Additional protective tube shields were installed to avoid this in the future.
5/10/2023	5/12/2023	Valve 215 steam glycol bonnet leak	1.19	A valve bonnet on the glycol steam system began to leak.		The plant repaired the valve.
6/26/2023	7/1/2023	Air Heater B Lower Bearing	4.42	The lower support bearing shaft studs failed on the air heater.		We have set up a preventative maintenance work order to check the condition of the studs and replace when necessary.
8/27/2023	8/29/2023	Cyclone Tube Leak	1.49	Tube leak in a cyclone burner.		Annual cyclone maintenance and repairs.

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DATA ENDS]

Coyote Station Forced Outage Info

[PROTECTED DATA
BEGINS ...

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
1/5/2023	1/7/2023	Secondary Superheat Tube Leak	1.93	Secondary Superheat Tube Leak		Local area inspected for additional leaks and apparent wear.
2/18/2023	2/20/2023	#4 Cyclone Tube Leak	1.97	Cyclone developed a water tube leak		During major outage replace studs
7/9/2023	7/13/2023	Raw water line from Surge Pond failure	4.58	Pipeline from surge pond to plant developed a leak		Surface and manhole inspection completed to verify integrity of pipeline.
8/16/2023	8/19/2023	Boiler Wash	2.37	Boiler was plugged with ash		Air-in leakage, during major outage fix boiler membrane.
10/23/2023	10/25/2023	Tube Leak	1.73	Water Wall tube leak		During major outage will hire inspection team to inspect water wall tubes.

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DATA ENDS]

Otter Tail Power Company
Wind Curtailment Summary Report - System
Wind Energy Purchase Agreement with FPL Energy North Dakota II, LLC
Docket No. E017/M-03-970
Dated April 1, 2003

Month	(A)	(B)	* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G)	(H)
	Date Paid Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid	Total OTP Paid	Reason Codes
			[PROTECTED DATA BEGINS . . .					
Jan-23								
Feb-23								
Mar-23								
Apr-23								
May-23								
Jun-23								
Jul-23								
Aug-23								
Sep-23								
Oct-23								
Nov-23								
Dec-23								
Total 2023								
. . . PROTECTED DATA ENDS]								

Reason Code Explanation:

Reason Codes:

1 = lack of firm transmission as described in Attachment C of the MISO OATT (or equivalent successor provision)

2 = low load

3 = transmission loading relief or MISO directive for reasons other than (1) above

4 = other - please explain in detail if compensation requested

* Columns C - G are invoiced amounts

Otter Tail Power Company
Wind Curtailment Summary Report - System
Wind Energy Purchase Agreement with Langdon Wind, LLC
Docket No. E017/M-08-131
Dated August 15, 2008

Month	(A) Date Paid		* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G)	(H)
	Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid	Total OTP Paid	Reason Codes
			[PROTECTED DATA BEGINS ...					
Jan-23	N/A	2/16/2023						
Feb-23	2/1,3,6,7,9,10,11,12, 13,14,15,17,18,19,27	3/15/2023						
Mar-23	3/1,14,15,16	4/12/2023						
Apr-23	5/1,2,5,7,8,9,11,12, 13,14,15,16,17,18,19,21,22,2 4,26,27,28,29,30	5/11/2023						
May-23	6/1,2,4,5,6,9,10,11,12,13,14, 16,17,18,19,21,22,23,24,25,2 6,27,29,31	6/15/2023						
Jun-23	7/1,2,3,4,7,8,9,10,11,12,24,2 5	7/12/2023						
Jul-23	8/1,2,3,8,10,14,15,16,17,19, 25,31	8/10/2023						
Aug-23	9/1,4,5,15,16,18,19,25, 26	9/12/2023						
Sep-23	10/1,5,6,7,12,13,14,15,18,24, 29,30	10/10/2023						
Oct-23	11/1,2,3,4,5,6,7,10,11,17,18, 20,21,22,23,25,26,27,28, 30,31	11/13/2023						
Nov-23	12/1,2,3,12,15,16,21,22,23,2 4,25,26,29,30	12/8/2023						
Dec-23	1/1,2,3,12,15,16,21,22,23,24, 25,26,29,30	1/19/2024						
Total 2023								
... PROTECTED DATA ENDS]								

Reason Code Explanation:

Curtailment was called for by Otter Tail Power due to negative LMP pricing. As specified in the Langdon Wind, LLC power purchase agreement, "Company shall pay to seller for such Curtailment Energy net of any Non-Compensable Curtailments, [PROTECTED DATA BEGINS ...

... PROTECTED DATA ENDS]

Reason Codes:

- 1 = lack of firm transmission as described in Attachment C of the MISO OATT (or equivalent successor provision)
- 2 = low load
- 3 = transmission loading relief or MISO directive for reasons other than (1) above
- 4 = other - please explain in detail if compensation requested

* Columns C - G are invoiced amounts

In the Matter of Xcel Energy, Minnesota Power, Otter Tail Power Company, and Interstate Power and Light Company's Petition for Approval of Revisions to Riders for Fuel Adjustment to Recover Costs and Pass-Through Related to MISO Ancillary Services Market - Docket No. E001,E015,E002,E017/M-08-528

I. Introduction

In an Order dated March 17, 2009, in the above-referenced Docket, the Minnesota Public Utilities Commission (Commission) authorized the four investor-owned utilities in the State of Minnesota conditional approval to recover 12 charge types to each utility's fuel clause. These 12 charges (credits and costs) were new charges passed on to the utilities for participating in the Midwest Independent Transmission System Operator (MISO) ancillary services market (ASM) that began on January 6, 2009.

The Commission's Order at Paragraph 1.a. required that no later than February 6, 2010, the utilities shall file a request to validate recovery to date and continue to recover ASM charges (credits and costs) by an analysis of the costs and benefits of each utility's participation in the ASM Market. The utilities were also to address the potential for double recovery of these costs, and the impacts of ASM on Schedule 17 costs. (See Attachment 18.)

II. The Benefits to Otter Tail Power Company Customers of ASM Participation

Otter Tail Power's ASM Cost and Benefit Analysis

Overview

Otter Tail has been participating in Midwest ISO's (MISO) Ancillary Service Market (ASM) since it started on January 6, 2009. The ASM market has enabled Otter Tail to further optimize generation portfolio revenues by providing regulation and reserves without creating a negative impact on available energy necessary to meet customer needs. The ASM has added value for customers when generating units are below maximum generation levels due to reduced energy prices. The generators can be backed down and still provide spinning reserves at the lower operating levels.

Spinning Reserves

MISO's Spinning Reserves process has provided a net benefit of \$41,789 for the January through December 2023 period (Attachment 16, column R, line 13).

Supplemental Reserves

MISO Supplemental Reserves provided a net benefit of \$23,691 for the January through December 2023 period (Attachment 16, column R, line 17).

Regulation

Prior to ASM, Otter Tail scheduled regulation on our system on an hourly basis to meet Balancing Authority control performance criteria requirements. Under the MISO ASM, Otter Tail units are only selected by MISO for regulation when it is

cost effective. Most of the time our units are cleared for energy instead of being held back to provide the MW we used to reserve for regulation. Under ASM, due to regulation clearing and our ability to purchase affordable regulation service, we have more economic energy available from our low-cost generation facilities to serve our customers. Including ASM charge type impact only, MISO's Regulation Reserves resulted in a net benefit of \$192,986 for the January through December 2023 period (Attachment 16, column R, line 4).

Short-Term Reserve

Beginning December 7, 2021, MISO began clearing Short-Term Reserves (STR); a 30-minute rampable generation capacity product provided by on-line or off-line resources to be converted to energy within the STR deployment period (30 minutes). It is co-optimized with energy and ancillary services products. The product separately addresses market-wide, sub-regional and local short-term reserve needs. MISO's Short-Term Reserves resulted in a net benefit of \$46,013 for the January through December 2023 period (Attachment 16, column R, line 9).

Real-Time Excessive/Deficient Energy Deployment Charge Amount

The Real-Time Excessive/Deficient Energy Deployment Charge Amount represents the charge to an Asset Owner owning Generation where the Asset Owner's unit fails to follow Setpoint instructions for four consecutive intervals within 1 hour without an Exemption. This charge consists of taking back any cleared Day Ahead Regulation Operating Reserve payment and any cleared Net Real Time Regulation payment and also assesses a prorated share of the Day Ahead and Real Time Regulation Market cost. During the reporting period of January through December 2023 there was a total of (\$36,542) in penalties assessed to Otter Tail units (Attachment 16, column R, line 19). These are normally mechanical failure situations where the unit fails to follow dispatch for a short time period while small repairs are made.

Real-Time Contingency Deployment Failure Charge Amount The Real-Time Contingency Deployment Failure Charge Amount represents the charge incurred by Resources that fail to deploy Contingency Reserves at or above the Contingency Reserve Deployment Instruction. Again, these would normally be short intervals where some mechanical failure occurred. For the January through December 2023 period, there were no charges (Attachment 16, column R, line 18).

Net Regulation Adjustment Amount

The Real-Time Net Regulation Adjustment Amount represents a charge (or credit) to a generator to account for energy revenue lost (or gained) by going below (or above) their dispatch target to provide regulation services to the market. For the January through December 2023 period, there was a total of (\$10,764) in charges (Attachment 16, column R, line 20).

ASM Charge Summary

The transition to the ASM market has been smooth from an operational standpoint. There has also been a positive economic benefit for Otter Tail. Otter Tail has been able to maximize the capabilities of our units to a greater extent,

which ultimately has led to greater operational efficiencies for Otter Tail. Otter Tail will continue to develop strategies that will continue to allow the ASM to have a positive impact for our customers.

Otter Tail reviews all MISO charges and credits including ASM charge types on a daily basis.

Attachment 16 provides the summary of ASM hourly charges for the January through December 2023 period, which has provided \$257,174 (column R, line 23) of net ASM revenue.

Attachment 17 provides a summary of hourly MWh related to ASM products for the periods of January through December 2023.

III. Schedule 17 Costs

MISO took on additional system and analysis responsibilities with the start of the ASM and as a result, additional costs were incurred at MISO. These costs were recovered from Market Participants including Otter Tail through increased Schedule 17 charges. Attachment 18 provides a summary of the Schedule 17 rates before and after the start of ASM.

IV. No Double Recovery of Costs

The Commission requested the utilities other than Otter Tail address the potential double recovery of costs associated with Operating Reserves costs and revenues from MISO being collected through the FCA and the costs of the generation being recovered in base rates. As a result of Otter Tail's 2010 general rate case, Docket E017/GR-10-239 (2010 Rate Case), Otter Tail passes on ASM charges and credits through its FCA. First and foremost, the potential for any double recovery of such costs is eliminated by operation of the fuel clause pass through of ASM charges. In addition, there is no double recovery of costs because there are two kinds of reserve requirements the Company must meet.

