

March 1, 2024

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

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

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 <u>astalboerger@otpco.com</u>.

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 <u>net</u> 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 Idonofrio@otpco.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 Otter Tail Power Company 215 South Cascade Street P. O. Box 496 Fergus Falls, MN 56538-0496 (218) 739-8728 astalboerger@otpco.com

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 Otter Tail Power Company 215 South Cascade Street Fergus Falls, MN 56538-0496 (218) 739-8728 astalboerger@otpco.com

Lauren Donofrio Sr. Associate General Counsel Otter Tail Power Company 215 South Cascade Street Fergus Falls, MN 56538-0496 (218) 739-8774 Idonofrio@otpco.com

Regulatory Filing Coordinator Otter Tail Power Company 215 South Cascade Street P.O. Box 496 Fergus Falls, MN 56538-0496 regulatory filing coordinators@otpco.com

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 overcollection 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.

	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%)

Table 1 2023 FCA Summary (Total System)

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.

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)

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

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).

Total System						
Month	Actual	Forecast ²	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			

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

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.

(Total System)						
Month	Actual	Initial Forecast ³	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 **Total FCA Cost Per kWh Initial Forecast to Actual Comparison**

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**

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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.

	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)		

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

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 Trueup 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.

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%)	

Table 6

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.

MARKET PURCHASES AND POWER PURCHASE AGREEMENTS G.

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.

(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%)	

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

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.

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

Table 10 2023 Annual True-Up Balance MN Share

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, 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 0.001ϕ) 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 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 overcollections 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 Amber Stalboerger Manager, Regulatory Analysis Otter Tail Power Company 215 South Cascade Street P. O. Box 496 Fergus Falls, MN 56538-0496 (218) 739-8728 astalboerger@otpco.com

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)
Attachment 8	MISO Module E (Not Public)
Attachment 9	MISO Day 2 Charges – MN Share
Attachment 10	MISO Day 2 by Retail, Asset, NonAsset
Attachment 11	SPP Charges
Attachment 12	Generation Maintenance Expense
Attachment 13	Plant Forced Outage (Not Public)
Attachment 14	Wind Curtailment (Not Public)
Attachment 15-18	MISO ASM Charges
Attachment 19	Planning Resource Auction Revenues
Attachment 20	Hoot Lake Solar Revenue
Appendix A	Compliance Items (Not Public)
Appendix B	Rule 7825.2820 Independent Auditor's Report
Appendix C	Rule 7825.2830 Notice of Report Availability

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

	Г	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) MN FCA Revenue (Line 11-Line	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
	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 6	2022 True Up 2022 True Up (line 3 * line 5)	\$0.0000 \$0	\$0.003600 \$793,467	\$0.003600 \$730,197	\$0.003600 \$818,272	\$0.003600 \$880,84 4	\$3,222,779							
7 8	2023 Supplemental 2023 True Up (line 3 * line 7)	\$0.0000 \$0	(\$0.003275) (\$721,834)	(\$0.003275) (\$664,276)	(\$0.003275) (\$744,400)	(\$0.003275) (\$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 F	CA Revenue (Line 4)	(1)	\$71,867,995
14														

14		(1) \$\$71,007,553
15 16	Actual Energy Cost Over/(Under) Recovery for 2023 FCA Year	(2) \$58,104,221 (3) \$13,763,774
17		(0) (10,,00,,7,1
18	Projected Cumulative Over/(Under) for 2022 FCA Year as of 08/31/2024 Projected Cumulative Over/(Under) for 2023 FCA Year as of 08/31/2024	(4) \$ 4,519 (5) \$ 5,197,464
	Projected Cumunative Over/(Under) for 2025 FCA fear as of 06/51/2024	(3) \$ 3,197,404
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
	 Total adjusted recovery: Sum of recovery from FCA and recovery from base cost Actual energy root: MIX why sales subject to COE / total systems as lengy total systemery cost 	
	(2) Over/under accept cost, and want sames subject to Cost (3) Over/under 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."	
	period the true-up rate will be in each and then multiplied by the application EAF ratio. (8) Refund to customers / Forecasted kWh September 2023 through December 2023	
	(4) % Over/(Under) Recovery 8.95%	
	(4) % OVer/(Under) Kecovery 8.59% % of MN sales (subject to FCA) to system 48.1142%	
	Energy costs allocated to TV to space Energy costs allocated to TV to space State Subject to FCA \$58,104,221 \$0	

Minnesota COE Calculation

FORECASTED COSTS

-							FORE	CASTED CO	5515					
ine Io.	А	в	С	D	Е	F	G	н	I	J	к	L	м	Ν
1 Rate Effective n	nonth	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 Perio	d 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 Genera	ation	\$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 M	larket 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 P	ower	\$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 Curtailr	ment	(\$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-Ba	ased 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 So	olar 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 W	Vater 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 Plannir	ng 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 Syst	tem 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 p	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 f	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	
10 Dravisional Datu	nd 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)	

							AC	TUAL COST	rs					
Line No.	A	в	С	D	F	F	G	н	1	J	к	L	м	N
20 R	ate 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 B	ased 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 F	uel 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 E	inergy 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 A	ictual 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

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E 1						(5)	
ŀ			January 2023	2023 Forecast to Ac January 2023	tual - Expense	(rcevenue)	
Line	Plant C	eneration	Forecast [PROTECTED DA	Actual			Notes
1	Plant G	Big Stone	IPROTECTED DA	ATA BEGINS		I	
2		Coyote	-				Liest Leve eleve dis May 2024
4		Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021
5			\$ 6,838,131	¢ 0.035.504	PROTECT \$ (4,802,571)	ED DATA ENDS] -70.23%	
6 7		Total Coal	\$ 6,838,131 [PROTECTED DA	TA BEGINS	\$ (4,802,571)	-70.23%	
8		Langdon Wind Ashtabula Wind	-				
10		Luverne Wind	_				
11		Merricourt	-		DROTFOT		
12 13		Total Wind	s -	\$-	PROTECT \$ -	ED DATA ENDS] 0	
14							
15 16		Total Hydro	\$ - [PROTECTED DA	S -	\$ -	0	
17		Jamestown 1	-				
18 19		Jamestown 2 Lake Preston	-				
20						ED DATA ENDS]	
21 22		Total Oil - Peaking Units	\$ 481,035 [PROTECTED DA		\$ (475,777)	-98.91%	
23		Natural gas - Solway	-			1	
24 25		Natural gas - Astoria		-	PROTECT	ED DATA ENDS	
26		Total Natural Gas			\$ (3,381,918)		
27 28		Solar - Blue Jay	IPROTECTED DA	TA BEGINS		I	
29		Solar - Blue Heron					
30 31		Solar - Hoot Lake			PROTECT	ED DATA ENDS	
32		Total Solar	\$-	\$-	\$ -	0	
33 34		Total OTP-Owned	\$ 11 784 934	\$ 3.124.669	\$ (8,660,266)	-73.49%	
35			÷ 11,704,334	- 0,124,009	+ (0,000,200)	-13.49%	
36	Wholes	ale Market Charges MISO Wholesale Market Charges					
37 38		DA Asset Energy Amount***	\$-	\$-	\$-	0	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40 41	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	<u>\$</u> - \$-	\$- \$-	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (265,251)	\$ (262,145)	\$ 3,106	-1.17%	
43 44	555.21	RT FBT Loss Amount DA Loss Amount	\$ - \$ 698,279	\$ - \$ 479,906	\$ - \$ (218,372)	-31.27%	
45		RT Loss Amount	\$ 44,607	\$ 57,585	\$ 12,978	29.10%	
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	<u>\$</u> - \$-		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49 50	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 86,901		\$ - \$ (35,426)	-40 77%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$ 9,048	\$ 6,594	\$ (2,454)	-27.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	<u>\$ 2,321</u> \$ -	\$ 1,530 \$	\$ (790) \$ -	-34.06%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion	\$ 519,235		\$ 1,061,655	204.47%	
55 56	555.20	RT FBT Congestion Amount RT Congestion	\$ - \$ 42,431	\$ - \$ 128,330	\$ - \$ 85,899	0 202.44%	
57	555.14	FTR Hourly Allocation Amount	\$ (879,622)		\$ (1,171,439)	133.18%	
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (25,252) \$ (291,097)	\$ (73,888) \$ (61,726)		192.60% -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 63	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ (306,588) \$ (936,249)	\$ (7,483,097)	\$ (6,546,848)	-77.90% 699.26%	
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 932,574 \$ 4,775		\$ 6,548,005 \$ 4,420	702.14% 92.56%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (45,139)	\$ (108,463)	\$ (63,324)	140.29%	
67 68	555.07	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 14,515	\$-	\$-	0	
68 69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 14,515 \$ (328)	\$-	\$ 328	-17.32%	
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 61,051 \$ (53,831)	\$ 8,103		-86.73% -100.00%	
72	555.42	RT Price Volatility Make Whole Payment	\$ (36,614)			-10.00%	
73 74	555.28	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 110,172 \$ 6,224	\$ 145,577	\$ 35,405	32.14% -36.65%	
75	555.27	RT Net Inadvertent Amount	\$ (2,816)	\$ (14,942)	\$ (12,126)	430.54%	
76 77	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ -	\$-	\$-	0	
78	555.63	DA Ramp Product	\$ (1,893)	\$ -	\$ 1,893	-87.83% -100.00%	
79 80	555.64	RT Ramp Product	\$ (682)	\$ (119)	\$ 563	-82.54%	
80 81		RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 7,267 \$ -	\$ 18,906 \$ -	\$ 11,639 \$ -	160.16% 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 84		DA Congestion Rebate on COGA DA Losses Rebate on COGA	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	0	
85	555.22	RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	<u>\$</u> - \$-	\$ - \$ 6,271	\$ - \$ 6,271	0	
88				• •)=···			
89 90		Total MISO Wholesale Market Charges	\$ (89,452)	\$ (155,096)	\$ (65,644)	73.38%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91		SPP Wholesale Market Charges	<u>^</u>		^		
92 93		DA Asset Energy Amount*** DA Non-asset Energy Amount	<u>\$</u> - \$-		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96		RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	<u>\$</u> - \$-		\$ - \$ -	0	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 183	\$ (4)	\$ (187)	-102.02%	
98 99	555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	<u>\$</u> - \$21		\$ - \$ 0	0	
100	555.04	DA Regulation-Down Distribution Amount	\$ 11	\$ 2	\$ (9)	-82.49%	
101 102	555.05 555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 23 \$ 24				
	555.07	DA Supplemental Reserve Distribution Amount	\$ 3	\$ 1	\$ (2)	-79.82%	
103	555.08	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$ (0) \$ (54,232)	\$ - \$ (15,288)	\$ 0 \$ 38,944		
104	555.11	RT Regulation-Down Distribution Amount	\$ (0)	\$ (0)	\$ (0)	1319.72%	
104 105 106	555.12		\$ (0) \$ (1)	\$ (0) \$ (0)			
104 105 106 107	555.12 555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount			\$ 0	-95.01%	
104 105 106 107 108 109	555.12 555.13 555.14 555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (0)		e 0	-100.00%	
104 105 106 107 108 109 110	555.12 555.13 555.14 555.16 555.17	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	\$ (0) \$ (0)	\$ -	\$ 0 \$ 140.268		
104 105 106 107 108 109 110 111 112	555.12 555.13 555.14 555.16 555.17 555.20 555.21	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	\$ (0) \$ (0) \$ (96,417) \$ (30,633)	\$ - \$ 43,851 \$ 16,421	\$ 140,268 \$ 47,053	-145.48% -153.61%	
104 105 106 107 108 109 110 111 112 113	555.12 555.13 555.14 555.16 555.17 555.20 555.21 555.23	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (0) \$ (0) \$ (96,417) \$ (30,633) \$ (7)	\$ - \$ 43,851 \$ 16,421 \$ (11)	\$ 140,268 \$ 47,053 \$ (3)	-145.48% -153.61% 46.59%	
104 105 106 107 108 109 110 111 112 113 114 115	555.12 555.13 555.14 555.16 555.17 555.20 555.21 555.23 555.23 555.26 555.28	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Looss Amount Miscellaneous Amount ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ (0) \$ (96,417) \$ (30,633) \$ (7) \$ - \$ (0)	\$ - \$ 43,851 \$ 16,421 \$ (11) \$ - \$ - \$ -	\$ 140,268 \$ 47,053 \$ (3) \$ - \$ 0	-145.48% -153.61% 46.59% 0 -100.00%	
104 105 106 107 108 109 110 111 112 113 114	555.12 555.13 555.14 555.16 555.17 555.20 555.21 555.26 555.28 555.28 555.29	RT Requiation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Loss Amount RT Pseudo Tie Loss Amount Miscellaneous Amount ARR Closeour Vearly Amount RT Demand Reduction Distribution Amount RT Schedule IAS Amount	\$ (0) \$ (96,417) \$ (30,633) \$ (7) \$ - \$ (0) \$ 1	\$ - \$ 43,851 \$ 16,421 \$ (11) \$ - \$ - \$ 1	\$ 140,268 \$ 47,053 \$ (3) \$ - \$ 0 \$ (0)	-145.48% -153.61% 46.59% 0 -100.00% -30.11%	
104 105 106 107 108 109 110 111 112 113 114 115 116	555.12 555.13 555.14 555.16 555.20 555.20 555.23 555.26 555.28 555.28 555.29 555.30 555.30	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Looss Amount Miscellaneous Amount ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ (0) (0) (0) (96,417) (30,633) (7) (7) (7) (7) (7) (0) (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	\$ 43,851 \$ 16,421 \$ (11) \$ - \$ - \$ 1 \$ 1 \$ 4 \$ 0	\$ 140,268 \$ 47,053 \$ (3) \$ - \$ 0 \$ 0 \$ (0) \$ (2)	-145.48% -153.61% 46.59% -100.00% -30.11% -40.45% 0	