The fixed costs of generation included in base rates reflect the Capacity reserve requirement established under Module E of the MISO Tariff (resource adequacy) costs. In addition, the start of the ASM and MISO's role as regional balancing authority means Otter Tail (as a balancing authority) can purchase rather than self-provide the regulating reserve and spinning reserve requirements imposed by NERC reliability standards. The costs of regulating reserve and spinning reserve are distinct from capacity reserve costs and reflect either direct energy costs or the incremental costs of holding generation in reserve (*i.e.*, the cost of energy generated in place of the energy that could have been produced by the unit(s) providing the regulation and/or spinning reserves), which have always been recovered through the fuel clause rather than base rates.

V. As Requested in Docket No. E017/GR-10-239, the Commission Should Allow Continued ASM Charge Recovery

Otter Tail's 2010 report, and this report, continue to validate the net savings of ASM participation to Otter Tail. The ancillary services markets are achieving significant benefits in terms of generation resource optimization, with the savings flowing through the fuel clause to Otter Tail's customers. Otter Tail has been required since its 2010 Rate Case to utilize FCA treatment of ASM charges (credits and costs) in its fuel clause on an ongoing basis.

Summary

MISO ASM has allowed Otter Tail the ability to more fully utilize our generation assets for the benefit of our customers. Otter Tail fully expects these benefits to continue due to our ability to offer generation into both markets which better utilizes the full benefits of our generation facilities relative to current market conditions.

SUMMARY OF 12 ASM CHARGE TYPES (Dollars)
(EXPENSE) REVENUE

Line No.		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
		Jan-23	Feb-23	Mar-23	1st Qtr 2023 Total	Apr-23	May-23	Jun-23	2nd Qtr 2023 Total	Jul-23	Aug-23	Sep-23	3rd Qtr 2023 Total	Oct-23	Nov-23	Dec-23	4th Qtr 2023 Total	12-Month Total	MN Amount @ 0.481142
1	Day Ahead Regulation Amount	\$ 8,750	\$ 17,783	\$ 40,731	\$ 67,265	\$ 34,953	\$ 85,534	\$ 58,310	\$ 178,796	\$ 63,289	\$ 42,802	\$ 60,766	\$ 166,857	\$ 29,009	\$ 39,276	\$ 35,704	\$ 103,989	\$ 516,908	\$ 248,706
2	Real Time Regulation Amount	\$ 2,799	\$ 774	\$ 7,903	\$ 11,476	\$ 14,344	\$ 11,688	\$ 3,585	\$ 29,617	\$ (5,179)	\$ 29,060	\$ 400	\$ 24,281	\$ 12,697	\$ 18,582	\$ 10,232	\$ 41,511	\$ 106,884	\$ 51,426
3	Regulation Cost Distribution Amount	\$ (23,464)	\$ (21,286)	\$ (22,716)	\$ (67,465)	\$ (17,430)	\$ (20,697)	\$ (14,889)	\$ (53,016)	\$ (14,143)	\$ (12,660)	\$ (12,361)	\$ (39,164)	\$ (20,514)	\$ (22,874)	\$ (19,659)	\$ (63,047)	\$ (222,692)	\$ (107,146)
4	Regulation Subtotal	\$ (11,914)	\$ (2,729)	\$ 25,918	\$ 11,275	\$ 31,867	\$ 76,525	\$ 47,006	\$ 155,398	\$ 43,967	\$ 59,203	\$ 48,805	\$ 151,974	\$ 21,192	\$ 34,984	\$ 26,277	\$ 82,453	\$ 401,100	\$ 192,986
5	Day Ahead Short-Term Reserve Amount	\$ 5,674	\$ 1,479	\$ 2,873	\$ 10,026	\$ 21,131	\$ 26,062	\$ 44,112	\$ 91,305	\$ 15,349	\$ 92,692	\$ 45,760	\$ 153,801	\$ 12,081	\$ 31,007	\$ 11,849	\$ 54,937	\$ 310,068	\$ 149,187
6	Real Time Short-Term Reserve Amount	\$ 585	\$ (152)	\$ 27	\$ 460	\$ (1,830)	\$ (312)	\$ 127	\$ (2,014)	\$ 7,922	\$ (1,722)	\$ 4,441	\$ 10,640	\$ (90)	\$ 291	\$ (426)	\$ (224)	\$ 8,862	\$ 4,264
7	Short-Term Reserve Cost Distribution Amount	\$ (12,371)	\$ (1,601)	\$ (2,157)	\$ (16,129)	\$ (8,933)	\$ (21,028)	\$ (16,970)	\$ (46,932)	\$ (15,406)	\$ (63,862)	\$ (40,263)	\$ (119,532)	\$ (22,813)	\$ (12,489)	\$ (5,403)	\$ (40,705)	\$ (223,298)	\$ (107,438)
8	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -			\$ -	\$ -	\$ -	\$ -
9	Short-Term Reserve Subtotal	\$ (6,112)	\$ (274)	\$ 744	\$ (5,643)	\$ 10,368	\$ 4,722	\$ 27,269	\$ 42,359	\$ 7,864	\$ 27,108	\$ 9,937	\$ 44,909	\$ (10,822)	\$ 18,809	\$ 6,021	\$ 14,008	\$ 95,633	\$ 46,013
10	Day Ahead Spinning Reserve Amount	\$ 665	\$ 5,833	\$ 13,196	\$ 19,695	\$ 16,982	\$ 36,433	\$ 30,869	\$ 84,284	\$ 21,715	\$ 14,482	\$ 18,413	\$ 54,610	\$ 12,848	\$ 43,814	\$ 25,679	\$ 82,341	\$ 240,931	\$ 115,922
11	Real Time Spinning Reserve Amount	\$ 2,197	\$ (1,835)	\$ 3,393	\$ 3,755	\$ 3,642	\$ (2,013)	\$ (2,139)	\$ (509)	\$ 10,282	\$ 2,059	\$ 2,771	\$ 15,112	\$ 4,263	\$ 4,698	\$ 11,050	\$ 20,011	\$ 38,369	\$ 18,461
12	Spinning Reserve Cost Distribution Amount	\$ (18,220)	\$ (12,192)	\$ (14,016)	\$ (44,428)	\$ (16,317)	\$ (19,022)	\$ (13,065)	\$ (48,404)	\$ (13,511)	\$ (12,235)	\$ (10,058)	\$ (35,805)	\$ (21,026)	\$ (23,109)	\$ (19,673)	\$ (63,808)	\$ (192,446)	\$ (92,594)
13	Spinning Reserve Subtotal	\$ (15,358)	\$ (8,193)	\$ 2,574	\$ (20,978)	\$ 4,307	\$ 15,398	\$ 15,665	\$ 35,370	\$ 18,485	\$ 4,305	\$ 11,126	\$ 33,917	\$ (3,915)	\$ 25,403	\$ 17,056	\$ 38,544	\$ 86,853	\$ 41,789
14	Day Ahead Supplemental Reserve Amount	\$ 8,249	\$ 5,337	\$ 2,745	\$ 16,330	\$ 5,164	\$ 14,582	\$ 24,015	\$ 43,761	\$ 11,162	\$ 25,995	\$ 13,773	\$ 50,930	\$ 15,348	\$ 8,834	\$ 1,669	\$ 25,852	\$ 136,873	\$ 65,855
15	Real Time Supplemental Reserve Amount	\$ (3,425)	\$ (2,437)	\$ (1,787)	\$ (7,649)	\$ (3,900)	\$ (5,476)	\$ (4,835)	\$ (14,211)	\$ (1,870)	\$ (73,643)	\$ 47,557	\$ (27,956)	\$ (3,375)	\$ (4,310)	\$ (849)	\$ (8,534)	\$ (58,349)	\$ (28,074)
16	Supplemental Reserve Cost Distribution Amount	\$ (2,755)	\$ (2,478)	\$ (1,791)	\$ (7,024)	\$ (1,375)	\$ (2,329)	\$ (3,118)	\$ (6,822)	\$ (1,916)	\$ (3,511)	\$ (3,006)	\$ (8,433)	\$ (3,688)	\$ (1,688)	\$ (1,630)	\$ (7,005)	\$ (29,283)	\$ (14,089)
17	Supplemental Reserve Subtotal	\$ 2,069	\$ 422	\$ (833)	\$ 1,658	\$ (111)	\$ 6,777	\$ 16,062	\$ 22,728	\$ 7,376	\$ (51,159)	\$ 58,324	\$ 14,541	\$ 8,285	\$ 2,837	\$ (809)	\$ 10,313	\$ 49,240	\$ 23,691
18	Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ (646)	\$ (1,719)	\$ (6,940)	\$ (9,305)	\$ (7,440)	\$ (21,027)	\$ (3,837)	\$ (32,304)	\$ (3,934)	\$ (15,912)	\$ (6,609)	\$ (26,455)	\$ (1,981)	\$ (4,355)	\$ (1,547)	\$ (7,883)	\$ (75,948)	\$ (36,542)
20	Net Regulation Adjustment Amount	\$ 767	\$ (1,100)	\$ 513	\$ 180	\$ (479)	\$ (6,526)	\$ (2,825)	\$ (9,830)	\$ (4,995)	\$ (4,150)	\$ (4,006)	\$ (13,151)	\$ 53	\$ 666	\$ (289)	\$ 429	\$ (22,373)	\$ (10,764)
21	Real Time Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Other Charge Subtotal	\$ 121	\$ (2,820)	\$ (6,427)	\$ (9,126)	\$ (7,920)	\$ (27,553)	\$ (6,662)	\$ (42,134)	\$ (8,929)	\$ (20,062)	\$ (10,615)	\$ (39,606)	\$ (1,929)	\$ (3,690)	\$ (1,836)	\$ (7,454)	\$ (98,320)	\$ (47,306)
23	TOTAL	\$ (31,196)	\$ (13,593)	\$ 21,976	\$ (22,813)	\$ 38,511	\$ 75,869	\$ 99,340	\$ 213,720	\$ 68,764	\$ 19,395	\$ 117,577	\$ 205,735	\$ 12,812	\$ 78,344	\$ 46,708	\$ 137,864	\$ 534,506	\$ 257,174

Summary of 12 ASM Charge Types (MWH)

Line No.		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
		Jan-23	Feb-23	Mar-23	1st Qtr 2023 Total	Apr-23	May-23	Jun-23	2nd Qtr 2023 Total	Jul-23	Aug-23	Sep-23	3rd Qtr 2023 Total	Oct-23	Nov-23	Dec-23	4th Qtr 2023 Total	12-Month Total	MN Amount @ 0.481142
1	Day Ahead Regulation Amount	666.20	361.70	3,670.20	4,698.10	4,311.20	4,526.60	3,200.80	12,038.60	5,589.60	2,450.20	5,852.40	13,892.20	2,281.50	5,433.80	6,127.10	13,842.40	44,471.30	21,397.01
2	Real Time Regulation Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Regulation Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Regulation Subtotal	666.20	361.70	3,670.20	4,698.10	4,311.20	4,526.60	3,200.80	12,038.60	5,589.60	2,450.20	5,852.40	13,892.20	2,281.50	5,433.80	6,127.10	13,842.40	44,471.30	21,397.01
5	Day Ahead Short-Term Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Real Time Short-Term Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Short-Term Reserve Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Short-Term Reserve Deployment Failure Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Short-Term Reserve Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Day Ahead Spinning Reserve Amount	284.20	10.00	887.20	1,181.40	1,937.50	2,481.20	2,601.90	7,020.60	2,599.90	902.80	2,594.90	6,097.60	1,273.30	3,963.90	2,876.60	8,113.80	22,413.40	10,784.03
11	Real Time Spinning Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Spinning Reserve Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Spinning Reserve Subtotal	284.20	10.00	887.20	1,181.40	1,937.50	2,481.20	2,601.90	7,020.60	2,599.90	902.80	2,594.90	6,097.60	1,273.30	3,963.90	2,876.60	8,113.80	22,413.40	10,784.03
14	Day Ahead Supplemental Reserve Amount	17,838.40	3,703.70	8,671.70	30,213.80	17,311.60	26,135.90	17,321.70	60,769.20	19,532.70	13,384.80	15,385.90	48,303.40	13,504.50	34,472.70	7,253.70	55,230.90	194,517.30	93,590.44
15	Real Time Supplemental Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Supplemental Reserve Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Supplemental Reserve Subtotal	17,838.40	3,703.70	8,671.70	30,213.80	17,311.60	26,135.90	17,321.70	60,769.20	19,532.70	13,384.80	15,385.90	48,303.40	13,504.50	34,472.70	7,253.70	55,230.90	194,517.30	93,590.44
18	Contingency Reserve Deployment Failure Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Real Time Excessive Deficient Energy Deployment Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Net Regulation Adjustment Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Real Time Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Other Charge Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	TOTAL	18,788.80	4,075.40	13,229.10	36,093.30	23,560.30	33,143.70	23,124.40	79,828.40	27,722.20	16,737.80	23,833.20	68,293.20	17,059.30	43,870.40	16,257.40	77,187.10	261,402.00	125,771.48

**Comparison of MISO Schedule 17 Rates and Amounts
before and after the start of the ASM Market**

Montly Average Schedule 17 Amount

January '09 through December '09	\$ 68,439.00
January '10 through December '10	\$ 67,171.00
January '11 through June '11	\$ 67,418.00
July '11 through July '12	\$ 60,573.57
July '12 through June '13	\$ 62,582.95
July '13 through June '14	\$ 59,249.43
July '14 through June '15	\$ 52,206.79
July '15 through June '16	\$ 52,282.71
July '16 through June '17	\$ 54,561.27
July '17 through June '18	\$ 64,940.78
July '18 through December '19	\$ 65,679.88
January '20 through December '20	\$ 62,585.46
January '21 through December '21	\$ 64,618.00
January '22 through December '22	\$ 69,777.03
Average monthly increase from prior period	\$ 5,159.03

Montly Average Schedule 17 Rate per MWh

January '09 through December '09	\$ 0.09750
January '10 through December '10	\$ 0.09380
January '11 through June '11	\$ 0.09300
July '11 through July '12	\$ 0.09040
July '12 through June '13	\$ 0.08820
July '13 through June '14	\$ 0.07656
July '14 through June '15	\$ 0.07337
July '15 through June '16	\$ 0.07479
July '16 through June '17	\$ 0.07312
July '17 through June '18	\$ 0.08239
July '18 through December '19	\$ 0.08589
January '20 through December '20	\$ 0.08917
January '21 through December '21	\$ 0.08240
January '22 through December '22	\$ 0.08002
January '23 through December '23	\$ 0.08596
Average monthly increase from prior period	\$ 0.00594

MN Capacity Auction Revenues 2023

	<u>Jan-23</u>	<u>Feb-23</u>	<u>Mar-23</u>	<u>Apr-23</u>	<u>May-23</u>	<u>Jun-23</u>	<u>Jul-23</u>	<u>Aug-23</u>	<u>Sep-23</u>	<u>Oct-23</u>	<u>Nov-23</u>	<u>Dec-23</u>	<u>YTD</u>
Capacity Auction Revenues	(688,824)	(739,380)	(792,069)	(715,476)	(843,239)	(210,516)	(8,587)	(8,587)	(42,473)	(65,416)	(57,510)	(13,290)	(4,185,366.30)

Hoot Lake Solar 2023

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	YTD
Avoided Market Purchases due to Hoot Lake Solar Output (Total System)	\$ -	\$ 18,857.55	\$ (8,809.27)	\$ 15,549.09	\$ 45,045.40	\$ 100,221.98	\$ 207,404.25	\$ 448,876.44	\$ 407,823.81	\$ 277,239.65	\$ 109,577.45	\$ 123,054.26	\$ 1,744,840.61
													\$ -
Actual MN Sales Subject to COE - kWh	-	265,102,290	246,864,723	239,287,164	205,760,058	231,349,109	221,646,956	221,046,016	220,407,377	202,832,435	227,297,710	244,679,004	2,526,272,842
Actual Total System sales - kWh	-	552,289,646	524,700,322	508,152,664	442,834,206	450,001,744	450,126,192	446,090,671	440,438,338	425,758,082	475,685,936	511,614,224	5,227,692,024
													\$ -
MN Sales as % of Total Sales <i>(Line 2 / Line 3)</i>	0.00%	48.00%	47.05%	47.09%	46.46%	51.41%	49.24%	49.55%	50.04%	47.64%	47.78%	47.82%	532.10%
													\$ -
Avoided cost captured by MN Customers in existing mechanism calculation (MN Share) <i>(Line 4 x Line 1)</i>	\$ -	\$ 9,052	\$ (4,145)	\$ 7,322	\$ 20,930	\$ 51,525	\$ 102,128	\$ 222,426	\$ 204,086	\$ 132,078	\$ 52,360	\$ 58,851	\$ 856,612.59
													\$ -
Avoided cost not captured by MN Customers in existing mechanism calculation (MN Share) <i>(Line 5 - Line 1)</i>	\$ -	\$ (9,806)	\$ 4,665	\$ (8,227)	\$ (24,115)	\$ (48,697)	\$ (105,276)	\$ (226,450)	\$ (203,738)	\$ (145,162)	\$ (57,218)	\$ (64,204)	\$ (888,228)
													\$ -
Amount credited to MN EAR Calculation (grossed up to system total) (Total System) <i>(Line 6 / Line 4)</i>	\$ -	\$ (20,429)	\$ 9,914	\$ (17,471)	\$ (51,901)	\$ (94,722)	\$ (213,797)	\$ (456,996)	\$ (407,127)	\$ (304,704)	\$ (119,745)	\$ (134,247)	\$ (1,811,224)

Appendix A – Section 2

The information provided in Appendix A addresses certain compliance obligations from annual reporting requirements pursuant to Minn. R. 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges and June 12, 2019, Orders in Docket No. E999/CI-03-802 and Docket No. E017/AA-22-214.

SECTION 2.1 - MINN. R. 7825.2810 Subpart 1.A. Commission Approved Base Cost of Fuel

No recovery of fuel costs is included in Otter Tail's base rates effective January 1, 2021.¹ All recovery is in the Energy Adjustment Rider – Electric Rate Schedule - Section 13.01. Attachment 4 - is now the most current Schedule approved in Docket No. E017/AA-22-214 in an Order dated December 29, 2022. This Order authorized inclusion of MISO Planning Resource Auction revenues and costs in 2023 Energy Adjustment Rider rates.

SECTION 2.2 - MINN. R. 7825.2810 Subpart 1.B. Billing Adjustment Amounts

Otter Tail provides the following Attachments with a break down by primary energy source:

1. Attachment 5 - kWh Sales by Primary Energy Source for the period of January to December 2023.
2. Attachment 6 - Energy Cost by Primary Energy Source.
3. Attachment 7 marked as NOT PUBLIC - Monthly Cost Components from January 2007 to present which includes the cost of delivered coal by plant, natural gas, oil, and wholesale purchases without Revenue Sufficiency Guarantee (RSG) and Revenue Neutrality Uplift (RNU) charges.

SECTION 2.3 - MINN. R. 7825.2810 Subpart 1.D. The Total Cost of Fuel Delivered to Customers

Attachments 2 and 3 to this filing provide further details on forecasted and actual costs for 2023 as summarized in the table below. These amounts include MISO Planning Reserve Auction revenues received and accounted for in 2023.

	Forecasted Costs - System	Actual Costs - System
January 2023	\$19,188,030	\$27,210,249
February	\$16,067,648	\$12,675,210
March	\$14,403,930	\$10,918,174
April	\$9,299,894	\$5,136,309
May	\$8,796,900	\$4,132,171
June	\$10,265,673	\$7,035,859
July	\$9,392,569	\$9,085,148

¹ In the Commission's November 5, 2019 Order in Docket No. E999/CI-03-802, OTP was ordered in its next rate case to "demonstrate that its proposed base rates exclude Fuel Clause Adjustment-related costs." This order requires OTP to remove base cost of energy from base rates and include all FCA eligible costs in the EAR. Otter Tail complied with that Order in its last rate case, Docket No. E017/GR-20-719

August	\$10,804,611	\$7,740,621
September	\$9,316,620	\$6,954,567
October	\$10,085,639	\$9,322,425
November	\$13,331,716	\$9,617,198
December	\$16,015,275	\$10,935,307
TOTAL 2023	\$146,968,503	\$120,763,238

The following amounts are reflective of the Minnesota January 2023 through December 2023 reporting period.

Item	Amount
Total 2023 kWh Sales (System)	5,818,925,830
Total 2023 kWh Sales Subject to COE – MN	2,799,727,419
Percent of MN Sales to System (Line 2 / Line 1)	0.481141623
Total 2023 System Fuel Costs	\$120,763,238
Percent of MN kWh Sales (Line 3 above)	0.481141623
2023 Fuel Costs Allocated to MN (Line 5 X Line 6)	\$58,104,221

SECTION 2.4 - MINN. R. 7825.2810 Subpart 1.E. Revenue Collected From Customers for Energy Delivered

The following table summarizes total recovery realized from approved rates from 2023 relative to costs incurred:

Item	Amount
Recovery from FCA	\$72,158,941
MN Share of Fuel Costs	\$58,104,221
Total Over/(Under) Recovery (Line 1 – Line 2)	\$14,054,720
2023 Refund (Sept – December 2023 – (See below)	(\$2,931,834)
Net 2023 Over/(Under) Collection	\$11,122,886

During 2023, September through December rates also included adjustments to begin collecting the remaining true-up balances from the January 2022 through December 2022 recovery periods as well as initial refunds of over recoveries experienced from January thru June of 2023. (See Attachment 1 for details.). Below are the monthly amounts of each adjustment. These adjustments will continue through August of 2024.

	Recovery of Calendar Year 2022 True Up	Refund of January to June 2023 Overcollection
January 2023	\$0	\$0
February	\$0	\$0
March	\$0	\$0
April	\$0	\$0
May	\$0	\$0
June	\$0	\$0

July	\$0	\$0
August	\$0	\$0
September	\$793,467	(\$721,834)
October	\$730,197	(\$664,276)
November	\$818,272	(\$744,400)
December	\$880,844	(\$801,324)
TOTAL 2023	\$3,222,779	(\$2,931,834)

SECTION 2.5 - MINN. R. 7825.2810 Subpart 1.G. The Amount of Refunds Credited to Customers

As noted in the table above, during 2023, Otter Tail did adjust rates to begin refunding its over-collection from the first half of 2023 through the energy adjustment rider.