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121	555.34 RT Ramp Up Distribution Amount	\$		\$-	\$ ·		0 New charge type in 2022
121	555.35 RT Ramp Down Distribution Amount	\$		ş - \$ -	\$		0 New charge type in 2022
123		\$	10			12) -113.469	
124	555.22 DA GFA Carve Out Distribution Deployment Monthly Amount	ŝ	0			(0) -104.089	
125		ŝ		\$ -	\$		0
126	Total SPP Wholesale Market Charges		181,009)				
127		• •	,,		·,		
128	MISO ASM						
129	Day Ahead Regulation Amount	\$	(56,038)	\$ (8,750	\$ 47,2	37 -84.399	6
130	Real Time Regulation Amount	\$	11.807				
131	Regulation Cost Distribution Amount	ŝ	18,405				
132	Day Ahead Short-Term Reserve Amount	\$	(20,831)				
133	Real Time Short-Term Reserve Amount	ŝ	980				
134	Short-Term Reserve Cost Distribution Amount	ŝ	9.069				
135	Day Ahead Spinning Reserve Amount		(23,988)				
136	Real Time Spinning Reserve Amount	\$	4,577				
137	Spinning Reserve Cost Distribution Amount	\$	11,162				
138	Day Ahead Supplemental Reserve Amount		(11,057)				
139	Real Time Supplemental Reserve Amount	\$	4,894				
140	Supplemental Reserve Cost Distribution Amount	ŝ	1.902			52 44.809	
141	Contingency Reserve Deployment Failure Charge Amount	ŝ	24			24) -100.009	
142	Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,451				
143	Short-Term Reserve Deployment Failure Charge Amount	\$		\$ -	\$		0
144	Net Regulation Adjustment Amount	ŝ	1.440			-153.249	× 6
145	Total MISO ASM	\$	(45,202)				
146							
147	Total Wholesale Market Charges	\$ (315,663)	\$ (78,894	\$ 236,7	-75.01%	6
148							
149							
150	Purchased Power						
150 151		[PROTEC	CTED DA	TA BEGINS			
		[PROTEC	CTED DA	TA BEGINS			
151		[PROTEC	CTED DA	TA BEGINS			
151 152	Edgeley PPA	[PROTEC	CTED DA	TA BEGINS			
151 152 153	Edgeley PPA Langdon PPA	[PROTEC	CTED DA	TA BEGINS			Not Applicable to EAR - Excluded from Total
151 152 153 154	Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTEC	CTED DA	TA BEGINS			Not Applicable to EAR - Excluded from Total
151 152 153 154 155	Edgelev PPA Lanadon PPA Ashtabula III PPA Tribal (WAPA)	[PROTEC	CTED DA	TA BEGINS			Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156	Edgelev PPA Landon PPA Ashtabula III PPA Trbal (WAPA) WAPA Energy Imbalance	[PROTEC	CTED DA	TA BEGINS			Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads		CTED DA	TA BEGINS			Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		CTED DA	TA BEGINS			Not Applicable to EAR - Excluded from Total MISO and SPP Energy
151 152 153 154 155 156 157 158 159 160 161	Edoeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	- - - - - - -				CTED DATA ENDS	MISO and SPP Energy
151 152 153 154 155 156 157 158 159 160 161 162	Edaeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	- - - - - - -	877,245				MISO and SPP Energy
151 152 153 154 155 156 157 158 159 160 161	Edoeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	- - - - - - -					MISO and SPP Energy
151 152 153 154 155 156 157 158 159 160 161 162	Edoeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases			\$ 25,164,942	\$13,287,6	96 111.889	MISC and SPP Energy 6 Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 158 159 160 160 161 162 163	Edoeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases	\$ 11,	877,245	\$ 25,164,942	\$13,287,6	96 111.889	MISC and SPP Energy 6 Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164	Edoeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases	\$ 11, \$	877,245	\$ 25,164,942 \$ (53,670	\$13,287,6	06 111.889 01) 2165.249	MISC and SPP Energy 6 Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 156 157 158 159 160 161 162 163 164 165 166 167	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales	\$ 11, \$ \$ \$ (3, \$ (1,	877,245 (2,369) 588,328) 058,816)	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329	\$13,287,6 \$ (51,3 \$ 3,267,2 \$ 849,4	96 111.889 01) 2165.249 39 -91.059 37 -80.239	MISO and SPP Energy 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7
151 152 153 154 155 156 157 157 158 159 161 162 163 164 165 166 167 168	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales	\$ 11, \$ \$ \$ (3, \$ (1,	877,245 (2,369) 588,328)	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329	\$13,287,6 \$ (51,3 \$ 3,267,2	96 111.889 01) 2165.249 39 -91.059 37 -80.239	MISO and SPP Energy 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Edgeley PPA Langdon PPA Ashtabali II PPA Tribal (WAPA) WAPA Engy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Education State Sales Fuel Costs	\$ 11, \$ \$ \$ (3, \$ (1,	877,245 (2,369) 588,328) 058,816)	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329	\$13,287,6 \$ (51,3 \$ 3,267,2 \$ 849,4	96 111.88 01) 2165.24% 39 -91.05% 37 -80.23% 52 -95.58%	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Edgeley PPA Langdon PPA Ashtabali II PPA Tribal (WAPA) WAPA Engy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Education State Sales Fuel Costs	\$ 11, \$ \$ \$ (3, \$ (1,	877,245 (2,369) 588,328) 058,816)	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329	\$13,287,6 \$ (51,3 \$ 3,267,2 \$ 849,4	96 111.88 01) 2165.24% 39 -91.05% 37 -80.23% 52 -95.58%	MISO and SPP Energy 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7
151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 171	Edoeley PPA Langdon PPA Ashtabub III PPA Tribal (WAPA) WAPA Enrogy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit	\$ 11, \$ \$ \$ (3, \$ (1, \$ (2, \$	877,245 (2,369) 588,328) 058,816) 529,513) -	\$ 25,164,942 \$ (53,670 \$ (321,088 \$ (29),329 \$ (111,761 \$ -	\$13,287,6 \$(51,3 \$3,267,2 \$849,2 \$2,417,7 \$	96 111.889 91) 2165.249 39 -91.059 37 -80.239 52 -95.589 0	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6 8 6 8 6 9 8 9 9 9 9 9 9 9 9
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Edoeley PPA Langdon PPA Ashtabub III PPA Tribal (WAPA) WAPA Enrogy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit	\$ 11, \$ \$ \$ (3, \$ (1, \$ (2, \$	877,245 (2,369) 588,328) 058,816) 529,513)	\$ 25,164,942 \$ (53,670 \$ (321,088 \$ (29),329 \$ (111,761 \$ -	\$13,287,6 \$(51,3 \$3,267,2 \$849,2 \$2,417,7 \$	96 111.889 91) 2165.249 39 -91.059 37 -80.239 52 -95.589 0	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6
151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 171 172 173	Edoeley PPA Langdon PPA Ashtabub III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ 11, \$ \$ (3, \$ (1, \$ (2, \$	877,245 (2,369) 588,328) 058,816) 529,513) - 306,461	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329 \$ (111,761 \$ - \$ 95,634	\$13,287,6 \$(51,3) \$3,267,2 \$849,4 \$2,417,7 \$ \$ \$(210,6	36 111.88° 31) 2165.24° 33) -91.05° 37 -80.23° 52 -95.58° (1) (1) (27) \$	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6 6 6 6 6 6 6 6
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 167 168 169 170 171 172 173 174	Edoeley PPA Langdon PPA Ashtabub III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ 11, \$ \$ (3, \$ (1, \$ (2, \$	877,245 (2,369) 588,328) 058,816) 529,513) -	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329 \$ (111,761 \$ - \$ 95,634	\$13,287,6 \$(51,3) \$3,267,2 \$849,4 \$2,417,7 \$ \$ \$(210,6	36 111.88° 31) 2165.24° 33) -91.05° 37 -80.23° 52 -95.58° (1) (1) (27) \$	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6 8 6 8 6 9 8 9 9 9 9 9 9 9 9
151 152 153 154 155 156 157 160 161 162 163 164 165 166 167 168 169 170 171 172 173 175	Edoeley PPA Langdon PPA Ashtabub III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ 11, \$ \$ (3, \$ (1, \$ (2, \$	877,245 (2,369) 588,328) 058,816) 529,513) - 306,461	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329 \$ (111,761 \$ - \$ 95,634	\$13,287,6 \$(51,3) \$3,267,2 \$849,4 \$2,417,7 \$ \$ \$(210,6	36 111.88° 31) 2165.24° 33) -91.05° 37 -90.23° 52 -95.58° (1) (1) (27) \$	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6 6 6 6 6 6 6 6
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 168 169 170 171 172 173 176	Edoeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Enrgy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Total Purchases Wind Curtailment Hout Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ 11, \$ (3, \$ (2, \$ \$	877,245 (2,369) 588,328) 058,816) 529,513) - 306,461	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (200,329 \$ (111,761 \$ - \$ 95,634 \$ (32,518	\$13,287,6 \$ (51,3 \$ 3,267,2 \$ 849,4 \$ 2,417,7 \$ \$ \$ (210,8 \$ 63,7	36 111.88° 31) 2165.24° 33 -91.05° 37 -80.23° 52 -95.58° 00 0 27) \$ 31 \$	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total 6 6 6 6 6 6 6 6 6 6 6 6 6
151 152 153 154 155 156 157 160 161 162 163 164 165 166 166 167 170 171 173 174 175 177 177	Edoeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Enrgy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Total Purchases Wind Curtailment Hout Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ 11, \$ (3, \$ (2, \$ \$	877,245 (2,369) (588,328) (058,816) (529,513) - 306,461 (96,249)	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (200,329 \$ (111,761 \$ - \$ 95,634 \$ (32,518	\$13,287,6 \$ (51,3 \$ 3,267,2 \$ 849,4 \$ 2,417,7 \$ \$ \$ (210,8 \$ 63,7	36 111.88° 31) 2165.24° 33 -91.05° 37 -80.23° 52 -95.58° 00 0 27) \$ 31 \$	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 D Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 164 165 166 167 168 168 168 169 170 171 172 173 176	Edoeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Enrgy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Total Purchases Wind Curtailment Hout Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ 11, \$ 11, \$ (3, \$ (1, \$ (2, \$ (2, \$ (2, \$ (2, \$ (2, \$ (2, \$ (3, \$ (2, \$ (3, \$ (2, \$ (3, \$ (2, \$ (3, \$ (2, \$ (2, \$ (3, \$	877,245 (2,369) (588,328) (058,816) (529,513) - 306,461 (96,249)	\$ 25,164,942 \$ (53,670 \$ (321,089 \$ (209,329 \$ (111,761 \$ \$ 95,634 \$ (32,518 \$ (688,824	\$13,287,6 \$ (51.3 \$ 3,267,2 \$ 849,2 \$ 2,417,7 \$ \$ (210,6 \$ 63,7 \$	36 111.88° 01) 2165.24° 39 -91.05° 37 -80.23° 52 -95.58° 27) \$ 11 \$ 11 \$ 11 \$	MISO and SPP Energy MISO and SPP Energy Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 D Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