Appendix A – Section 3

PASSING MISO DAY 2 COSTS THROUGH FUEL CLAUSE ORDER IN DOCKET NO. E017/M-05-284

2023 Actual

Otter Tail's forecasted and actual non-energy Midcontinent Independent Transmission System Operator, Inc. (MISO) and Southwest Power Pool (SPP) market-related charges are provided in summary form in Attachment 2 of this filing.

Regulatory Background on MISO Costs:

On February 16, 2005, Otter Tail filed a request with the Commission to recover the costs resulting from participation in the "Day 2" operations of the MISO through the fuel clause adjustment. On April 7, 2005, the Commission issued its Order in Docket No. E017/M-05-284 ordering Otter Tail to account for costs on a net basis in Account 555 and granting recovery of these costs through the fuel clause adjustment subject to refund with interest.

In accordance with the December 2006 Order in Docket No. E017/M-05-284, Otter Tail submits the following additional reporting requirements:

- 7. A. 1. Each utility shall include in its AAA report an overview of the anticipated events and planned actions to address fuel clause costs, and the actions planned by the utility to minimize or lower such costs whenever possible.**

Each utility shall provide a discussion of tools for managing fuel clause costs, including:

- a) plans for use of financial instruments or other mechanisms to hedge the costs of natural gas or other fuels,**

[PROTECTED DATA BEGINS . . .

...PROTECTED DATA ENDS]

- b) plans to hedge purchased energy costs (either through forward bilateral purchases or financial instruments), including how the utility will plan for and cover fuel and energy risk during planned unit outages; and**

[PROTECTED DATA BEGINS . . .

. . . PROTECTED DATA ENDS]

- c) where deemed appropriate, plans for additional optimization of congestion cost hedging through the purchase and/or sale of FTRs in the MISO Day 2 Market.**

2023 Actual Results:

No additional purchases of FTRs for congestion hedging were made in 2023.

Otter Tail's FTR Hedging Approach:

For 2023, the Company had no specific plans to purchase additional FTRs beyond those held through the normal allocation process. In some situations, the Company may sell allocated FTRs back to the market when a unit is off-line for extended maintenance and/or a unit is expected to be economically de-committed due to low wholesale energy prices. Under such circumstances these FTRs do not serve to hedge energy flows between generation and load. In addition, the Company may choose to purchase additional FTRs to hedge bilateral purchases if a monthly or seasonal FTR is anticipated to provide a reasonable hedge against congestion costs. Historically, purchasing FTRs to hedge a bilateral purchase has been a very infrequent occurrence.

7. A. 2. These plans are subject to annual review and audit in the AAA process. Congestion costs and revenues shall be reviewed in an annual filing.

Otter Tail addresses Congestion costs and revenues later in this filing under the section Appendix A Section 6 ADDITIONAL REPORTING REQUIREMENTS MN PUC ORDER ACTING ON ELECTRIC UTILITIES' ANNUAL REPORTS AND REQUIRING ADDITIONAL FILINGS DOCKET NOS. E999/AA-09-961 and E999/AA-10-884 order point 25.

7. A. 3. Each utility shall provide and update a list of the network resources that it designates used to serve native load.

See Attachment 8 (marked as NOT PUBLIC) - MISO Module E Data for Otter Tail.

7. B. To help customers manage their energy costs, each utility shall submit an annual FCA forecast of the cost per MWh of fuel and purchased power costs for the next 12 months.

Forecasted costs for 2023 were filed and approved in Docket No. E017/AA-22-214 effective January 1, 2023.

Forecasted costs for 2024 were filed and approved in Docket No. E017/AA-23-181 effective January 1, 2024.

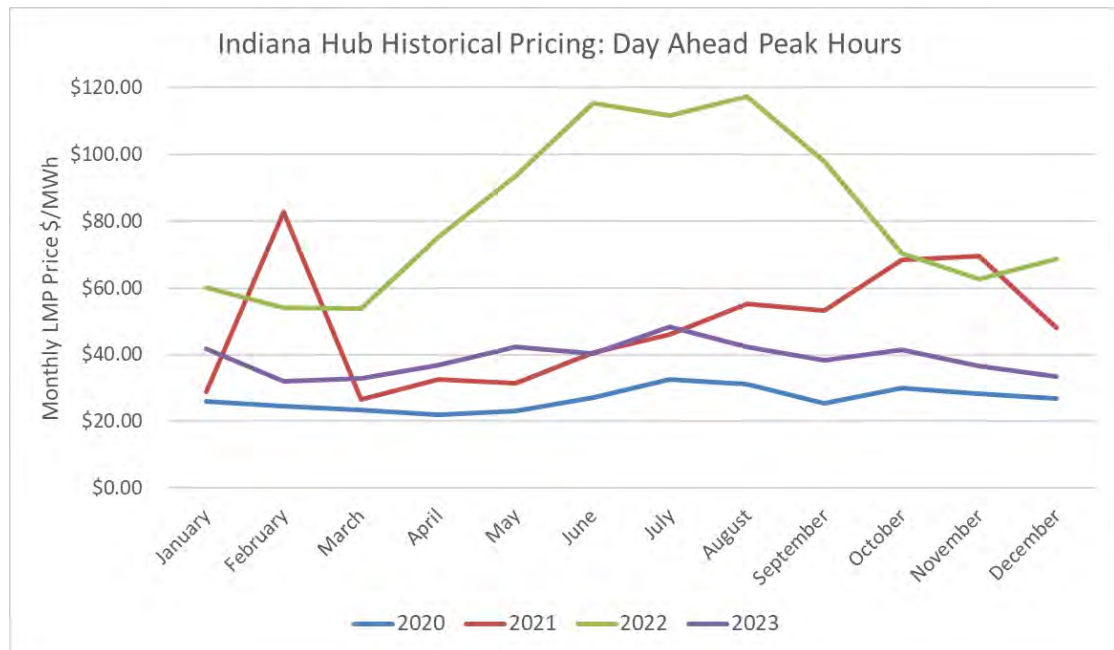
7. C. Each utility shall prepare a summary of its AAA filing stating key factors affecting costs (including Revenue Sufficiency Guarantee costs and Revenue Neutrality Uplift costs) along with the FCA Forecast.

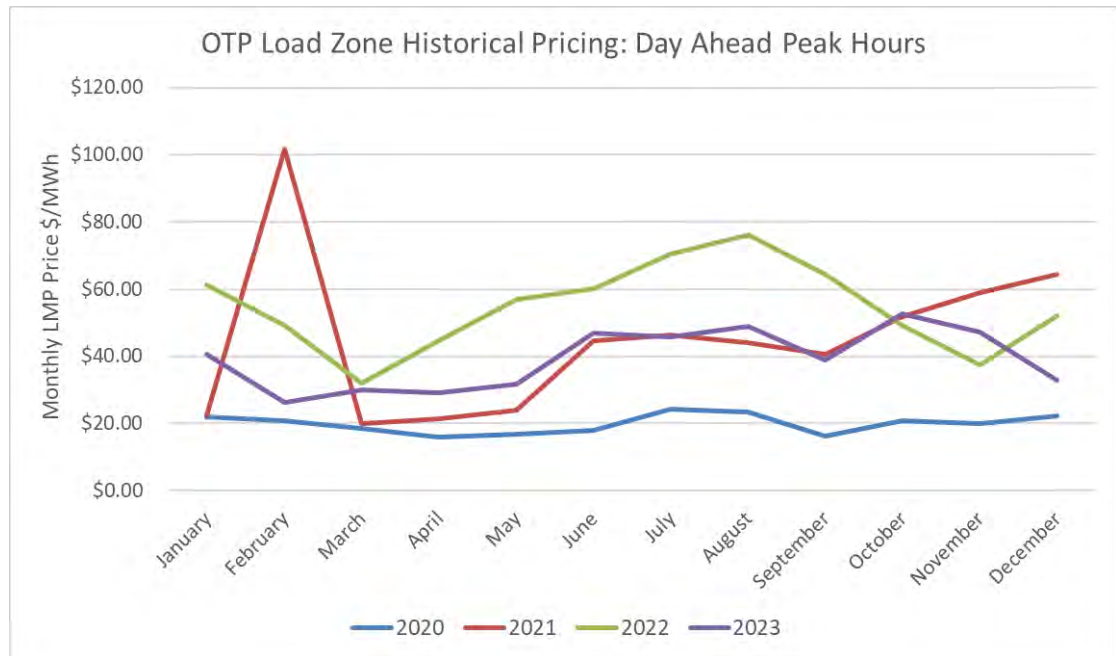
Attachment 9 (System and Minnesota) and Attachment 10 (Monthly and YTD MISO Day 2 Charges) reflect total MISO costs for the reporting period of January through December 2023.

Total net MISO charges for 2023 were \$54.8 million as found on line 54 of Attachment 9.

MISO Market Overview for 2023:

The biggest driver in determining wholesale energy market credits/charges and dispatch of generation is market pricing, or more specifically, Locational Marginal Pricing (LMP). LMPs in 2023 were considerably reduced from 2021 and 2022, yet still considerably higher than 2020. The following graphs help illustrate historical Day Ahead (DA), peak LMPs for the Indiana Hub, (the most liquid and most traded location within MISO), and the Otter Tail load zone LMPs.

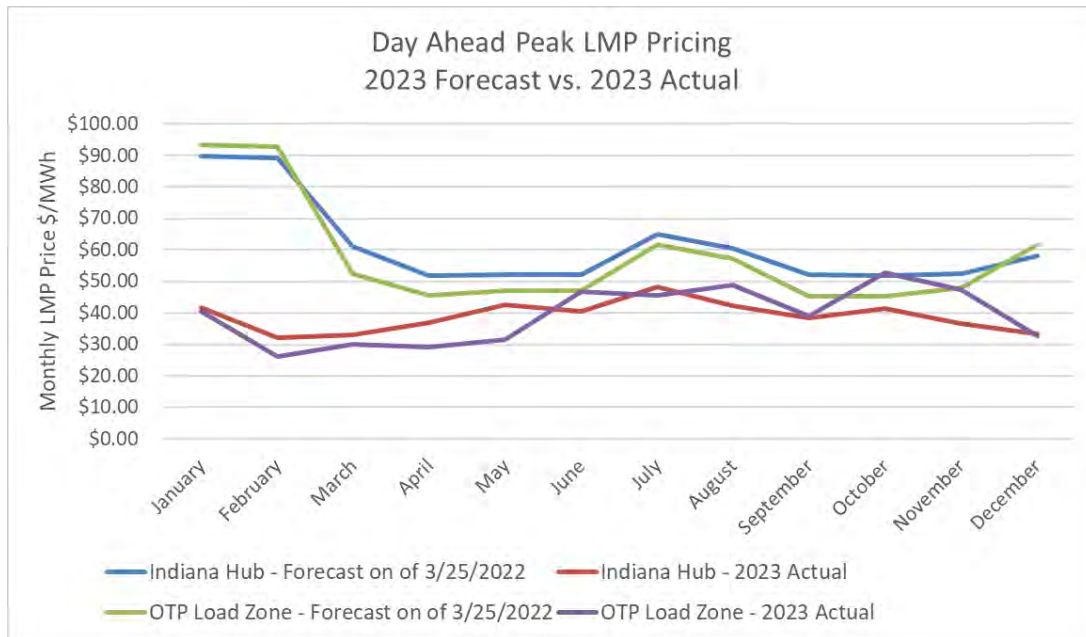




2023 Indiana Hub DA peak LMP pricing was approximately 48 percent of the 2022 LMP, the highest year in recent history, and 74 percent of the previous 3-year average LMP. Similarly, Otter Tail load zone LMP was approximately 72 percent of the 2022 LMP and 99 percent of the previous 3-year average LMP.

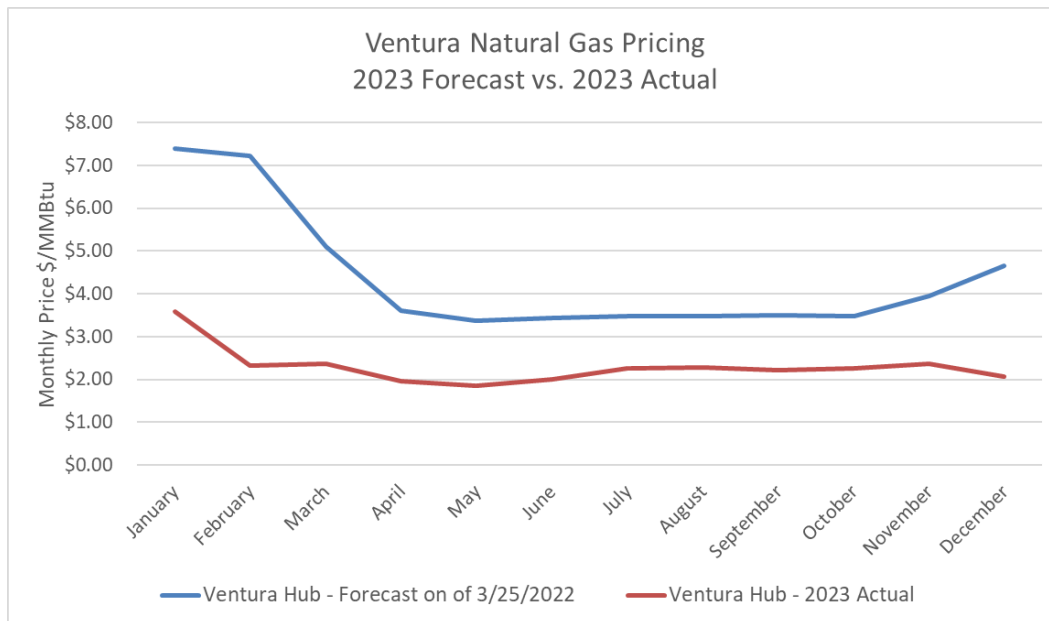
Projections of generation production, economic market purchases, and wholesale market energy charges are driven in large part by forecasted LMP. Furthermore, natural gas forecasts generally drive LMP forecasts. This is due to natural gas generation facilities often being the marginal units, or price setting units, within the MISO market.

To develop a forecast for the Otter Tail Power load zone, Otter Tail utilizes the daily forward Indiana Hub price curves published by Intercontinental Exchange, Inc (ICE). Otter Tail analyzes historical pricing basis between the Indiana Hub and Otter Tail load zone, evaluates historical market conditions, and considers current and future market expectations to develop an Otter Tail load zone forecast. As the Indiana Hub actual pricing deviates from forecasted pricing, the Otter Tail load zone will similarly deviate. The 2023 Otter Tail load zone forecast utilized the March 25, 2022, Indiana Hub forward price curve. The Indiana Hub and Otter Tail load zone curves, forecast vs actual, are shown in the below graph.



Actual 2023 Indiana Hub pricing was 85 percent of the March 8, 2021, forward Indiana Hub price forecast. Similarly, actual 2022 Otter Tail load zone pricing was 92 percent of the March 8, 2021, Otter Tail load zone price forecast. The decrease in LMPs is believed to be caused by a softening of the natural gas markets. Natural gas pricing decreased in 2023 as a result of increased storage levels and relatively stable markets.

The natural gas graph below demonstrates the correlation of gas and energy pricing, March 25, 2022, forecast versus 2023 actual Ventura Hub pricing, reflecting a similar cost shape as compared to the previous LMP graphs.



Like LMPs, 2023 natural gas prices were forecasted to be significantly higher than what actually occurred.

When comparing Otter Tail generation in 2022 against 2023, reduced natural gas pricing resulted in considerable generation increases at Otter Tail's natural gas fired generators, Solway Station and Astoria Station. Otter Tail coal generation ticked down slightly. Ashtabula III transitioned from a PPA to an Otter Tail owned resource. Hoot Lake Solar was commissioned in 2023. The net effect was a moderate increase in total Otter Tail generation from 2022 to 2023. Despite reduced LMP conditions, economic market purchases remained about the same in 2023 as compared to 2022. Economic market purchases are procured at the daily Otter Tail load zone LMP. Market purchases are detailed in line 160 of Attachment 3.

Otter Tail also saw reduced, yet still very strong revenue from its Financial Transmission Rights (FTR) portfolio in 2023. As the northwestern region of MISO continues to see increasing penetration of renewable generation, combined with line outages and upgrades necessary to accommodate renewable generation expansion and interconnection, significant congestion continues to persist between Otter Tail base load units and the Otter Tail load zone. This is particularly true of Otter Tail's Big Stone Plant and Coyote Station, both of which are located within constrained transmission pockets. Otter Tail hourly FTR revenue is detailed in line 57 of Attachment 3. For the same reasons, Otter Tail continues to experience considerable system congestion costs, but the FTR portfolio revenue more than offsets these charges. Hourly congestion cost is detailed in lines 54 and 56 of Attachment 3. Alternatively, in 2023 as compared to 2022, congestion reversed on the SPP system between the SPP/MISO border and the OTP load within SPP (pseudo-tied back to MISO). Energy injection at the MISO/SPP border resulted in congestion credits smaller than congestion charges associated with offsetting energy withdrawal at the load. SPP pseudo tie congestion charge/credit amounts are detailed on line 111 of Attachment 3.

Appendix A – Section 4**SOUTHWEST POWER POOL (SPP) ENERGY MARKET RELATED COSTS
ORDER IN DOCKET NO. E017/GR-15-1033****Actual:**

Actual SPP charges for January through December 2023 is reflected in Attachment 11.

Background:

Otter Tail began incurring Southwest Power Pool (SPP) energy market charges on October 1, 2015, as a result of Western Area Power Administration (WAPA) joining SPP. Additional SPP market exposure was incurred as a result of the expiration of an integrated transmission agreement with Central Power Electric Cooperative effective January 1, 2016. SPP charges include day ahead and real time energy charges assessed by SPP, as well as other energy-market related charges.

Otter Tail has included forecast SPP day ahead and real time energy charges consistent with paragraph 2 of the Energy Adjustment Rider, Rate Schedule 13.01 (Attachment 4):

2. *The forecasted energy cost of purchased power included in Account 555 when such energy is purchased on an economic dispatch basis, exclusive of Capacity or Demand charges.*

In rate case Docket No. E017/GR-15-1033, the Commission approved Otter Tail's request to recover SPP market-related costs through the energy adjustment.

Effective with bills rendered on and after January 1, 2020, Otter Tail began to include forecasted SPP market related costs in the energy adjustment forecast, consistent with paragraph 4 of the Energy Adjustment Rider, Rate Schedule 13.01.

4. *All forecasted Midwest ISO (MISO) and South Power Pool (SPP) costs and revenues associated with forecasted retail sales that have been authorized by the Commission to flow through this Energy Adjustment Rider and excluding MISO and SPP costs and revenues that are recoverable in base rates, as prescribed in applicable Commission Orders.*

Further Information on Otter Tail Load in SPP

Otter Tail maintains load served within the SPP Balancing Authority (BA). Prior to WAPA joining SPP, Otter Tail would schedule energy out of the MISO system and into the WAPA system. This was an energy export out of MISO and therefore was charged under the MISO DA Non-Asset Energy Amount charge type. In response to WAPA joining the SPP market, Otter Tail determined it was in our customers' best interest to pseudo tie that load in the SPP BA out of SPP and back into MISO. Pseudo tying load allows for MISO to serve and regulate load outside their BA as if it were inside their BA. As a result, this eliminated the need for a daily export of energy and the DA Non-Asset Energy charge for Otter Tail load in WAPA/SPP BA dropped to zero. WAPA still maintains some of its municipal and agency loads within MISO, which requires

WAPA to inject energy into MISO for which Otter Tail receives credit. While these credits have always been included in prior MISO reporting, they are now much more visible as they are no longer netted against the charges associated with energy exports used to serve Otter Tail load in the WAPA/SPP BA.

Appendix A – Section 5

MN DOC'S REVIEW OF 2005/2006 AAA REPORT DOCKET NO. E,G999/AA-06-1208

In the Minnesota Department of Commerce's Review of the 2005-2006 Annual Automatic Adjustment Report dated April 16, 2007, the DOC recommended:

On page 63, that the utilities comment on why utilities are using virtual transactions for retail and/or non-retail and the significance of virtual energy in the next AAA docket.

Otter Tail did not utilize virtual transactions on behalf of retail customers in 2023.

Background: Use of Virtual Transactions / Other Hedging Tools within MISO/SPP

Since the beginning of the MISO Day 2 Market, Otter Tail has very rarely utilized virtual transactions on behalf of retail customers. For retail load serving purposes, the Company may occasionally use virtual transactions to convert bilateral purchases between the day-ahead and real-time markets. For instance, some bilateral purchases are designed to settle in the real-time market while the Company clears its load in the day-ahead market. Therefore, a virtual transaction might be used to convert the real-time purchase to the day-ahead market so that the purchase more accurately hedges the Company's load.

Within SPP, where Otter Tail pseudo ties its load back into MISO, we are required to pay real time congestion and loss differences between our energy injection point into the SPP footprint (MISO/SPP boundary) and our energy withdrawal point (Otter Tail load within the SPP footprint). We are also entitled to request/nominate Auction Revenue Rights (ARRs) and Transmission Congestion Rights (TCRs) between those two points due to Otter Tail ownership of Network Integrated Transmission Service (NITS) to serve our load. If nominated, and granted, ARRs and TCRs would hedge against day-ahead congestion between the Otter Tail injection and withdrawal points. However, since Otter Tail's pseudo tie congestion charges are based on real time congestion, utilization of virtual transactions could potentially be used to move the real time congestion charges into the day ahead market. This may better align congestion costs with any Otter Tail TCRs, potentially producing a better hedging mechanism. To date OTP has not utilized virtual transactions on behalf of our SPP retail load.

In accordance with the February 6, 2008 Order issued by the Commission, on page 9:

18. All electric utilities shall include in future annual automatic adjustment filings the actual expenses pertaining to maintenance of generation plants, with a comparison to the generation maintenance budget from the utility's most recent rate case.