Att2 Rate CalculationMN OTP Revised Filing 2022-12-01

\$19,188,030.12

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

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123 555.35 R'' 124 555.01 D 125 555.22 D 126 555.27 D 127 128 129 MM 130 Dc 130 Dc R 132 R 133 Dc R 133 Dc 134 R R 135 S' 135 S' S D 26	T Ramp Dup Distribution Amount T Ramp Down Distribution Deployment Daily Amount A GFA Carve Out Distribution Deployment Monthly Amount A GFA Carve Out Distribution Deployment Yearly Amount A GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges ISO ASM ay Ahead Requilation Amount equilation Cost Distribution Amount equilation Cost Distribution Amount	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A		New charge type in 2022 New charge type in 2022
124 555.01 D. 125 555.22 D. 126 555.27 D. 126 555.27 D. 127 555.27 D. 127 127 555.27 D. D. 128 130 D. 130 131 R 132 R 132 R 133 D. 134 135 S	A GFA Carve Out Distribution Deployment Daily Amount A GFA Carve Out Distribution Deployment Monthy Amount A GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges IISO ASM av Ahead Regulation Amount eal Time Regulation Amount gulation Carlo Distribution Amount	N/A N/A N/A	N/A N/A N/A		Intern change spice at 2022
125 555.22 D/ 126 555.27 D/ 127 128 129 MI 130 D2 131 Rt 132 Rt 133 D2 134 Rt 135 St 136 D2 136 D2	A GFA Carve Out Distribution Deployment Monthly Amount A GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges ISO ASM av Ahead Regulation Amount eal Time Regulation Amount egulation CAS Distribution Amount	N/A N/A	N/A N/A		
126 555.27 D/ 127 128 129 MI 129 MI 02 131 Re 130 Dz 133 Dz 134 Re 134 Rs 135 Si 136 Dz	A GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges IISO ASM av Ahead Regulation Amount eal Time Regulation Amount gulation CAS Distribution Amount	N/A N/A	N/A		
127 128 129 M 130 Da 131 Re 132 Re 133 Da 134 Re 135 St 136 Da	Total SPP Wholesale Market Charges ISO ASM ay Ahead Regulation Amount eal Time Regulation Amount egulation Cost Distribution Amount	N/A			
128 Mi 129 Mi 130 Da 131 Re 132 Re 133 Da 134 Re 135 SF 136 Da	ISO ASM av Ahead Regulation Amount eal Time Regulation Amount egulation Cast Distribution Amount	N/A	N/A		
129 MI 130 Dz 131 Re 132 Re 133 Dz 134 Re 135 SH 136 Dz	ay Ahead Regulation Amount eal Time Regulation Amount egulation Cost Distribution Amount		N/A		
130 Date 131 Ref 132 Ref 133 Date 134 Ref 135 SH 136 Date	ay Ahead Regulation Amount eal Time Regulation Amount egulation Cost Distribution Amount		N/A	1	
131 Re 132 Re 133 Da 134 Re 135 Sh 136 Da	eal Time Regulation Amount egulation Cost Distribution Amount		N/A I		-
132 Re 133 Da 134 Re 135 St 136 Da	egulation Cost Distribution Amount	N/A			
133 Da 134 Re 135 Sh 136 Da			N/A		
134 Re 135 Sh 136 Da		N/A	N/A		
135 Sh 136 Da		N/A	N/A		
136 Da	eal Time Short-Term Reserve Amount	N/A N/A	N/A	·	
	hort-Term Reserve Cost Distribution Amount	N/A N/A	N/A	·	
	ay Ahead Spinning Reserve Amount		N/A	·	
	eal Time Spinning Reserve Amount	N/A	N/A	·	
	pinning Reserve Cost Distribution Amount	N/A	N/A	·	
	ay Ahead Supplemental Reserve Amount	N/A	N/A		
	eal Time Supplemental Reserve Amount	N/A	N/A	·	
	upplemental Reserve Cost Distribution Amount	N/A	N/A	·	
	ontingency Reserve Deployment Failure Charge Amount	N/A	N/A		
	eal Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
	hort-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
	et Regulation Adjustment Amount	N/A	N/A	·	
146	Total MISO ASM		└──── ├	·	
147			├ ──── ├		
148	Total Wholesale Market Charges		├ ──── ├		
149			├ ──── ├		
150					
151 Purchased	d Power	IPROTECTED DA		·	
152		[PROTECTED DA	IA BEGINS		
	dgeley PPA	<u> </u>			
	angdon PPA	L			
	shtabula III PPA	L			
	ribal (WAPA)	<u> </u>			Not Applicable to EAR - Excluded from Total
	/APA Energy Imbalance	<u> </u>			
	hared Loads	L			
	mall Co-gen	<u> </u>			
	ilateral purchases	<u> </u>			
	arket Purchases	Ļ ,			MISO and SPP Energy Only
	- · · - ·			DATA ENDS	
	Total Purchases	175,838	366,733		I ribai (VVAPA) excluded from Total
	ailment	(60)	(1,600)		
		(22.272)			
16/ Asset Bas	ed Sales	(28,676)	(7,101)		
168 Fu	uel Costs				Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total As
	sset Based Margins		i l		Based Sales
169 As					
169 As					
170	Int Reagents	-	-		Effective July 2022 - Docket No. E017/GR-20-719
170	ant Reagents				Effective July 2022 - Docket No. E017/GR-20-719
170 171 Steam Pla		-	-		
170 171 Steam Pla 172					Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
170 171 Steam Pla 172 173 173 Steam/Wa 174 174	ater Sales				Effective July 2022 - Docket No. E017/GR-20-719
170 171 Steam Pla 172 173 173 Steam/Wa 174 174			-		
161 M: 162 163 164 165 165 Wind Curt 166 167 Asset Bas	larket Purchases Total Purchases tailment sed Sales		PROTECTED 1 366,733 (1.600) (7,101)	DATA ENDS]	
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Г			January 2023	Forecast to Actual	- \$ per MWh	
Ī			January 2023	January 2023	T P P III III III	
Line	Plant Ge	eneration	Forecast [PROTECTED DA	Actual TA BEGINS		Notes
1		Big Stone	-			
2		Coyote		PROTECTED	DATA ENDSI	
4		Total Coal	\$ 26.94	\$ 22.56		
5		Langdon Wind	[PROTECTED DA	TA BEGINS		
7		Ashtabula Wind	-	_		
8		Ashtabula III Luverne Wind	-	-		
10		Merricourt	-	-		
12 13		Total Wind	s -	PROTECTED	DATA ENDS]	
14						
15 16		Total Hydro	\$ - [PROTECTED DA			
17		Jamestown 1	-			
18 19		Jamestown 2 Lake Preston	-			
20				PROTECTED	DATA ENDS]	
21 22		Total Oil - Peaking Units	Ş - [PROTECTED DA	\$ - TA BEGINS		
23		Natural gas - Solway	-			
24 25		Natural gas - Astoria		PROTECTED	DATA ENDSI	
26		Total Natural Gas		\$ 41.57		
27 28		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
29		Solar - Blue Heron	-			
30		Hoot Lake Solar		PROTECTED	DATA ENDS1	
31		Total Solar	\$-	0		
32 33		Total OTP-Owned	\$ 95.31	\$ 64.13		
34						
35 36	Wholesa	ile Market Charges MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42	555.24 555 21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43	500.21	DA Loss Amount	N/A	N/A		
44 45	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
46	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
47 48	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
49	555.01	DA Mkt Admin Amount	N/A	N/A		
50 51		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.03	DA FBT Congestion Amount	N/A	N/A		
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55		RT Congestion	N/A	N/A		
56 57		FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58	555.17	FTR Yearly Allocation Amount	N/A	N/A		
59 60	555.35	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
62 63		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65 66		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68 69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
74 75	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
76	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
77 78		DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80 81		RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
83 84	555.06 555 22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
85		RT Loss Rebate on COGA	N/A	N/A		
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		Total MISO Wholesale Market Charges				
89 90		SPP Wholesale Market Charges				
91	555.19	DA Asset Energy Amount***	N/A	N/A		
92 93	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
95 96		DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98 99	555.15	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
101 102	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	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	N/A		
105 106	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A	N/A N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A N/A	N/A		
108 109	555.10 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110 111	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
112	555.23	Miscellaneous Amount	N/A	N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
116 117	555.30	RT Schedule 1A4 Amount	N/A N/A	N/A N/A		New obstract time in 2022
118	555.32	DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022 New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120 121	555.35	RT Ramp Up Distribution Amount RT Ramp Down Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
						· · · · · · · · · · · · · · · · · · ·

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400	555.04		N1/A	N1/A		
122		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		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 Depicyment Pandre Charge Amount	N/A	N/A		
141		Short-Term Reserve Deployment Failure Charge Amount	N/A N/A	N/A N/A		
142		Net Regulation Adjustment Amount	N/A N/A	N/A N/A		
143		Total MISO ASM	IN/A	IN/A		
		I OTAI MISU ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
149	Purchas	sed Power				
150			IPROTECTED DA	TA 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 ENDS1	
161		Total Purchases	\$ 67.55			Tribal (WAPA) excluded from Total
162					İ	
163	Wind C	urtailment	\$ 39.22	\$ 33.54		
164						
165	Accot B	ased Sales	\$ 125.13	\$ 45.22		
105	ASSUL D	agan naisa	ψ 120.13	¥ +0.22		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
400		Fuel Costs	N/A	N/A		Based Sales
166		Fuel Costs	N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
407		A Decent Marchae				
167		Asset Based Margins	N/A	N/A		Based Sales
168						
169	Steam F	Plant Reagents	NA	NA		Effective July 2022 - Docket No. E017/GR-20-719
170						
171	Steam/	Vater Sales	NA	NA		Effective July 2022 - Docket No. E017/GR-20-719
172						
173	Plannin	g Resource Auction Revenues	N/A	N/A		Effective June 2022
174						
175	Total S	vstem - Plant Level	\$ 32.26	\$ 49.86		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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			F	0000 Farris 1	atual Francis	(Devenue)	
-			February 2023	2023 Forecast to A February 2023	ctual - Expense	(Revenue)	
Line	Plant G	eneration	Forecast IPROTECTED DA	Actual TA BEGINS			Notes
1		Big Stone	-			1	
2		Covote Hoot Lake #2	-				Hoot Lake plant closed in May 2021
4		Hoot Lake #3	-	· · · · · · · · · · · · · · · · · · ·			······································
5 6		Total Coal	\$ 6,990,827	\$ 2.841.230	PROTECT \$ (4,149,598)	ED DATA ENDS] -59.36%	
7			PROTECTED DA		• (1): 10)===)		
8		Langdon Wind Ashtabula Wind					
10		Luverne Wind					
11 12		Merricourt			PROTECT	ED DATA ENDS	
13		Total Wind	\$-	\$-	\$ -	0	
14 15		Total Hydro	s -	s -	s -	0	
16			PROTECTED DA	TA BEGINS			
17 18		Jamestown 1 Jamestown 2	-				
19		Lake Preston	-		PROTEOT	ED DATA ENDS]	
20 21		Total Oil - Peaking Units					
22 23		Natural gas - Solway	[PROTECTED DA	ra Begins			
24		Natural gas - Astoria	- 1			1	
25 26		Total Natural Gas	\$ 7,420,619	\$ 411 601	PROTECT \$ (7,009,018)	ED DATA ENDS] -94.45%	
27			PROTECTED DA	TA BEGINS	• (1,000,010)	04.40 %	
28 29		Solar - Blue Jay Solar - Blue Heron					
30		Solar - Blue Heron Solar - Hoot Lake		,,			
31 32		Total Solar	s .	s -	PROTECT	ED DATA ENDS] 0	
33							
34 35		Total OTP-Owned	\$ 14,411,446	\$ 3,252,842	\$ (11,158,605)	-77.43%	
36		ale Market Charges					
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	s -	s -	s -	n	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$-	\$-	\$-	0	
40 41					\$ - \$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (241,054)	\$ (270,448)	\$ (29,394)	12.19%	
43 44			\$ - \$ 634,580	\$ - \$ 351,671	\$ - \$ (282,909)	-44.58%	
45		RT Loss Amount	\$ 40,538	\$ 89,366	\$ 48,829	120.45%	
46 47			\$ - \$ -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$ -	\$-	\$ -	0	
49 50			\$ - \$ 77,224		\$ - \$ (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 53			\$ 1,885 \$ -		\$ (29) \$ -	-1.52%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion	\$ 471,869	\$ 1,925,546	\$ 1,453,677	308.07%	
55 56			\$ - \$ 38,560		\$ - \$ 453,127	0 1175.11%	
57	555.14	FTR Hourly Allocation Amount	\$ (799,380)	\$ (2,913,169)	\$ (2,113,789)	264.43%	
58 59			\$ (22,949) \$ -		\$ (50,087) \$ -	218.26%	
60	555.35	FTR Monthly Transaction Amount	\$-	\$-	\$-	0	
61 62			\$ (35,194) \$ 32,179			95.46% 113.77%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (936,249)	\$ (7,483,097)	\$ (6,546,848)	699.26%	
64 65			\$ 932,574 \$ 4,775		\$ 6,548,005 \$ 4,419	702.14% 92.54%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (45,139)			140.29%	
67 68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 28,726			-57.59%	
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (6,424)			-100.00%	
70 71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 61,051 \$ (53,831)	\$ -	\$ 53,831	-77.63% -100.00%	
72			\$ (36,614) \$ 110,172			-49.19% -87.01%	
73 74	555.25	RT Misc Amount	\$ 6,224	\$ (30,554)	\$ (36,778)	-590.89%	
75 76			\$ (2,816) \$ -		\$ (6,109) \$ -	216.92%	
77	555.59	RT Demand Response Allocation Uplift Amount	\$ 36,027	\$ 4,990	\$ (31,036)	-86.15%	
78 79	555.63	DA Ramp Product	\$ (2,147) \$ (415)			-82.81% -121.40%	
80	555.65	RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 59,540	\$ 52,273	719.34%	
81 82	555.55		\$ - \$ -		s - s -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83	555.05	DA Congestion Rebate on COGA	\$-	\$-	\$-	0	
84 85					s -	0	
86	555.23	RT Loss Rebate on COGA	\$-	\$ -	\$-	0	
87 88		Net Congestion and Losses Adjustment & No DA Generation Schedule	\$-	\$ 9,809	\$ 9,809	0	
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 91		SPP Wholesale Market Charges					
92	555.19	DA Asset Energy Amount***			s -		Energy Amounts - included/embedded within Market Purchases
93 94					\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$-	\$-	\$-	0	
96 97	555.02 555.10		\$ - \$ 183		\$ - \$ (181)	-99.04%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$-	\$-	0	
99 100			\$ 21 \$ 11	\$ 4 \$ 0	\$ (17) \$ (11)		
101	555.05	DA Regulation-Up Distribution Amount	\$ 23	\$ 1	\$ (22)	-97.59%	
102 103			\$ 24 \$ 3			-96.93% -93.40%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0)	s -	\$ 0	-100.00%	
105 106			\$ (49,285) \$ (0)			-66.21% -505.63%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-96.61%	
108 109	555.14 555.16		\$ (1) \$ (0)		\$ 0 \$ 0	-77.62%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	s -	\$ 0	-100.00%	
111			\$ (87,622) \$ (27,838)			-7.80% -62.18%	
112	555.23	Miscellaneous Amount	\$ (7)	\$-	\$ 7	-100.00%	
112 113	555.26		\$ - \$ (0)		\$ - \$ 0	-100.00%	
112							
112 113 114 115 116	555.28 555.29	RT Schedule 1A3 Amount	\$ 1				
112 113 114 115	555.28 555.29 555.30 555.31	RT Schedule 1A3 Amount RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	\$1 \$6	\$ 1	\$ (1) \$ (5) \$ -	-76.59%	
112 113 114 115 116 117	555.28 555.29 555.30 555.31 555.32	RT Schedule 1A3 Amount RT Schedule 1A4 Amount DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	\$ 1 \$ 6 \$ - \$ -	\$ 1 \$ - \$ -	\$ (5)	-76.59% 0 0	