Attachment 12 contains actual generation maintenance expenses for 2017 through 2023 and the 2021 test year budget from the most recent rate case. Total 2023 maintenance expenses were \$20.1M as compared to \$19.9M for the 2021 rate case test

year.

- 21. All electric utilities shall provide information requested by the Department in Docket E,G999/AA-07-1130 according to the spreadsheet attached to the 2007 Report pertaining to MISO Day 2 charges, one for every month in the AAA period and as a summary of MISO Day 2 charges for the entire AAA period, for a total of 13 pages in each utility's AAA filing.**

See Attachment 9 and Attachment 10.

Appendix A – Section 6

MN PUC ORDER ACTING ON ELECTRIC UTILITIES' ANNUAL REPORTS AND REQUIRING ADDITIONAL FILINGS DOCKET NOS. E999/AA-09-961 and E999/AA-10-884

In the Minnesota Public Utilities Commission's April 6, 2012 Order, the following was ordered for Otter Tail Power Company:

- 8. Interstate, Minnesota Power, Otter Tail, and Xcel shall report in future AAA filings any offsetting revenues or compensation recovered by the utilities as a result of contracts, investments, or expenditures paid for by their ratepayers. If any offsetting revenues and/or compensation are not credited back to a utility's ratepayers through the fuel clause, the IOUs shall clearly identify such revenues or compensation by source and amount and fully justify their action in the relevant AAA filings.**

Otter Tail does not have any offsetting revenues for contracts that are not passed back through the Energy Adjustment Rider.

- 22. The Commission requests Interstate, Minnesota Power, Otter Tail, and Xcel to comment on sharing lessons learned regarding the handling of forced outages. The Commission also requests the companies to discuss amongst themselves whether and what kind of information sharing would be beneficial. The companies shall provide in supplemental filings to their fiscal-year 2011 AAA reports, in Docket No. E999/AA-11-792, and in future AAA reports, a simple annual identification of forced outages and a short discussion of how such outages could have been avoided or alleviated.**

Otter Tail continues to utilize multiple forums and resources deemed most beneficial in gathering and sharing information relevant to the unique aspects of Otter Tail's generation fleet. In Reply Comments submitted by Otter Tail in Docket No. E999/AA-13-599, Otter Tail provided a list of resources (Conferences, Consultants/Vendors/Contractors, Publications, and Trade Organizations) in **Attachment 1** of those Reply Comments, which Otter Tail and the other utilities within Minnesota take advantage of to address each utility's specific needs.

Additionally, Otter Tail noted the following points in those Reply Comments, which continue to hold true today:

As noted earlier, each utility's generation fleet is different. Otter Tail's base load generating fleet is small, transitioning from three plants to two plants in 2021:

*Big Stone Plant, of which Otter Tail is a 53.9% co-owner;
Coyote Plant, of which Otter Tail is a 35% co-owner;*

Hoot Lake Plant, of which Otter Tail was a 100% owner. Hoot Lake Plant was retired at the end of May 2021.

Otter Tail plant personnel participate in various user groups, training events, and conferences related to our steam-based generation units. Otter Tail believes that some of the most beneficial information sharing takes place at specific technology user groups often hosted by the original equipment manufacturers, for example, “B&W Cyclone Users Association or B&W Environmental Users Group.” It is Otter Tail’s experience that focusing on technologies that are specific to our generation units is the most productive use of time with regards to sharing best practices in operation and minimizing forced outages.

As noted above, Otter Tail is part owner of two co-owned generation facilities; the Big Stone Plant and the Coyote Plant (Otter Tail is also the Operating Agent for these plants). The co-owners at Big Stone and Coyote are also operators or part owners of other similar sized facilities. Regularly scheduled owner’s meetings, as necessitated by these joint ownership arrangements, provides Otter Tail with the opportunity to gather additional information and gain perspectives from peers on forced outage rates and other plant operations issues that occur in the natural course of being part of jointly-owned generating units.

Otter Tail notes that there are occasions when discussions and information sharing does take place between Minnesota utilities. Recent examples include Otter Tail and Xcel Energy staff meeting at the July 2014 Boiler conference to discuss best cyclone boiler practices. In addition, Xcel Energy met with Otter Tail consultants regarding details of the company’s 2015 outage work at Otter Tail’s Big Stone plant and Xcel Energy recently visited Big Stone plant to discuss best boiler outage/reliability/combustion practices. When opportunities arise for information sharing, Otter Tail is willing take advantage of them.

Plant personnel also attend general conferences such as the local Energy Manager Associations, The Energy Progress & Innovation Conference (EPIC) in Bismarck, ND or the much larger Power-Gen conference. These conferences provide useful venues for gathering and sharing information but are generally not as informative as specific equipment users groups.

One additional source of information which Otter Tail finds beneficial is through Otter Tail’s insurance provider. When issues occur at other plants which the insurance provider is involved, it is common for the provider to share information with other companies so that similar situations can be avoided or mitigated if possible.

In general, attendance or participation at relevant conferences, training, or users groups is more effective than information sharing between utilities that may be neighbors, but that do not have similar generation technologies and/or equipment.

Planned Outages

The table below reflects the planned outages that were scheduled at Big Stone Plant and Coyote Station in 2023 and incorporated into Otter Tail's 2023 forecast.

Forecast 2023 Planned Outages				
Line No.	Outage Start	Outage End	Plant	Duration &Type
1	9/29/2023	10/21/2023	Big Stone Plant	23-day minor outage
2	3/10/2023	3/12/2023	Coyote Station	3-Day Boiler Wash
3	5/26/2023	6/1/2023	Coyote Station	7-Day Spring Outage
4	9/18/2023	9/20/2023	Coyote Station	3-Day Boiler Wash
5	12/8/2023	12/10/2023	Coyote Station	3-Day Boiler Wash

Actual planned outages taken during 2023 were as follows:

Actual 2023 Planned Outages				
Line No.	Outage Start	Outage End	Plant	Duration &Type
1	9/28/2023	10/22/2023	Big Stone Plant	24-Day Minor Outage
2	3/6/2023	3/11/2023	Coyote Station	5-Day Boiler Wash
3	6/4/2023	6/12/2023	Coyote Station	7-Day Spring Outage
4	9/17/2023	9/22/2023	Coyote Station	4-Day Boiler Wash
5	12/10/2023	12/16/2023	Coyote Station	6-Day Boiler Wash

Forced Outages

Otter Tail's generators experienced an aggregate of eleven forced outages in excess of 24 hours over the January through December 2023 period; six at the Big Stone Plant and five at Coyote Station.

A summary of these forced outages for this reporting period can be found in **Attachment 13** (marked as NOT PUBLIC), providing a brief overview of the following aspects of each forced outage:

- a. Dates of Outage
- b. Primary Reason for Outage
- c. Duration of Outage
- d. Description of Equipment Failure
- e. Change in Energy Costs

f. Steps Taken to Alleviate Reoccurrence

Of the eleven forced outages experienced during the reporting period, six of those outages were tube leaks, two due to pipe/valve leaks, one due to air heater bearing support, and one due to boiler cleanliness. The remaining outage was a continuation of the 2022 Big Stone bearing #7/exciter outage. Otter Tail estimates that the aggregate cost of the replacement power for forced outages was [PROTECTED DATA BEGINS ... PROTECTED DATA ENDS] . Of that [PROTECTED DATA BEGINS ... PROTECTED DATA ENDS] was associated with the Big Stone forced outage due to bearing #7 vibration/exciter .

25. Otter Tail shall correctly report congestion and firm transmission rights costs and revenues (currently reflected in the Day-Ahead and Real-Time Energy sections of its AAA report) in the congestion and firm transmission rights sections of its report starting with a revised or supplemental filing for the fiscal-year 2011 report, in Docket No. E999/AA-11-792.

Otter Tail incurs congestion costs when moving energy from its resources (generators and purchased power agreements) to load. The combined DA and RT congestion costs incurred within MISO for the January through December 2023 period were (\$29,537,326) (system basis). To offset these congestion costs in MISO, the company is allocated Auction Revenue Rights (ARRs) which can subsequently be self-scheduled into Financial Transmission Rights (FTRs). For the AAA period, the total of the congestion offsets (MISO FTR Revenues) was \$51,772,984 (system basis) for a net MISO congestion revenue of \$22,235,657 (system basis).

Congestion within SPP resulted in a charge of \$1,290,849 for the period of January through December 2023.

Attachment 10 provides monthly and annual detail of all 2023 MISO Day 2 revenues and (expenses) which include the congestion amounts discussed above.

Attachment 11 provides monthly and annual detail of all 2023 SPP (revenues) and expenses which include the congestion amounts discussed above.

Appendix A – Section 7

MN OES'S REVIEW OF 2006/2007 AAA REPORT DOCKET NO. E,G999/AA-07-1130

In the Minnesota Office of Energy Security's (OES) Review of the 2006-2007 Annual Automatic Adjustment Report dated June 30, 2008, the OES recommended that Otter Tail provide a more summarized approach in the next AAA, such as MISO Daily Settlement Summaries that tie out to Asset and Non-Asset Based Transactions.

Attachment 10 contains a monthly and year-to-date breakdown of MISO Day 2 Charges – System between Retail, Asset Based Wholesale, and Non-Asset Based Wholesale for 2023.

Attachment 3 contains monthly comparisons of forecast to actual amounts for MISO Day 2 charge types for 2023.

The OES also recommended Otter Tail address how the Auction Revenue Rights (ARR) process will be treated for retail and wholesale purposes and provide information regarding what ARR's if any a utility purchased, how much they paid, and what FTR revenues and costs were received to date for ARR's purchases.

Otter Tail has no activity to report for this item.

Appendix A – Section 8

COMPLIANCE REPORT AS REQUIRED BY ORDER IN DOCKET NO. E017/M-03-970

On February 2, 2006, Otter Tail filed in Docket No. E017/M-03-970 to remove the sunset provision for recovery of the purchase of wind generated energy through the fuel clause under the Order issued January 13, 2005. On July 12, 2006, the Commission granted an extension of the recovery mechanism in place under the January 13, 2005 Order until a final Order is issued in this proceeding and directs the Company to revise its tariff as appropriate. On August 10, 2006, Otter Tail filed the Power Purchase Agreement (PPA) for approval in this proceeding pursuant to the July 12, 2006 Order. The Commission deferred the issue of Renewable Energy Obligation (REO) eligibility to the resource plan proceeding concerning Otter Tail, Docket No. E017/RP 05-968. The Commission also deferred other determinations until this docket returns to the Commission for PPA approval. On November 14, 2006, in Docket No. E017/M-03-970, the Commission approved Otter Tail's request with the following reporting requirements:

1. Additional language to the Cost of Energy Adjustment Clause.

See Attachment 4 – paragraph 3.

2. Credit ratepayers through the Fuel Adjustment Clause any compensation it receives from the MISO or any other transmission authority for calling an interruption of the energy generated by the Project during the period that Otter Tail Power Company is recovering curtailment provision costs from ratepayers.