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	EEE 24	RT Ramp Up Distribution Amount	\$		ŝ	-	s -		New charge type in 2022
121 122		RT Ramp Down Distribution Amount	ŝ		ŝ		\$ -		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$ \$	- 10		(1)			
123		DA GFA Carve Out Distribution Deployment Daily Amount	ş S	(0)		(0)			
124		DA GFA Carve Out Distribution Deployment Wohthly Amount	ŝ	- (0)	ŝ	- (0)	\$ 10	03.04 //	2
125	555.27	Total SPP Wholesale Market Charges		(164,472)		(107,963)		-34.36%	
120		Total of 1 Wholesale Market onarges	÷	(104,472)	Ψ.	(107,303)	\$ 50,505	-04.00/0	
127		MISO ASM			-				
120		Day Ahead Regulation Amount	s	(41,427)	ŝ	(17,783)	\$ 23.644	-57.07%	
129		Real Time Regulation Amount	ŝ	(17.825)		(774)		-95.66%	
131		Regulation Cost Distribution Amount	\$	26,631		21,286			
132		Day Ahead Short-Term Reserve Amount	ş S	(20,831)		(1,479)		-92.90%	
132		Real Time Short-Term Reserve Amount	\$ \$	980		152			
134		Short-Term Reserve Cost Distribution Amount	\$	9,069		1,601			
135		Day Ahead Spinning Reserve Amount	ŝ	(32,201)		(5,833)			
136		Real Time Spinning Reserve Amount	\$	3.772		1,835			
137		Spinning Reserve Cost Distribution Amount	\$	21,883		12,192			
138		Day Ahead Supplemental Reserve Amount	\$	(66,115)		(5,337)			
139		Real Time Supplemental Reserve Amount	\$	8,850		2,437			
140		Supplemental Reserve Cost Distribution Amount	φ \$	20.210		2,437			
140		Contingency Reserve Deployment Failure Charge Amount	э \$	20,210			\$ (17.732		
141		Real Time Excessive Deployment Pailule Charge Amount	\$	2.451		1.719			
142		Short-Term Reserve Deployment Failure Charge Amount	ŝ	2,401	ŝ		\$ -	-29.00/	
144		Net Regulation Adjustment Amount	\$	1,440		1.100		-23.57%	
145		Total MISO ASM		(83,088)		13,593			
146		Total Milos Asia	*	(00,000)	, w	10,000	\$ 30,001	-110.0070	
147		Total Wholesale Market Charges	•	(25,229)	¢	(538,418)	\$ (513,189	2034.12%	
148		Total Wholesale Market Onarges	*	(20,220)	, v	(000,410)	φ (010,100	2004.12/0	
149									
150	Purcha	sed Power							
151	i di ond		IPRO	TECTED DA		REGINS			
152		Edgeley PPA	Į						
153									
		Landon PPA	+						
		Langdon PPA Ashtabula III PPA	ļ						
154		Ashtabula III PPA							Not Applicable to EAP - Evoluted from Total
154 155		Ashtabula III PPA Tribal (WAPA)	-						Not Applicable to EAR - Excluded from Total
154 155 156		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	-						Not Applicable to EAR - Excluded from Total
154 155 156 157		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	-						Not Applicable to EAR - Excluded from Total
154 155 156 157 158		Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	-						Not Applicable to EAR - Excluded from Total
154 155 156 157 158 159		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases	-						
154 155 156 157 158 159 160		Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	-		1		PROTECT		Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
154 155 156 157 158 159 160 161		Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	-	6 122 185	\$	10 907 999		ED DATA ENDS) 78 17%	MISO and SPP Energy Only
154 155 156 157 158 159 160 161 162		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases	-	6,122,185	\$	10,907,999	PROTECT \$ 4,785,814		
154 155 156 157 158 159 160 161 161 162 163	Wind C	Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases					\$ 4,785,814	78.17%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
154 155 156 157 158 159 160 161 162 163 164	Wind C	Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	-	6,122,185 476		10,907,999 (20,819)	\$ 4,785,814	78.17%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
154 155 156 157 158 159 160 161 162 163 164		Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases turtailment	\$	476	\$	(20,819)	\$ 4,785,814 \$ (21,295	78.17%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
154 155 156 157 158 159 160 161 162 163 164 165		Astriabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Balaren purchases Market Purchases Total Purchases urtailment Jased Sales	\$ \$	476 (3,887,422)	\$ \$	(20,819)	\$ 4,785,814 \$ (21,295 \$ 3,676,772	78.17%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165 166 167		Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small C-ogen Bilateral purchases Market Purchases Total Purchases urtailment Jased Sales Fuel Costs	\$ \$ \$	476 (3,887,422) (1,665,289)	\$ \$ \$	(20,819) (210,650) (421,160)	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129	78.17%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168		Astriabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Balaren purchases Market Purchases Total Purchases urtailment Jased Sales	\$ \$	476 (3,887,422)	\$ \$ \$	(20,819) (210,650) (421,160)	\$ 4,785,814 \$ (21,295 \$ 3,676,772	78.17%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Asset E	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small C-ogen Bilateral purchases Market Purchases Untailment Sased Sales Foul Costs Asset Based Margins	\$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134)	\$ \$ \$	(20,819) (210,650) (421,160) 210,510	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643	78.17% -4477.95% -94.58% -74.71% -109.47%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Asset E	Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small C-ogen Bilateral purchases Market Purchases Total Purchases urtailment Jased Sales Fuel Costs	\$ \$ \$	476 (3,887,422) (1,665,289)	\$ \$ \$	(20,819) (210,650) (421,160)	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643	78.17% -4477.95% -94.58% -74.71% -109.47%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Asset E Hoot La	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment Jased Sales Fuel Costs Asset Based Margins Asset Based Margins Asset Gaser Generation Credit	\$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134)	\$ \$ \$ \$	(20,819) (210,650) (421,160) 210,510 (20,429)	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429	78.17% -4477.95% -94.58% -74.71% -109.47% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172	Asset E Hoot La	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small C-ogen Bilateral purchases Market Purchases Untailment Sased Sales Foul Costs Asset Based Margins	\$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134)	\$ \$ \$ \$	(20,819) (210,650) (421,160) 210,510	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429	78.17% -4477.95% -94.58% -74.71% -109.47% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 173	Asset E Hoot La Steam	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases urtailment aseed Sales Fuel Costs Asset Based Margins Asset Based Margins Plant Reagents	\$ \$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134) - 314,682	\$ \$ \$ \$ \$	(20,819) (210,650) (421,160) 210,510 (20,429) 111,737	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429 \$ (202,945	78.17% -4477.95% -94.58% -74.71% -109.47% 0 \$ (1)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Asset E Hoot La Steam	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment Jased Sales Fuel Costs Asset Based Margins Asset Based Margins Asset Gaser Generation Credit	\$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134)	\$ \$ \$ \$ \$	(20,819) (210,650) (421,160) 210,510 (20,429)	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429 \$ (202,945	78.17% -4477.95% -94.58% -74.71% -109.47% 0 \$ (1)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
154 155 156 157 158 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Asset E Hoot La Steam Steam/	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs Asset Based Margins ake Solar Generation Credit Plant Reagents Water Sales Water Sales	\$ \$ \$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134) - 314,682 (90,490)	\$ \$ \$ \$ \$ \$ \$	(20,819) (210,650) (421,160) 210,510 (20,429) 111,737 (67,672)	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429 \$ (202,945 \$ 22,818	78.17% -4477.95% -94.58% -74.71% -109.47% 0 \$ (1) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	Asset E Hoot La Steam Steam/	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases urtailment aseed Sales Fuel Costs Asset Based Margins Asset Based Margins Plant Reagents	\$ \$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134) - 314,682	\$ \$ \$ \$ \$ \$ \$	(20,819) (210,650) (421,160) 210,510 (20,429) 111,737	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429 \$ (202,945 \$ 22,818	78.17% -4477.95% -94.58% -74.71% -109.47% 0 \$ (1) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Asset E Hoot La Steam/ Steam/ Plannin	Astrabula III PPA Astrabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs Asset Based Margins ake Solar Generation Credit Plant Reagents Water Sales Water Sales	\$ \$ \$ \$ \$ \$	476 (3,887,422) (1,665,289) (2,222,134) - 314,682 (90,490)	\$ \$ \$ \$ \$ \$ \$ \$	(20.819) (210.650) (421.160) 210.510 (20.429) 111,737 (67,672) (739.380)	\$ 4,785,814 \$ (21,295 \$ 3,676,772 \$ 1,244,129 \$ 2,432,643 \$ (20,429 \$ (202,945 \$ 22,818	78.17% -4477.95% -34.58% -74.71% -109.47% 0 \$ (1) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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E			February 20	23 Forecast to Act	ual - MWH	
			February 2023 Forecast	February 2023 Actual		Notes
Line			[PROTECTED DA	TA BEGINS		NUE3
2		Big Stone Coyote				
3 4		Hoot Lake #2 Hoot Lake #3				Hoot Lake plant closed in May 2021
5				PROTECTED		
6 7		Total Coal	259,705 [PROTECTED DA	105,823 TA BEGINS		
8 9		Langdon Wind Ashtabula Wind	_			
10		Ashtabula III	_			
11 12		Luverne Wind Merricourt	_			
13 14		Total Wind and Solar	121,035	PROTECTED 85.963		
15						
16 17		Total Hydro	1,534 [PROTECTED DA	720 TA BEGINS		
18 19		Jamestown 1 Jamestown 2		-		
20		Lake Preston		-		
21 22		Total Oil - Peaking Units	-	PROTECTED	DATA ENDS	
23 24		Natural gas - Solway	[PROTECTED DA	TA BEGINS		
25		Natural gas - Astoria		PROTECTER		
26 27		Total Natural Gas	111,631	PROTECTED 12,567	DATAENDSJ	
28 29		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
30 31		Solar - Blue Heron Solor - Hoot Lake	-			
32				PROTECTED	DATA ENDS]	
33 34		Total Solar	-	252		
35		Total OTP-Owned	493,905	205,325		
36 37	Wholes	ale Market Charges				
38 39		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
42	555.19	RT Asset Energy Amount***	N/A	N/A		
43 44	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
45 46		RT Loss Amount	N/A N/A	N/A N/A		
47	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
48 49	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
50 51	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55 56		DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
57		RT Congestion	N/A	N/A		
58 59	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
60 61	555.17	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
62	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
63 64	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
65 66	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
67	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68 69	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
70	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
72	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73 74	555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
75 76		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
77	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
78 79	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
80 81	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
82 83	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
84	555.05	DA Congestion Rebate on COGA	N/A	N/A		
85 86	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
87 88	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A		
89			19/4	14/74		
90 91		Total MISO Wholesale Market Charges				
92 93	555 19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
94	555.03	DA Non-asset Energy Amount	N/A	N/A		
95 96	555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
97 98	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100 101	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
102 103	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105 106	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
107 108	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
109	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
110 111	555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
112 113	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
114	555.23	Miscellaneous Amount	N/A	N/A		
115 116	555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
117 118	555.29	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	N/A N/A	N/A N/A		
119	555.31	DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120 121	555.33	DA Ramp Down Distribution Amount RT Ramp Non Performance Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022