There were no credits issued for reporting period of January to December 2023.

3. Track all curtailments and curtailment payments and report them in its monthly fuel clause adjustment and AAA filings.

Attachment 14 (marked as NOT PUBLIC) contains the curtailment costs incurred for the January through December 2023 time frame.

Appendix A – Section 9

MN OES'S ORDER AUTHORIZING ONGOING USE OF FUEL CLAUSE ADJUSTMENT AND SETTING REPORTING REQUIREMENTS DOCKET NO. E001,015,002,017/M-08-528

In the Minnesota Public Utilities Commission's August 23, 2010, Order the MNPUC ordered:

- 5. The three utilities shall include costs and revenues from their participation in the MISO ancillary services market in future automatic adjustment reports filed under Minn. Rules, parts 7825.2390 *et seq.*, including the annual filing required thereunder. They shall include costs/revenues through June 30, 2010 in the 2011 annual filings, which are due in September 2010; they shall include costs/revenues beginning July 1, 2010 in the 2012 annual filings, which are due in September 2011.**

Attachment 16 summarizes the 17 ancillary services market (ASM) charge types by month for the true up period of January through December 2023.

- 8. In their annual summaries on the 12 MISO ancillary services charges the utilities shall use a format similar to that used by Minnesota Power in its Attachment 1 to its February 5, 2010 filing (4th quarter report) and shall work with the OES to develop a format that is acceptable.**

See Attachment 16, Attachment 17, and Attachment 18.

- 9. In reporting daily ancillary services market activity and overall net savings created by participation in the ancillary services market, utilities shall use a format similar to that used by Xcel in Attachment A to its February 5, 2010 filing and shall work with the OES to develop a format that is acceptable.**

Otter Tail does not have the software to perform a daily activity and savings report. Otter Tail is providing a monthly breakdown of charges (see Attachment 16 and Attachment 17).

- 10. The utilities' written narratives on the benefits of the ancillary services market and the market's impact on their systems shall be formatted consistent with Xcel's and Minnesota Power's 4th quarter report in this docket.**

See Attachment 15.

- 11. The utilities shall file detailed and specific explanations for all Contingency Reserve Deployment Failure and Excess/Deficient Energy Charges incurred, including an explanation as to why they should be recovered and what actions the utility took to minimize these charges.**

See Attachment 15.

Appendix A – Section 10

MN PUC ORDER ACTING ON ELECTRIC UTILITIES' ANNUAL REPORTS AND REQUIRING ADDITIONAL FILINGS IN 2013/2014 (FYE14) ANNUAL AUTOMATIC ADJUSTMENT REPORTS - DOCKET NO. E999/AA-14-579

In the Minnesota Public Utilities Commission's June 2, 2016, Order, the following was ordered for Otter Tail Power Company and other electric utilities:

25) Accepts Otter Tail's MISO Day 2 reporting for FYE14. Requires Otter Tail to provide in future AAA filings information and narrative to explain why the selected option for Financial Transmission Rights and ARRs is better for rate payers than the alternative.

The Company's two largest generating stations (Big Stone and Coyote) have grandfathered transmission rights. These grandfathered transmission rights allow the company to choose between two different congestion hedging instruments on an annual, ARR market year basis; namely Option A and Option B.

Option A is the equivalent of holding an FTR between Otter Tail's generating stations and Otter Tail's load zone. Option A treatment is not dependent on accurately forecasting the clearing of day-ahead (DA) schedules from the generating stations.

Option B status allows the company to receive a refund of congestion costs incurred on the energy scheduled between generator and load. However, the MISO scheduling rules under Option B require that the companion, Option B, financial schedule, be less than or equal to the DA clearing from the unit. If the Option B financial schedule exceeds the DA, cleared, MWs from the unit, the hourly congestion hedge is lost.

Otter Tail chose to switch its grandfathered status from Option B to Option A beginning June 2013.

The transition from Option B to Option A was made due to increased volatility and difficulty in predicting DA, cleared, MW values from Otter Tail's Big Stone and Coyote generating stations and the resulting elimination of the rebate of congestion between the generation and the load for those hours, often during hours when the congestion hedge is needed the most.

Otter Tail preserves the right to change the grandfathered status on a yearly basis. This enables Otter Tail to revert back to Option B should system conditions change. The choice between Option A and Option B grandfathered rights treatment is reviewed on a yearly basis.

Since the volatility and difficulty in predicting the DA, cleared, MW values from Big Stone and Coyote generation units remain; Otter Tail continues to choose Option A treatment.

**MINNESOTA PUBLIC UTILITIES COMMISSION (MNPUC) ORDER ACTING
ON ELECTRIC UTILITIES' ANNUAL REPORTS AND SETTING FURTHER
REQUIREMENTS DOCKET NO. E999/AA-08-995**

In the Minnesota Public Utilities Commission's Order of March 15, 2010, the MNPUC ordered:

- 12. All electric utilities required to file annual automatic adjustment reports shall work with their contractors to identify and develop reasonable contingency plans to mitigate against the risk of delays or lack of performance when contractors perform poorly and increase costs during plant outages. The Commission asks the Office of Energy Security (OES) to continue monitoring this issue and to include a report on the electric utilities' plans in its next review.**

While Otter Tail has not understood or construed Ordering Point 12 to create an annual reporting requirement within annual AAA dockets, Otter Tail takes contractor performance seriously and has processes and procedures in place to select its vendors and contractors, and subsequently manage their work. A key step in mitigating delays is the selection of qualified contractors and ensuring that appropriate contractual terms are in place to address poor performance. This is combined with project management processes and procedures to hold contractors accountable. Otter Tail believes its current program serves Otter Tail's needs very well. A summary of Otter Tail's processes and procedures specifically related to Procurement, Contracting and Quality Assurance are listed below.

Procurement and Contracting

Standardized contracts are used as much as possible, with formal legal review required of all contracts over \$250,000 and for any contracts that have material changes to template language to key risk articles. Formal legal review is also required for certain contracts regardless of contract value. Request for proposals as part of a competitive bidding/selection process is the norm. Otter Tail believes that the use of competition in the contractor selection process helps Otter Tail achieve reasonable pricing and contractual terms.

Otter Tail strives to have appropriate contractual assurances in place for each transaction by using Otter Tail standardized base contracts. A required step in Otter Tail's contracting process is the development of a Contract Risk Assessment (CRA). The CRA is a worksheet listing the main risks in the particular transaction(s) the contractor is hired for, what sections of the contract the risk is covered, and a narrative describing how each particular risk is addressed in the contract. The CRA allows for an appropriate contract to be developed as the transaction is negotiated. The CRA documentation enhances the risk assessment of a project and is a useful tool for Otter Tail subject matter experts (SME), Sourcing, Legal, and Insurance personnel in developing risk mitigation strategies. The CRA helps ensure the SME is aware of the risks of the work being done by the contractor and how the risk is addressed in the contract. It also assists the SME in holding the contractor responsible.

Depending on the nature of the project additional financial assurances may be sought, including retainage, liquidated damages, performance guarantees, letters of credit, and bonds. For instance, retainage - the withholding of a portion of each invoice during a large construction project - is often an effective way to ensure performance. The leverage that retainage provides helps ensure Otter Tail's work remains a priority for the contractor, which is especially critical if there is an issue that requires immediate attention. Time-sensitive project contracts include a work schedule with milestone dates that are often linked to liquidated damages for delays, all of which helps Otter Tail hold contractors accountable.

The contract approval process ensures the contract is reviewed at the appropriate levels within Otter Tail. The CRA is included with the contract as the contract moves through various levels of organizational approvals. During this process risks and key terms are reviewed.

For major procurements on large construction projects, Otter Tail often holds internal pre-Request for Proposal and pre-contract execution meetings between the SME, Project Management, Sourcing, Legal and Insurance personnel. These meetings allow for robust discussion of project risks and ultimately help Otter Tail identify vendors well suited for the project and to negotiate contracts with appropriate terms protecting Otter Tail. Otter Tail also conducts contractor pre-bid meetings to answer any questions prospective contractors may have before submitting their bid and to discuss risk mitigation options.

Quality Assurance (QA) Quality Control (QC)/ Project Management

Each SME is responsible for reviewing the Scope of Work and monitoring the quality of the work of the contractor. The size and nature of the project will often dictate what resources are used to ensure quality work is completed. On large projects, Otter Tail uses a separate quality assurance SME and a quality assurance firm. For the smaller construction projects, Otter Tail uses the SME and possibly an outside firm. Formal quality assurance/quality control programs are developed for the larger projects, many times with the input of the contractor selected to complete the work. These plans are vetted by Otter Tail's engineering staff, outside quality assurance firms, and senior Otter Tail engineering management.

The scope of Project Management (PM) required depends on the size and complexity of the project / transaction. Otter Tail's larger projects require that a Risk Register is completed by the Project Manager. The Risk Register is a worksheet or table listing the risks associated with the respective project as a whole. These are items that, if they occur, may cause the project to be delayed, cost more than expected, or to be postponed altogether. Each risk is analyzed and an estimated cost as well approximate probability of occurring is listed. The Risk Register assists Project Management in proactively managing the project and increasing the quality of work performed by all involved, including contractors. If needed, items identified in the Risk Register are incorporated into the contractual terms of the contractor. There are other requirements, all of which assist in the project being well run and the respective contractors held accountable. Contract articles define the contractor's responsibilities for staying on schedule, working safely, and staying within the agreed upon price. Otter Tail also requires daily updates on work progress that are discussed in pre-scheduled meetings.

Given the size and nature of Otter Tail's business and the types of projects Otter Tail is involved in, the sourcing strategies and resources outlined above help Otter Tail to prudently scale and deploy resources as needed to effectively manage contractor performance and achieve desired performance outcomes.

Use of Risk Management Provisions

Otter Tail has sought Liquidated Damages (LDs) in the past, as reported in the 2015/2016 AAA report. Otter Tail did not have any contractor performance issues during the 2016/2017 reporting period.

During the 2017/2018 reporting period, Otter Tail successfully used contract provisions to recover costs relating to a Warranty Claim on an installed Selective Catalytic Reduction (SCR) Catalyst. The contract performance guarantee provisions were used to require the Original Equipment Manufacturer (OEM) to provide and install an additional new catalyst layer valued at \$975,910 and installation cost of \$132,090 for a total recovered amount of \$1,108,200. Also, on a large transmission project, Otter Tail collected damages of \$119,530 related to a consultant's error in calculating item quantities on their drawings. The contract warranty provision and insurance provision enabled the recovery of these damages.

During the 2018/2019 reporting period, Otter Tail successfully used contract provisions for delay liquidated damages to recover costs related to delay in achieving substantial completion on a project at Coyote Station. The contractor was late in achieving substantial completion and was charged \$2,000 per day for being 10 days late for an amount of \$20,000. Also, during 2018/2019 period, as part of a large construction project, Otter Tail successfully used contract provisions for delay liquidated damages to recover costs related to late delivery of engineering equipment drawings. The OEM failed to deliver 7 drawings on time and was charged liquidated damages of \$20,000 per drawing for a total liquidated damage amount of \$140,000.