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122	555.04	RT Ramp Up Distribution Amount	N/A	N/A	1	New charge type in 2022
122		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
123		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		New charge type in 2022
124		DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
125		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A		
127		Total SPP wholesale market charges				
120		MISO ASM				
			N1/A			
130 131		Day Ahead Regulation Amount Real Time Regulation Amount	N/A N/A	N/A N/A		
131			N/A	N/A N/A		
132		Regulation Cost Distribution Amount	N/A	N/A N/A		
133		Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount	N/A	N/A N/A		
134		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
135		Day Ahead Spinning Reserve Amount	N/A	N/A		
130		Real Time Spinning Reserve Amount	N/A	N/A		
137		Spinning Reserve Cost Distribution Amount	N/A	N/A		
138		Day Ahead Supplemental Reserve Amount	N/A	N/A N/A		
139		Real Time Supplemental Reserve Amount	N/A N/A	N/A N/A		
140		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A N/A		
142 143		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A N/A	N/A N/A		
143		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
144		Net Regulation Adjustment Amount	N/A	N/A		
145		Total MISO ASM	IN/A	IN/A		
140		TOTAL MISO ASM				
147		Total Wholesale Market Charges				
140		Total Wholesale Market Charges				
149						
	Purchas	and Power				
151	Purchas	sed Power				
151 152			[PROTECTED DA	TA BEGINS		
151 152 153		Edgeley PPA	[PROTECTED DA	TA BEGINS		
151 152 153 154		Edgeley PPA Langdon PPA	[PROTECTED DA	TA BEGINS		
151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DA	TA BEGINS		Net Analicable to E&P Evoluted from Total
151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PROTECTED DA	TA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED D/ 	ATA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158 159		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED D/ 	ATA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158 159 160		Edgelev PPA Langdon PPA Ashtabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DA 	ITA BEGINS		
151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED D#			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 161 162 163		Edgelev PPA Langdon PPA Ashtabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DA		DATA ENDS]	
151 152 153 154 155 156 157 158 159 160 161 162 163 164		Edgelev PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	89,682	PROTECTED 334,229	DATA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165		Edgelev PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 157 158 159 160 161 162 163 165 165 165	Wind Ct	Edgelev PPA Langdon PPA Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smatl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	89,682 12	PROTECTED 334,229 (630)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Ct	Edgelev PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	89,682	PROTECTED 334,229	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Ct Asset B	Edgeley PPA Langdon PPA Ashtabida III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases trialiment ased Sales	89,682 12	PROTECTED 334,229 (630)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 165 165 166	Wind Ct Asset B	Edgelev PPA Langdon PPA Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smatl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	89,682 12	PROTECTED 334,229 (630)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Ct Asset B	Edgeley PPA Langdon PPA Achtabda III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs	89,682 12	PROTECTED 334,229 (630)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Ct Asset B	Edgeley PPA Langdon PPA Ashtabida III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases trialiment ased Sales	89,682 12	PROTECTED 334,229 (630)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cr Asset B	Edgelev PPA Langdon PPA AAbabda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	89,682 12 (42,909)	PROTECTED 334,229 (630) (17,385)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 169 170 171	Wind Cr Asset B	Edgeley PPA Langdon PPA Achtabda III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs	89,682 12	PROTECTED 334,229 (630)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172	Wind C Asset B Steam F	Edgeley PPA Langdon PPA AAbabda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins Plant Reagents	89,682 12 (42,909)	PROTECTED 334,229 (630) (17,385)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Wind C Asset B Steam F	Edgelev PPA Langdon PPA AAbabda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	89,682 12 (42,909)	PROTECTED 334,229 (630) (17,385)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 166 165 166 167 168 169 170 171 172 173 174	Wind Co Asset B Steam F	Edgeley PPA Langdon PPA Langdon PPA Ashabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	89,682 12 (42,909)	PROTECTED 334,229 (630) (17,385)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind Co Asset B Steam F	Edgeley PPA Langdon PPA AAbabda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins Plant Reagents	89,682 12 (42,909)	PROTECTED 334,229 (630) (17,385)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 166 165 166 167 168 169 170 171 172 173 174	Wind Ci Asset B Steam / Steam/ Plannin	Edgeley PPA Langdon PPA Langdon PPA Ashabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	89,682 12 (42,909)	PROTECTED 334,229 (630) (17,385)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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Ē			February 2023	Forecast to Actual	- \$ per MWb	
			February 2023	February 2023	• por intern	
Line	Diamt C		Forecast	Actual		Notes
Line 1		Big Stone	[PROTECTED DA	A DEGINS		
2		Coyote	-			
3 4		Total Coal	\$ 26.92	PROTECTED \$ 26.85		
5			[PROTECTED DA	TA BEGINS		
6		Langdon Wind	-			
7 8		Ashtabula Wind Ashtabula III	-			
9		Luverne Wind	_			
10		Merricourt	_			
11 12		Hoot Lake Solar		PROTECTED	DATA ENDSI	
13		Total Wind	\$-	\$.		
14 15		Total Hydro	¢	s -		
16		Total Hydro	PROTECTED DA			
17		Jamestown 1	_			
18 19		Jamestown 2 Lake Preston	-			
20				PROTECTED	DATA ENDS]	
21		Total Oil - Peaking Units	\$ - [PROTECTED DA	\$ -		
22 23		Natural gas - Solway	IPROTECTED DA	TA BEGINS		
24		Natural gas - Astoria				
25 26		Total Natural Gas	\$ 66.47	PROTECTED \$ 32.75		
27			[PROTECTED DA	TA BEGINS		
28 29		Solar - Blue Jay Solar - Blue Heron	-			
30				PROTECTED	DATA ENDS1	
31		Total Solar	\$-	0		
32 33	μ]	Total OTP-Owned	\$ 93.39	\$ 59.60		
33			+ 30.09	÷ 09.60		
35	Wholesa	ale Market Charges				
36 37	555 02	MISO Wholesale Market Charges 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 41		RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
42	555.21	RT FBT Loss Amount	N/A	N/A		
43 44		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
44 45	555.26	RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
46	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
47 48	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
49		DA Mkt Admin Amount	N/A	N/A		
50		RT Mkt Admin Amount	N/A	N/A		
51 52		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54		RT FBT Congestion Amount	N/A	N/A N/A		
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58 59		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	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 63	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65		FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66 67		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69		RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70 71	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
73 74		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
75	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
76 77	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
77		DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80 81		RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	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 85		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	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		<u> </u>		
88		Total midd wholesale market charges				
90		SPP Wholesale Market Charges				
91 92		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	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 96	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	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 N/A		
99 100		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
102 103	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
104		RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
106 107	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	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	N/A N/A		
110 111	555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
112	555.23	Miscellaneous Amount	N/A	N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
116	555.30	RT Schedule 1A4 Amount	N/A	N/A		New Joseph 2000
117 118		DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120 121	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
	555.35	RT Ramp Down Distribution Amount	N/A	N/A	1	New charge type in 2022

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400	555.04		N1/A	N1/A	1	1
122		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		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		
140		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A N/A	N/A		
			N/A N/A	N/A N/A		
142		Short-Term Reserve Deployment Failure Charge Amount				
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
149	Purchas	sed Power				
150			[PROTECTED DA	TA BEGINS		
151		Edgeley PPA				
152		Langdon PPA				
152 153		Langdon PPA Ashtabula III PPA	_			
			-			Not Applicable to EAR - Excluded from Total
153		Ashtabula III PPA	-			Not Applicable to EAR - Excluded from Total
153 154 155		Ashabula III PPA Tribal (WAPA) WAPA Energy Imbalance	- - - -	-		Not Applicable to EAR - Excluded from Total
153 154 155 156		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	- - - -	-		Not Applicable to EAR - Excluded from Total
153 154 155 156 157		Ashabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		-		Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases	- - - - - -	-		
153 154 155 156 157 158 159		Ashabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		PROTECTED		Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
153 154 155 156 157 158 159 160		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases	\$ 68.27		DATA ENDS]	
153 154 155 156 157 158 159 160 161 162		Ashtabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		\$ 32.64	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163		Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases	\$ 68.27 \$ 39.22	\$ 32.64	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163 164	Wind Cu	Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 39.22	\$ 32.64 \$ 33.05	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163	Wind Cu	Ashtabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		\$ 32.64 \$ 33.05	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164	Wind Cu Asset B	Ashabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases artailment ased Sales	\$ 39.22 \$ 90.60	\$ 32.64 \$ 33.05 \$ 12.12	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164	Wind Cu Asset B	Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 39.22	\$ 32.64 \$ 33.05	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cu Asset B	Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs	\$ 39.22 \$ 90.60 N/A	\$ 32.64 \$ 33.05 \$ 12.12 N/A	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Cu Asset B	Ashabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases artailment ased Sales	\$ 39.22 \$ 90.60	\$ 32.64 \$ 33.05 \$ 12.12	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Co Asset B	Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	\$ 39.22 \$ 90.60 N/A N/A	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Co Asset B	Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs	\$ 39.22 \$ 90.60 N/A	\$ 32.64 \$ 33.05 \$ 12.12 N/A	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Co Asset B	Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	\$ 39.22 \$ 90.60 N/A N/A	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Cu Asset B Steam F	Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	\$ 39.22 \$ 90.60 N/A N/A	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cu Asset B Steam F	Ashabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents	\$ 39.22 \$ 90.60 N/A N/A NA	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A NA	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind Co Asset B Steam F Steam/	Ashabula III PPA Tibal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Purchases Market Purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	\$ 39.22 \$ 90.60 N/A N/A NA	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A NA NA	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Wind Co Asset B Steam F Steam/	Ashabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents	\$ 39.22 \$ 90.60 N/A N/A NA	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A NA	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172	Wind Co Asset B Steam F Steam/ Plannin	Ashabula III PPA Tibal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Purchases Market Purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	\$ 39.22 \$ 90.60 N/A N/A NA	\$ 32.64 \$ 33.05 \$ 12.12 N/A N/A NA	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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⊢			March 20 March 2023	23 Forecast to Act March 2023	ual - Expense	(Revenue)	
Line	Plant C	eneration	Forecast [PROTECTED DA	Actual			Notes
1	mant G	Big Stone	-	A DEGINS	I	I	
2 3		Coyote Hoot Lake #2	-				Hoot Lake plant closed in May 2021
4 5		Hoot Lake #3	i			ED DATA ENDS]	
6 7		Total Coal	\$ 6,420,714 [PROTECTED DAT		\$ (2,001,731)	-31.18%	
8		Langdon Wind Ashtabula Wind				1	
10		Luverne Wind					
11 12		Merricourt			PROTECT	ED DATA ENDS	
13 14		Total Wind	\$ -	\$-	ş -	0	
15 16			\$ -	\$ -	ş -	0	
17		Jamestown 1	-	A DEGING			
18 19		Jamestown 2 Lake Preston	-		1		
20 21		Total Oil - Peaking Units		\$ 8,360		ED DATA ENDS] 0	
22 23		Natural gas - Solway	[PROTECTED DAT	FA BEGINS			
24		Natural gas - Astoria			PROTECT	ED DATA ENDS	
25 26		Total Natural Gas		\$ 592,980			
27 28		Solar - Blue Jay	[PROTECTED DAT	A BEGINS			
29 30		Solar - Blue Heron Solar - Hoot Lake					
31 32		Total Solar	s -	s -	PROTECT	ED DATA ENDS] 0	
33 34		Total OTP-Owned			\$ (2,055,077)	-29.05%	
35					¢ (∠,055,077)	-29.05%	
36 37		ale Market Charges MISO Wholesale Market Charges					
38 39		DA Asset Energy Amount***		\$- \$-	\$ - \$ -	0	
40 41	555.09	DA Non-asset Energy Amount***	\$ -	\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (235,471)		\$ (49,667)	21.09%	
43 44	555.21	DA Loss Amount	\$ - \$ 619,883			0	
45 46	555.26	RT Non-Asset Energy Amount***	\$ 39,599 \$ -		\$ 80,734 \$ -	203.88%	Energy Amounts - included/embedded within Market Purchases
47 48	555.08	DA Losses Rebate on Option B GFA	\$ -	\$-	\$ - \$ -	0	
49	555.32	RT Virtual Energy Amount		\$-	\$-	0	
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 53	555.03	DA FBT Congestion Amount		\$ -	\$ -	0	
54 55	555.20	RT FBT Congestion Amount	\$ 460,940 \$ -	\$ -	\$ 2,459,421 \$ -	533.57% 0	
56 57		RT Congestion	\$ 37,667 \$ (780,866)	\$ 98,843		162.41% 435.82%	
58 59	555.15	FTR Monthly Allocation Amount	\$ (22,417)	\$ (200,554)	\$ (178,137)	794.65%	
60	555.35	FTR Monthly Transaction Amount	\$ -		\$ - \$ -	0	
61 62	555.37	FTR Guarantee Uplift Amount	\$ 34,884 \$ (33,924)	\$ 151,199	\$ (186,084) \$ 185,124	-533.43% -545.70%	
63 64			\$ (1,004,967) \$ 1,003,431		\$ (5,226,001) \$ 5,212,923	520.02% 519.51%	
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 8,657 \$ (38,241)	\$ 31,407	\$ 22,750	262.81% 202.12%	
67	555.07	DA Congestion Rebate on Option B GFA	\$ (0)	\$ -	\$ 0	-100.00%	
68 69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 13,922 \$ (2,947)	\$ (10,745)	\$ (7,798)	15.07% 264.66%	
70 71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 61,051 \$ (53,831)	\$-	\$ 53,831	-83.39% -100.00%	
72 73	555.42	RT Price Volatility Make Whole Payment	\$ (36,614) \$ 110,172	\$ (14,625)	\$ 21,989	-60.06% 170.67%	
74 75	555.25	RT Misc Amount	\$ 6,224	\$ (473)	\$ (6,697)	-107.60% -94.01%	
76	555.31	RT Uninstructed Deviation Amount	\$ -	\$-	\$ -	0	
77 78	555.63	DA Ramp Product	\$ 16,770 \$ (4,145)	\$ (1,099)	\$ 3,047	-100.32% -73.49%	
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (879) \$ 7,267	\$ 218 \$ 28,120	\$ 1,097 \$ 20,853	-124.78% 286.96%	
81 82	555.55	RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84 85	555.22	RT Congestion Rebate on COGA	\$ -	\$ - \$ -	\$ - \$ -	0	
86 87	555.23			\$- \$75,948	\$- \$75,948	0	
88 89		Total MISO Wholesale Market Charges			\$ (859,895)		Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91	-	SPP Wholesale Market Charges					
92		DA Asset Energy Amount***	\$ -	*		0	Energy Amounts - included/embedded within Market Purchases
93 94	555.09	RT Asset Energy Amount***	\$-	\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
95 96	555.02	DA Make-Whole-Payment Distribution Amount	\$ - \$ -	\$ -	\$ - \$ -	0	
97 98	555.10	RT Make-Whole-Payment Distribution Amount	\$ 183 \$ -	\$ 0			
99 100	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 21 \$ 11	\$ 3	\$ (18)	-86.35%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 23	\$ 0	\$ (22)	-98.60%	
102 103	555.07	DA Supplemental Reserve Distribution Amount	\$ 24 \$ 3	\$ 0	\$ (3)	-98.90%	
104 105	555.08 555.11		\$ (0) \$ (48,144)	\$ - \$ (17,669)	\$ 0 \$ 30,475	-100.00% -63.30%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (0) \$ (0)	\$ (0)	\$ (0) \$ 0	576.06%	
08	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1	-87.95%	
109 110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0) \$ (0)	\$-	\$ 0	-97.51% -100.00%	
111 112	555.20	RT Pseudo Tie Congestion Amount	\$ (85,593) \$ (27,193)	\$ 250,219 \$ 14,080	\$ 335,812 \$ 41,273	-392.34% -151.78%	
113 114	555.23	Miscellaneous Amount	\$ (7)	\$ (1)	\$6 \$-	-85.39%	
115	555.28	RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
116 117	555.30	RT Schedule 1A4 Amount	\$ 1 \$ 6	\$ 0	\$ (6)	-95.59%	
118	555.31		\$ - \$ -		\$ - \$ -	0	New charge type in 2022 New charge type in 2022 New charge type in 2022
119	555.32						

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121	555.24	RT Ramp Up Distribution Amount	¢	-	\$	-	\$	-	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$ \$		\$		\$			New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	۵ ۲	- 10		- (0)		- (11)	-102.86%	New charge type in 2022
			э \$		\$				-102.00%	
124		DA GFA Carve Out Distribution Deployment Monthly Amount					\$		0	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$		\$	-		
126		Total SPP Wholesale Market Charges	\$	(160,656)	\$	246,633	\$ 40	07,289	-253.52%	
127										
128		MISO ASM								
129		Day Ahead Regulation Amount	\$	(50,733)		(40,731)		0,002	-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)	\$ 1	7,957	-86.21%	
133		Real Time Short-Term Reserve Amount	\$	980	\$	(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)	\$ 2	2,294	-62.82%	
136		Real Time Spinning Reserve Amount	\$	8.336	\$	(3.393)	\$ (*	1.729)	-140.71%	
137		Spinning Reserve Cost Distribution Amount	\$	19.248	\$	14.016	\$	(5,232)	-27.18%	
138		Day Ahead Supplemental Reserve Amount	Š	(13,571)		(2,745)		0,826	-79.77%	
139		Real Time Supplemental Reserve Amount	ŝ	3,487		1,787		(1,700)	-48.76%	
140		Supplemental Reserve Cost Distribution Amount	\$	2,101		1,791		(309)	-14.73%	
140		Contingency Reserve Deployment Failure Charge Amount	ŝ	2,101			\$	(24)	-100.00%	
142		Real Time Excessive Deployment Parage Amount	ŝ	2,451		6.940		4.489	183.13%	
142		Short-Term Reserve Deployment Failure Charge Amount	э \$	2,401	\$		\$	-,409	103.13%	
143		Net Regulation Adjustment Amount	\$	1.440		(513)		(1.953)	-135.65%	
144		Total MISO ASM						(1,953) 80,470	-135.65%	
		TOTAL MISO ASM	ş	(52,446)) Þ	(21,976)	\$.	50,470	-50.10%	
146		T to DWhite the Mind of Alexandre		(0 75 4)		(101.004)		0 400	40.07.000/	
147		Total Wholesale Market Charges	\$	(9,754)	1 3	(431,891)	\$ (4)	2,136)	4327.62%	
148					_					
149					_					
150	Purchas	sed Power								
					_					
151			[PRO	TECTED DA	λΤΑ Ι	BEGINS				
151 152		Edgeley PPA	[PRO	TECTED DA	ATA I	BEGINS				
151 152 153		Edgeley PPA Langdon PPA	[PRO	TECTED DA	ATA I	BEGINS				
151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PRO	TECTED DA	TAI	BEGINS				
151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PRO	DTECTED DA	TAI	BEGINS				Not Applicable to EAR - Excluded from Total
151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PRO	DTECTED DA	ŢA I	BEGINS				Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PRO	DTECTED DA	TAI	BEGINS				Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance	[PRO - - - -	DTECTED DA	TAI	BEGINS				Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157		Edgelev PPA Lanodon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	[PRO	DTECTED DA		BEGINS				Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co.gen	[PRO	DTECTED DA		BEGINS				Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158 159		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	[PRO	DIECTED DA		BEGINS	PR	DTECT	ED DATA ENDS]	
151 152 153 154 155 156 157 158 159 160		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	- - - - -	8.073,487	1	BEGINS				
151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	- - - - -		1					MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Lanadon PPA Ashtabula III PPA Trotal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	-	8,073,487	\$	7,959,176	\$ (1'	4,312)	-1.42%	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	- - - - -		\$		\$ (1'			MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind C	Edgelev PPA Langdon PPA Achiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases trailment	\$	8,073,487 (750)	\$	7,959,176	\$ (1 [,] \$ (4,312) 51,031	-1.42% -8138.75%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind C Asset B	Edgelev PPA Langdon PPA Ashtabuka III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	\$	8,073,487 (750) (173,827)	\$	7,959,176 60,282 (1,044,363)	\$ (1 ⁻ \$ (8) \$ (8)	4,312) 51,031 70,536)	-1.42% -8138.75% 500.81%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 157 158 159 160 161 162 163 164 166 167	Wind C Asset B	Edgelev PPA Langdon PPA Ashabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	\$ \$ \$	8,073,487 (750) (173,827) (93,278)	\$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,798)	\$ (1 ⁻ \$ (8 \$ (87 \$ (76	14,312) 51,031 70,536) 56,519)	-1.42% -8138.75% 500.81% 821.76%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 167 168	Wind C Asset B	Edgelev PPA Langdon PPA Ashtabuka III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	\$	8,073,487 (750) (173,827)	\$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363)	\$ (1 ⁻ \$ (8 \$ (87 \$ (76	14,312) 51,031 70,536) 56,519)	-1.42% -8138.75% 500.81%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind C Asset B	Edgelev PPA Langdon PPA Achabula II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Biataral purchases Market Purchases Market Purchases Total Purchases Intailment ased Sales Fuel Costs Asset Based Margins	\$ \$ \$ \$ \$	8,073,487 (750) (173,827) (93,278) (80,549)	\$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,798) (184,566)	\$ (11 \$ (87 \$ (76 \$ (10	14,312) 51,031 70,536) 56,519) 54,017)	-1.42% -8138.75% 500.81% 821.76% 129.13%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind C Asset B	Edgelev PPA Langdon PPA Ashabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	\$ \$ \$	8,073,487 (750) (173,827) (93,278)	\$ \$ \$ \$ \$	7,959,176 60.282 (1,044,363) (859,798) (184,566)	\$ (11 \$ (87 \$ (76 \$ (10	14,312) 51,031 70,536) 56,519)	-1.42% -8138.75% 500.81% 821.76% 129.13%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Real Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit	\$ \$ \$ \$ \$ \$	8,073,487 (750) (173,827) (93,278) (80,549)	\$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,738) (184,566) 9,914	\$ (1 ⁴ \$ (8 \$ (76 \$ (10 \$	14,312) 51,031 70,536) 56,519) 04,017) 9,914	-1.42% -8138.75% 500.81% 821.76% 129.13% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Achabula II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Biataral purchases Market Purchases Market Purchases Total Purchases Intailment ased Sales Fuel Costs Asset Based Margins	\$ \$ \$ \$ \$	8,073,487 (750) (173,827) (93,278) (80,549)	\$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,798) (184,566)	\$ (1 ⁴ \$ (8 \$ (76 \$ (10 \$	14,312) 51,031 70,536) 56,519) 54,017)	-1.42% -8138.75% 500.81% 821.76% 129.13% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 170 171 172	Wind C Asset B Hoot La Steam I	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smard Loads Smard Loads Smard Loads Market Purchases Market Purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents	\$ \$ \$ \$ \$ \$ \$ \$ \$	8,073,487 (750) (173,827) (93,278) (80,549) - 285,065	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,786) (184,566) 9,914 219,730	\$ (1' \$ (8' \$ (8' \$ (76 \$ (10) \$	(4,312) (51,031 (70,536) (56,519) (4,017) (9,914 (55,335)	-1.42% -8138.75% 500.81% 821.76% 129.13% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind C Asset B Hoot La Steam I	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Real Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit	\$ \$ \$ \$ \$ \$	8,073,487 (750) (173,827) (93,278) (80,549)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,738) (184,566) 9,914	\$ (1' \$ (8' \$ (8' \$ (76 \$ (10) \$	14,312) 51,031 70,536) 56,519) 04,017) 9,914	-1.42% -8138.75% 500.81% 821.76% 129.13% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Fuel Costs Ke Solar Generation Credit Plant Reagents Water Sales	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,073,487 (750) (1733,827) (80,549) - 285,065 (67,693)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,798) (184,566) 9,914 219,730 (82,927)	\$ (1 \$ (8 \$ (76 \$ (10 \$ (10 \$ (10 \$ (10) \$ (10)	(4,312) (51,031 (70,536) (56,519) (4,017) (9,914 (55,335)	-1.42% -8138.75% 500.81% 821.76% 129.13% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smard Loads Smard Loads Smard Loads Market Purchases Market Purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents	\$ \$ \$ \$ \$ \$ \$ \$ \$	8,073,487 (750) (173,827) (93,278) (80,549) - 285,065	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,786) (184,566) 9,914 219,730	\$ (1 \$ (8 \$ (76 \$ (10 \$ (10 \$ (10 \$ (10) \$ (10)	(4,312) (51,031 (70,536) (56,519) (4,017) (9,914 (55,335)	-1.42% -8138.75% 500.81% 821.76% 129.13% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Fuel Costs Ke Solar Generation Credit Plant Reagents Water Sales	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,073,487 (750) (173,827) (33,278) (80,549) - 285,065 (67,693) (778,000)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,788) (184,566) 9,914 219,730 (82,927) (792,069)	\$ (1' \$ (0 \$ (8: \$ (76 \$ (10) \$ (10) \$ (10) \$ (10) \$ (10) \$ (10) \$ (1) \$ (1	(4,312) (1,031) (0,536) (6,519) (4,017) (9,914) (5,335) (5,234) -	-1.42% -8138.75% 500.81% 821.76% 129.13% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 170 171 172 173 174 175 176	Wind C Asset B Hoot La Steam/r Plannin	Edgelev PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Fuel Costs Ke Solar Generation Credit Plant Reagents Water Sales	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8,073,487 (750) (1733,827) (80,549) - 285,065 (67,693)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,959,176 60,282 (1,044,363) (859,798) (184,566) 9,914 219,730 (82,927)	\$ (1' \$ (0 \$ (8: \$ (76 \$ (10) \$ (10) \$ (10) \$ (10) \$ (10) \$ (10) \$ (1) \$ (1	(4,312) (1,031) (0,536) (6,519) (4,017) (9,914) (5,335) (5,234) -	-1.42% -8138.75% 500.81% 821.76% 129.13% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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E			March 202	3 Forecast to Actu	al - MWH	
			March 2023 Forecast	March 2023 Actual		Notes
Line 1		Big Stone	[PROTECTED DA	TA BEGINS		
2		Coyote	_			Hard all a bard days 1's Mar 2004
3 4		Hoot Lake #2 Hoot Lake #3	_			Hoot Lake plant closed in May 2021
5		Total Coal	229,987	PROTECTED 163,666		
7			[PROTECTED DA			
9		Langdon Wind Ashtabula Wind	_			
10 11		Ashtabula III Luverne Wind	_			
12 13		Merricourt		PROTECTED	DATA ENDSI	
14		Total Wind and Solar	111,173	96,340		
15 16		Total Hydro	1,699	585		
17 18		Jamestown 1	[PROTECTED DA	TA BEGINS		
19		Jamestown 2	_			
20 21		Lake Preston		PROTECTED	DATA ENDS]	
22 23		Total Oil - Peaking Units	- [PROTECTED DA	- TA BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	_			
26 27		Total Natural Gas	12,754	PROTECTED		
28			[PROTECTED DA	20,292 TA BEGINS		
29 30		Solar - Blue Jay Solar - Blue Heron	_			
31 32		Solor - Hoot Lake	-	PROTECTED		
33		Total Solar	-	372	2010 2000	
34 35		Total OTP-Owned	355,613	281,255		
36 37	Wholes	ale Market Charges				
38		MISO Wholesale Market Charges	N/A	N/A		
39 40	555.04	DA Asset Energy Amount*** DA FBT Loss Amount DA NUMERAL AND	N/A	N/A		
41 42	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
43 44	555.24	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
45		DA Loss Amount	N/A	N/A		
46 47	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
48 49		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
50 51	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54	555.13 555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55 56		DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
57		RT Congestion	N/A	N/A		
58 59	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
60 61	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
62	555.36	FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
63 64	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65 66	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
67 68		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
69 70	555.1	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72 73	555.3 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
74	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
76 77	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
78	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
79 80	555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
81 82	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	-	
83	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
84 85	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
86 87		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
88 89		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
90		Total MISO Wholesale Market Charges				
91 92		SPP Wholesale Market Charges				
93 94	555.19	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
95 96	555.09	RT Asset Energy Amount***	N/A	N/A		
97	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98 99	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
100	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
103 104	555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
105 106	555.08	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
107	555.12	RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
108 109	555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A	N/A		
110 111	555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
112 113	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
114	555.23	Miscellaneous Amount	N/A N/A	N/A N/A		
116	555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A	N/A		
117 118	555.30	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	N/A N/A	N/A N/A		
119 120	555.31	DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
121	-	RT Ramp Non Performance Distribution Amount	N/A	N/A	1	New charge type in 2022