During the 2019/2020 reporting period, Otter Tail successfully used contract provisions for delay liquidated damages to recover costs related to delays on our Astoria Station natural gas simple cycle turbine electric generation project. Otter Tail withheld \$140,000 of liquidated damages for delays on technical deliverables from our gas turbine supplier and an additional \$420,000 for their failure to meet the guaranteed equipment delivery date. We also withheld liquidated damages from our construction general contractor in the amount of \$485,000 for missing Mechanical Completion and \$850,000 for delays in achieving Substantial Completion.

During the 2021 annual reporting period, Otter Tail successfully used contract provisions for the drafting of a warranty settlement on the Astoria Station Gas Turbine project requiring the Supplier to implement a plan to resolve two failing performance criteria: 1) gas turbine acoustical vibration and 2) far field noise levels. The contract clearly defined the requirements for both of these performance criteria which allowed Otter Tail to demand mitigation/resolution of the issues at no cost to Otter Tail. These performance criteria were drafted specifically for this contract and project.

During the 2022 annual reporting period, Otter Tail successfully used contract provisions in mitigating delays in the delivery of metal racking components for a utility scale solar project. The Supplier was given formal notice that portions of their deliveries were late, and as a result liquidated damages were assessed per the contract to cover Otter Tail's expenses incurred as a result of the delays. Our equipment designer and

manufacturer of the Astoria Station Gas Turbine project was given formal notice of contract warranty provisions in three different matters; 1.) for the repair of damaged expansion joints 2.) cracking on air pipe support welds and 3.) for defective design on the fire mist system. Otter Tail also cited contract requirements for the manufacturer to perform a root cause investigation regarding the repeated failures in the expansion joint and to make repairs or adjustments necessary to correct the root cause identified in the root cause investigation.

During the 2023 annual reporting period, Otter Tail successfully used contract provisions, specifically the warranty language of the contract to mitigate the impact of a firmware issue with a meter supplier. The supplier notified Otter Tail that the firmware was not updated prior to meters being delivered. A solution was negotiated and implemented with no cost or schedule impact to the project. Another occurrence in 2023 Otter Tail successfully limited contract cost due to the cancellation of a large power transformer. The contract with the power transformer supplier was drafted with clear cancellation language to protect Otter Tail Power from additional costs in the event the end user decided to not move forward with the project.

Appendix B
Docket No. E017/AA-22-214
Rule 7825.2820 Independent Auditor's Report

INDEPENDENT ACCOUNTANT'S REPORT

Otter Tail Power Company:

We have performed the procedures enumerated below related to Otter Tail Power Company's (the "Company") forecasted Energy Adjustment Charges filed on Docket No. E017/AA-22-214 with the Minnesota Public Utilities Commission (the "Commission") for the period from January 1, 2023 to December 31, 2023, in accordance with the Commission Rules 7825.2500 to 7825.2820 governing automatic adjustment of energy charges, along with the Energy Adjustment Rider, as defined in Docket No. E-999/CI-03-802 by order of the Commission ("the subject matter"). The Company's management is responsible for the subject matter.

Otter Tail Power Company has agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of assisting the specified parties in evaluating compliance with the subject matter. The procedures performed are specified in Docket No. E-999/AA-15-611 by order of the Commission.

We make no representation regarding the appropriateness of the procedures either for the purpose for which our report has been requested or for any other purpose. Accordingly, this report may not be suitable for either the purpose of which this report has been requested or for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

Our procedures and findings are as follows:

- a. We compared a random sample of twelve invoices received from energy suppliers to the amount recorded and paid by the Company and found them to be in agreement.
- b. As the Company no longer includes Energy Adjustment Charges within base costs, comparing the base costs of power to the bases used by the Company in calculating the billing adjustment each month is no longer applicable.
- c. We recalculated the billing adjustment charge (credit) per kWh charged to customers for purchased power on a monthly basis for the year ended December 31, 2023, by customer class. We identified no exceptions between our recalculation and the Company's reported adjustment.
- d. We compared the revenues billed to customers for energy delivered for the year ended December 31, 2023 as included in the Company's energy adjustment calculation filing, to the total sales of electric energy per the Company's general ledger and found them to be in agreement.
- e. We randomly selected twelve individual billings across customer classes and recalculated the energy adjustment charge (credit). We compared the recalculated charge (credit) per the customer bill to the energy adjustment charge (credit) as reported by the Company for that customer class in the energy adjustment calculation filing and found them to be in agreement.
- f. We inquired of the Company's management whether any corrections to energy adjustment charges or other billing errors occurred during the period. The Company's management stated

that they did not identify any corrections to energy adjustment charges or other billing errors for the period January 1, 2023 through December 31, 2023.

- g. We obtained from the Company a reconciliation of the total revenue and cost of power from the energy adjustment calculation filing to the Company's general ledger for the year ended December 31, 2023 and found them to be in agreement.
- h. We recalculated the true-up calculation included within the energy adjustment calculation filing, and traced the related revenue and expense amounts to the Company's general ledger and found them to be in agreement.

We were engaged by the Company to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the American Institute of Certified Public Accountants. We were not engaged to and did not conduct an examination or review engagement, the objective of which would be the expression of an opinion or conclusion, respectively, on the subject matter. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

We are required to be independent of the Company and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Company and the Commission, and is not intended to be, and should not be, used by anyone other than these specified parties.

Deloitte & Touche LLP

February 28, 2024

Appendix C
Docket No. E017/AA-22-214
Rule 7825.2830 Notice of Report Availability

215 South Cascade Street
PO Box 496
Fergus Falls, Minnesota 56538-0496
218 739-8200
www.otpc.com (web site)



March 1, 2024

Notice of Availability of Reports

To: All Intervenors in Otter Tail Power Company
Retail Rate Proceedings
Docket No. E017/GR-15-1033
Docket No. E017/GR-20-719

The Minnesota Public Utilities Commission (Commission) requires Otter Tail Power Company and other Minnesota public utilities to file various annual reports concerning utility operations with the Commission as specified in Minn. R. 7825.2800 to 7825.2830 and as amended by the Commission at its April 25, 2019 meeting. The subject matter of the reports filed includes the following:

- Minn. R. 7825.2810 Automatic Adjustment Charges
- Minn. R. 7825.2820 Annual Independent Auditors' Report
- Minn. R. 7825.2840 Notice of Reports Availability, Certificate of Service, and Service Lists

Also included in this Filing are the additional fuel clause related reporting requirements under various Commission Orders and as approved by the Commission at its April 25, 2019 agenda meeting.

Minn. R. 7825.2840 requires Otter Tail Power Company to provide this notice of availability of such reports to all intervenors in the previous two general rate cases. The above report is available for public inspection at the MPUC offices or on the Minnesota Department of Commerce edockets website (<https://www.edockets.state.mn.us/efiling>). Copies of the above reports are also available upon written request to Otter Tail Power Company. Please note that certain information contained in these reports is considered trade secret and is unavailable to the public.

Sincerely,

/s/ AMBER STALBOERGER
Amber Stalboerger
Manager, Regulatory Analysis

CERTIFICATE OF SERVICE

**RE: In the Matter of Otter Tail Power Company's Petition for Approval
of the Annual True-Up for its Energy Adjustment Rider, Rate
Schedule 13.01
Docket No. E017/AA-22-214**

I, Valerie Moxness, hereby certify that I have this day served a copy of the following, or a summary thereof, on Will Seuffert and Sharon Ferguson by e-filing, and to all other persons on the attached service list by electronic service or by First Class Mail.

**Otter Tail Power Company
Compliance Filing**

Dated this 1st day of March 2024.

/s/ Valerie Moxness
Valerie Moxness
Regulatory Filing Coordinator
Otter Tail Power Company
215 South Cascade Street
Fergus Falls MN 56537
(218) 739-8346

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_15-1033_Official Service List
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Charles	Drayton	charles.drayton@enbridge.com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Remi	Engbers	remi.engbers@woodsfuller.com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_15-1033_Official Service List
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_15-1033_Official Service List
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_15-1033_Official Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Annete	Henkel	mui@mnuityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_15-1033_Official Service List
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bill	Lachowitz	blachowitz@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_15-1033_Official Service List
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_15-1033_Official Service List
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_15-1033_Official Service List
Joseph	Meyer	joseph.meyer@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Rate Case Inbox	Rate Case Inbox	mnratecase@otpc.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_15-1033_Official Service List
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List

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Mariah	Bevins	Maria.Bevins@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_20-719_Official
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_20-719_Official
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official
Jason	Decker	jason.decker@llojbwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_20-719_Official
Richard	Dornfeld	Richard.Dornfeld@ag.state.mn.us	Office of the Attorney General-DOC	Minnesota Attorney General's Office 445 Minnesota Street, Suite 1800 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official
Charles	Drayton	charles.drayton@enbridge.com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_20-719_Official
Remi	Engbers	remi.engbers@woodsfuller.com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_20-719_Official
Kelly C.	Engebretson	Kelly.Engebretson@lawmoss.com	Moss & Barnett	150 S. 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_20-719_Official

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Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_20-719_Official
Jessica	Fyhrie	jfyhrie@otpc.com	Otter Tail Power Company	PO Box 496 Fergus Falls, MN 56538-0496	Electronic Service	No	OFF_SL_20-719_Official
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-719_Official
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Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official
Kristin	Henry	kristin.henry@sierraclub.org	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_20-719_Official
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_20-719_Official
Faron	Jackson, Sr.	faron.jackson@llojibwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_20-719_Official

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Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Bill	Lachowitzer	blachowitzer@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_20-719_Official
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Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_20-719_Official
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_20-719_Official
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Tim	Miller	Tim.Miller@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_20-719_Official

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Andrew	Moratzka	andrew.moratzka@stoel.com	Steel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Matthew	Olsen	molsen@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
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Peter	Scholtz	peter.scholtz@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_20-719_Official
Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_20-719_Official
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official
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Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_20-719_Official
Laurie	Williams	laurie.williams@sierraclub.org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste 200 Denver, CO 80202	Electronic Service	No	OFF_SL_20-719_Official
Laurie	York	laurie.york@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
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Kristin	Henry	kristin.henry@sierraclub.org	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_22-214_AA-22-214
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_22-214_AA-22-214
Faron	Jackson, Sr.	faron.jackson@llojbwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_22-214_AA-22-214

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Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_22-214_AA-22-214
Kavita	Maini	kmains@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_22-214_AA-22-214
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Tim	Miller	Tim.Miller@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_22-214_AA-22-214
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Matthew	Olsen	molsen@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_22-214_AA-22-214
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_22-214_AA-22-214
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_22-214_AA-22-214
William	Rader	wrader@otpc.com	Otter Tail Power Company	215 South Cascade St Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_22-214_AA-22-214
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Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_22-214_AA-22-214
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_22-214_AA-22-214
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	No	OFF_SL_22-214_AA-22-214

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Laurie	Williams	laurie.williams@sierraclub.org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste 200 Denver, CO 80202	Electronic Service	No	OFF_SL_22-214_AA-22-214
Laurie	York	laurie.york@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_22-214_AA-22-214
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