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122	EEE 04	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
122		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
123		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		New charge type in 2022
124		DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
125		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A		
127		Total SPP wholesale market charges				
120		MISO ASM				
			N1/A			
130 131		Day Ahead Regulation Amount Real Time Regulation Amount	N/A N/A	N/A N/A		
131			N/A	N/A N/A		
132		Regulation Cost Distribution Amount Day Ahead Short-Term Reserve Amount	N/A	N/A N/A		
133		Real Time Short-Term Reserve Amount	N/A	N/A N/A		
134		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
135		Day Ahead Spinning Reserve Amount	N/A	N/A N/A		
130		Real Time Spinning Reserve Amount	N/A	N/A		
137		Spinning Reserve Cost Distribution Amount	N/A	N/A N/A		
138		Day Ahead Supplemental Reserve Amount	N/A	N/A N/A		
139		Real Time Supplemental Reserve Amount	N/A N/A	N/A N/A		
		Supplemental Reserve Cost Distribution Amount	N/A N/A	N/A N/A		
141		Contingency Reserve Deployment Failure Charge Amount	N/A N/A	N/A N/A		
142		Real Time Excessive Deficient Energy Deployment Charge Amount		N/A N/A		
143		Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount	N/A N/A	N/A N/A		
144 145		Net Regulation Adjustment Amount	N/A	N/A N/A	l	
145		Total MISO ASM	IN/A	IN/A		
140		Total MISO ASM				
147		Total Wholesale Market Charges				
140		Total wholesale market charges				
149						
	Burchar	and Bower				
151	Purchas	sed Power	IRPOTECTED D/			
151 152			[PROTECTED DA	TA BEGINS		
151 152 153		Edgeley PPA	[PROTECTED DA	ATA BEGINS		
151 152 153 154		Edgeley PPA Langdon PPA	[PROTECTED DA	TA BEGINS		
151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DA	ATA BEGINS		Net Analisable to EAD. Surpluded from Total
151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PROTECTED DA	TA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DA	ATA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158 159		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158 159 160		Edgelev PPA Langdon PPA Ashtabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED D/	ATA BEGINS		
151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DA			Not Applicable to EAR - Excluded from Total MiSO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Langdon PPA Ashtabuka III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DA		DATA ENDS]	
151 152 153 154 155 156 157 158 159 160 161 162 163 164		Edgelev PPA Langdon PPA Ashtabula II PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		PROTECTED 295,178	DATA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165		Edgelev PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 157 158 159 160 161 162 163 165 165 165	Wind Ct	Edgelev PPA Langdon PPA Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smatl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases		PROTECTED 295,178 1.537	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Ct	Edgelev PPA Langdon PPA Ashtabula II PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		PROTECTED 295,178	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Ct Asset B	Edgeley PPA Langdon PPA Achtabida III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smard Loads Smard Loads Biateral purchases Market Purchases Total Purchases trailment ased Sales		PROTECTED 295,178 1.537	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 157 158 159 160 161 162 163 165 165 165	Wind Ct Asset B	Edgelev PPA Langdon PPA Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smatl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases		PROTECTED 295,178 1.537	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Ct Asset B	Edgeley PPA Langdon PPA Achtabda III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs		PROTECTED 295,178 1.537	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Ct Asset B	Edgeley PPA Langdon PPA Achtabida III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smard Loads Smard Loads Biateral purchases Market Purchases Total Purchases trailment ased Sales		PROTECTED 295,178 1.537	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Ci Asset B	Edgeley PPA Langdon PPA Achtabda III PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins	175,449 (19) (3,200)	PROTECTED 295,178 1.537 (36,150)	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind Ci Asset B	Edgeley PPA Langdon PPA Achtabda III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs		PROTECTED 295,178 1.537	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172	Wind C Asset B Steam F	Edgeley PPA Langdon PPA AAbabda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins Plant Reagents	175,449 (19) (3,200)	PROTECTED 295,178 1,537 (36,150)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Wind C Asset B Steam F	Edgeley PPA Langdon PPA Achtabda III PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins	175,449 (19) (3,200)	PROTECTED 295,178 1.537 (36,150)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind C Asset B Steam F	Edgeley PPA Langdon PPA Langdon PPA Ashabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	175,449 (19) (3,200)	PROTECTED 295,178 1.537 (36,150)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind C Asset B Steam F	Edgeley PPA Langdon PPA AAbabda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins Plant Reagents	175,449 (19) (3,200)	PROTECTED 295,178 1,537 (36,150)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind Ci Asset B Steam F Steam A Plannin	Edgeley PPA Langdon PPA Langdon PPA Ashabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	175,449 (19) (3,200)	PROTECTED 295,178 1.537 (36,150)	DATA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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38 Books Books Books Books Books 40 Books Books Books Books Books 41 Books Books Books Books Books 42 Books Books Books Books Books 43 Books Books Books Books Books 44 Books Books Books Books Books 45 Books Books Books Books Books 46 Books Books Books Books Books 47 Books Books Books Books Books 48 Books Books Books Books Books 49 Books Books Books Books Books 40 Books Books Books Books Books 41 Books Books Books Books Books 42 Books Books Books Books Books 43 Books Books Books Books Books 44 Books Books Books Books Books 455	36	555 00	MISO Wholesale Market Charges	N1/4	NI/A		
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100 555.05 DA Regulation-Up Distribution Amount N/A N/A 101 555.07 DA Supplemental 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 Distribution Amount N/A N/A 104 555.11 RT Over-Collected Lasses Distribution Amount N/A N/A 105 555.12 RT Regulation Non-Performance Distribution Amount N/A N/A 106 555.12 RT Regulation Non-Performance Distribution Amount N/A N/A 107 555.14 RT Regulation Non-Performance Distribution Amount N/A N/A 108 555.17 RT Segulation Amount N/A N/A 108 555.18 RT Segulation Amount N/A N/A 108 555.26 RT Segulation Amount N/A N/A 110 555.27 RT Pseudo Tie Loss Amount N/A N/A 111 555.28 RT Demaous Amount N/A		555.15	RT Revenue Neutrality Uplift Distribution Amount				
101 555.06 DA Spinning Reserve Distribution Amount N/A N/A 102 555.07 DA Supinning Reserve Distribution Amount N/A N/A 103 555.07 DA Supinning Reserve Distribution Amount N/A N/A 104 555.11 RT Contingency Reserve Distribution Amount N/A N/A 104 555.12 RT Regulation-Down Distribution Amount N/A N/A 106 555.13 RT Regulation-Down Distribution Amount N/A N/A 106 555.14 RT Regulation-Up Distribution Amount N/A N/A 107 555.16 RT Septining Reserve Distribution Amount N/A N/A 108 555.17 RT Septimental Reserve Distribution Amount N/A N/A 108 555.17 RT Septimental Reserve Distribution Amount N/A N/A 110 555.21 RT Peaudo Tie Congestion Amount N/A N/A 111 555.23 RT Secoult Yeark Amount N/A N/A 112 555.23 RT Senduito In Distribution Amount							
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 Regulation-Down 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 Equitation-Non-Performance Distribution Amount N/A N/A 108 555.14 RT Equitation-Non-Performance Distribution Amount N/A N/A 108 555.14 RT Equitation-Non-Performance Distribution Amount N/A N/A 109 555.17 RT Septemental Reserve Distribution Amount N/A N/A 110 555.27 RT Presudo Tie Congestion Amount N/A N/A 111 555.28 Macelaneous Amount N/A N/A 112 555.29 RT Demand Reduction Distribution Amount N/A N/A 114 555.20	101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
104 555.11 RT Over-Collected Losses Distribution Amount N/A N/A 105 555.12 RT Regulation-Non-Performance Distribution Amount N/A N/A 106 555.13 RT Regulation-Non-Performance Distribution Amount N/A N/A 107 555.14 RT Regulation-Non-Performance Distribution Amount N/A N/A 108 555.16 RT Spinning Reserve Distribution Amount N/A N/A 109 555.17 RT Supping Reserve Distribution Amount N/A N/A 110 555.27 RT Pseudo Tie Congestion Amount N/A N/A 111 555.28 RT Pseudo Tie Congestion Amount N/A N/A 112 555.23 Miscelaneous Amount N/A N/A 112 555.23 Miscelaneous Amount N/A N/A 112 555.23 Miscelaneous Amount N/A N/A 113 555.26 RT Demand Reduction Distribution Amount N/A N/A 114 555.26 RT Schedule 1AA Amount N/A N/A	102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105 555.12 RT Regulation-Down Distribution Amount N/A N/A 106 555.13 RT Regulation Nun-Performance Distribution Amount N/A N/A 107 555.13 RT Regulation Nun-Performance Distribution Amount N/A N/A 108 555.16 RT Regulation-Nun-Performance Distribution Amount N/A N/A 108 555.17 RT Supplemental Reserve Distribution Amount N/A N/A 109 555.27 RT Sequéntial Reserve Distribution Amount N/A N/A 110 555.28 RT Pseudo Tie Congestion Amount N/A N/A 111 555.26 ARR Closeout Yeark Amount N/A N/A 112 555.28 RT Demand Reduction Distribution Amount N/A N/A 113 555.26 ARR Closeout Yeark Amount N/A N/A 114 555.29 RT Schedule 1A3 Amount N/A N/A 115 555.20 RT Schedule 1A4 Amount N/A N/A 116 555.31 DA Ramp Up Distribution Amount N/A		555.08	RT Over-Collected Losses Distribution Amount				
106 555.13 RT Regulation Non-Performance Distribution Amount N/A N/A 107 555.14 RT Regulation-LP 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 110 555.27 RT Pseudo Tie Congestion Amount N/A N/A 111 555.23 RT Pseudo Tie Congestion Amount N/A N/A 111 555.23 RT Requisitorie Tie Loss Amount N/A N/A 112 555.23 RT Reduction Distribution Amount N/A N/A 113 555.26 RT Chemand Reduction Distribution Amount N/A N/A 114 555.28 RT Schedule 1AA Amount N/A N/A 114 555.29 RT Schedule 1AA Amount N/A N/A 116 555.30 RT Schedule 1AA Amount N/A N/A 116 555.32 D R Amp Up Distribution Amount N/A N/A Ne		555.12	RT Regulation-Down Distribution Amount				
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 Congestion Amount N/A N/A 111 555.23 Miscelaneous Amount N/A N/A 112 555.23 Miscelaneous Amount N/A N/A 113 555.26 ART Closeout' Year/ Amount N/A N/A 114 555.28 RT Schedule 1A3 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 116 555.32 DA Ramp Up Distribution Amount N/A N/A 117 555.31 DA Ramp Up Distribution Amount N/A N/A N/A 118	106	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109 555.17 RT Supplemental Reserve Distribution Amount N/A N/A 110 555.21 RT Sexub Tie Congestion Amount N/A N/A 111 555.21 RT Sexub Tie Congestion Amount N/A N/A 111 555.21 RT Sexub Tie Congestion Amount N/A N/A 112 555.23 Miscelianeous Amount N/A N/A 113 555.26 ARR Closeout Yeark Amount N/A N/A 114 555.28 RT Demand Reduction Distribution Amount N/A N/A 114 555.29 RT Schedule 1AA Amount N/A N/A 115 555.29 RT Schedule 1AA Amount N/A N/A 116 555.30 RT Schedule 1AA Amount N/A N/A 117 565.31 DA Ramg Up Distribution Amount N/A N/A 118 555.32 DA Ramg Dup Distribution Amount N/A N/A N/A 119 555.33 RT Ramg Non Performance Distribution Amount N/A N/A N/A N	107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
110 555.2 RT Pseudo Tie Congestion Amount N/A N/A 111 555.23 RT Pseudo Tie Loss Amount N/A N/A 111 555.23 Miscellaneous Amount N/A N/A 113 555.23 Miscellaneous Amount N/A N/A 114 555.26 ARC Closeout Yeark 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 D/R Ramp Up Distribution Amount N/A N/A 118 555.32 D/R Ramp Down Distribution Amount N/A N/A 118 555.33 RT Ramp Non Performance Distribution Amount N/A N/A New charge type in 2022 119 555.33 S4 RT Ramp Non Performance Distribution Amount N/A N/A New charge type in 2022 120 555.33 S54 RT Ramp Up Dis		555.16	KT Spinning Reserve Distribution Amount				
111 555.21 RT Pseudo Tie Loss Amount N/A N/A 112 555.23 Miceleneous Amount N/A N/A 113 555.26 ARR Closeout Yearly Amount N/A N/A 114 555.26 ARR Closeout Yearly Amount N/A N/A 114 555.26 ARR Closeout Yearly Amount N/A N/A 114 555.27 RT Schedule 1A3 Amount N/A N/A 116 555.20 RT Schedule 1A3 Amount N/A N/A 116 555.30 RT Schedule 1A3 Amount N/A N/A 117 555.31 DR Ramp Up Distribution Amount N/A N/A 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 Nan Performance Distribution Amount N/A N/A New charge type in 2022 120 S55.33 RT Ramp Up Distribution Amount </td <td></td> <td>555.2</td> <td>RT Pseudo Tie Congestion Amount</td> <td></td> <td></td> <td></td> <td></td>		555.2	RT Pseudo Tie Congestion Amount				
112 555.23 Miscellaneous Amount N/A N/A 113 555.26 ARR Closeout Yearly Amount N/A N/A 114 555.28 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 117 555.30 RT Schedule 1A4 Amount N/A N/A 117 555.32 D R Tamp Down Distribution Amount N/A N/A 118 555.32 D R Tamp 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 N/A New charge type in 2022 120 555.33 RT Ramp Up Distribution Amount N/A N/A N/A N/A N/A	111	555.21	RT Pseudo Tie Loss 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 1A3 Amount N/A N/A 117 555.31 DA Ramp Up Distribution Amount N/A N/A 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 120 555.34 RT Ramp Up Distribution Amount N/A N/A New charge type in 2022		555.23	Miscellaneous Amount				
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 DR Ram (D postrbution Amount N/A N/A 118 555.32 DR Ram (Down Distribution Amount N/A N/A New charge type in 2022 119 555.33 RT Ram (D postrbution Amount N/A N/A N/A 119 555.34 RT Ram (D postrbution Amount N/A N/A N/A 110 S55.34 RT Ram (D postrbution Amount N/A N/A N/A 120 S55.34 RT Ram (D postrbution Amount N/A N/A New charge type in 2022	113	555.26	AKK Closeout Yearly Amount				
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 DA Ramp Non Performance Distribution Amount N/A N/A New charge type in 2022 119 555.34 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		555.29	RT Schedule 1A3 Amount				
118 555.32 DA Ramp Down Distribution Amount NA NA New charge type in 2022 119 555.33 RT Ramp Non Performance Distribution Amount N/A New charge type in 2022 120 555.34 RT Ramp Up Distribution Amount N/A N/W New charge type in 2022		555.30	RT Schedule 1A4 Amount	N/A	N/A		
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		555.31	DA Ramp Up Distribution Amount				New charge type in 2022
120 555.34 RT Ramp Up Distribution Amount N/A N/A New charge type in 2022	117		DA Namp Down Distribution Amount	IN/A			I YOW GIRING LYDE III 2022
	117 118						New charge type in 2022
	117 118 119 120	555.33 555.34	RT Ramp Non Performance Distribution Amount RT Ramp Up Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022

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400	555.04		N1/A	NI/A		
122		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		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		
140		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A N/A	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	Purchas	sed Power				
150			[PROTECTED DA	TA 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	T			
158		Bilateral purchases	T			
159		Market Purchases				MISO and SPP Energy Only
160		Marter Falendoo		PROTECTED	DATA ENDSI	mee and or r Enorgy only
161		Total Purchases	\$ 46.02		SALA ENDOJ	Tribal (WAPA) excluded from Total
162		I otal Fui cliases		÷ £0.50	1	most (marked by notable from rotal
163	Wind C	urtailment	\$ 39.22	\$ 39.22		
163	wind Ci	מונמוווויסוונ	ψ 33.22	¥ 39.22		
	Anna' D	and Salaa	¢ = = (^ ^ ^	e 00.00		
165	Asset B	ased Sales	\$ 54.32	\$ 28.89		
					1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166		Fuel Costs	N/A	N/A		Based Sales
				1	1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167		Asset Based Margins	N/A	N/A	l	Based Sales
168						
169	Steam F	Plant Reagents	NA	NA		Effective July 2022 - Docket No. E017/GR-20-719
170						
		Water Sales	NA	NA		Effective July 2022 - Docket No. E017/GR-20-719
170	Steam/					
	Steam/					
171		a Resource Auction Revenues	N/A	N/A		Effective June 2022
171 172				N/A		Effective June 2022
171 172 173	Plannin					Effective June 2022 Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

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-							
-			April 20 April 2023	23 Forecast to Actu	al - Expense (F	Revenue)	
Line	Diant O	eneration	Forecast IPROTECTED DA	April 2023 Actual	i		Notes
Line 1		eneration Big Stone	PROTECTED DA	TA BEGINS	. 1	1	
2		Coyote	-				Linet Letre plant strend in May 2024
4		Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021
5		Total Coal	¢ E 150 500	\$ 2,724,439		ED DATA ENDS] -47.20%	
6 7			\$ 5,159,590 [PROTECTED DA		\$ (2,435,152)	-47.20%	
8		Langdon Wind Ashtabula Wind	-				
10		Luverne Wind	_				
11		Merricourt	-		DROTECT	ED DATA ENDS	
12 13		Total Wind	\$-	\$ -	PROTECTE \$ -	ED DATA ENDS	
14 15		Total Hydro	e	s -	s -	0	
16			PROTECTED DA		3 -	0	
17 18		Jamestown 1 Jamestown 2					
19		Lake Preston					
20 21		Total Oil - Peaking Units	s -	\$ 5,921		ED DATA ENDS]	
22			PROTECTED DA		• 0,021	i	
23 24		Natural gas - Solway Natural gas - Astoria					
25						ED DATA ENDS	
26 27		Total Natural Gas	\$ 1,693,444 [PROTECTED DA	\$ 748,992 TA BEGINS	\$ (944,452)	-55.77%	-
28		Solar - Blue Jay					
29 30		Solar - Blue Heron Solar - Hoot Lake					
31			•	•		ED DATA ENDS]	
32 33		Total Solar	ş -	\$-	ş -	0	
34		Total OTP-Owned	\$ 6,853,034	\$ 3,479,352	\$ (3,373,683)	-49.23%	
35 36	Wholes	ale Market Charges					1
37		MISO Wholesale Market Charges	¢	¢	¢		Energy Amounts - included/embedded within Market Purchases
38 39		DA Asset Energy Amount*** DA FBT Loss Amount	<u>\$</u> - \$-		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.09	DA Non-asset Energy Amount***	\$ -	\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
41 42	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ - \$ (209,055)		\$ - \$ 45,071	-21.56%	Energy Amounts - included/embedded within Market Purchases
43 44		RT FBT Loss Amount DA Loss Amount	\$ - \$ 550,344	\$ -	\$ - \$ (101,305)	-18.41%)
44		RT Loss Amount	\$ 550,344 \$ 35,157			-18.41% 133.00%	
46 47		RT Non-Asset Energy Amount***	\$-	\$-	\$-	0	Energy Amounts - included/embedded within Market Purchases
47 48		DA Losses Rebate on Option B GFA DA Virtual Energy Amount			\$ - \$ -	0	
49 50	555.32	RT Virtual Energy Amount	\$-	\$ -	\$ -	-23.70%)
50			\$ 83,822 \$ 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 54		DA FBT Congestion Amount DA Congestion	\$ - \$ 409,231		\$ - \$ 1,911,835	467.18%	
55	555.20	RT FBT Congestion Amount	\$ - \$ 33.442		\$ - \$ 243.486	0 728.09%	/
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 33,442 \$ (693,268)		\$ (3,678,387)	530.59%	
58 59			\$ (19,902) \$ -		\$ (221,362) \$ -	1112.24%	
60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount			\$ -	0	
61	555.36	FTR Full Funding Guarantee Amount	\$ (61,209)		\$ (169,893)	277.56%	
62 63	555.37	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 60,489 \$ (314,545)	\$ (6,230,968)	\$ 166,923 \$ (5,916,423)	275.96% 1880.95%	
64 65	555.38	FTR Annual Transaction Amount	\$ 314,512 \$ 1,660		\$ 5,901,842 \$ 29,747	1876.51% 1791.72%	
66		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (23,617)			389.19%	
67 68	555.07	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount		\$-	\$ - \$ (58)	-0.73%	/
69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount	\$ (5,379)			-37.82%	,,,,,,,
70 71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051 \$ (53,831)	\$ 4,863	\$ (56,188)	-92.03% -100.00%	
72	555.42	RT Price Volatility Make Whole Payment	\$ (36,614)	\$ (18,140)	\$ 18,474	-50.46%	
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 110,172 \$ 6,224			74.59%	
75	555.27	RT Net Inadvertent Amount	\$ (2,816)	\$ (11,520)	\$ (8,704)	309.04%	
76 77	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ - \$ 2,759		\$ - \$ 278	0 10.08%	+
78	555.63	DA Ramp Product	\$ (970)	\$ (1,517)	\$ (546)	56.32%	,
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (213) \$ 7,267			-270.68% 307.71%	+
81	555.55	RT ASM Non-Excessive Energy Amount***	\$ -	\$-	\$-	0	Energy Amounts - included/embedded within Market Purchases
82 83		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$ - \$ -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
84	555.06	DA Losses Rebate on COGA	\$ -	\$-	ş -	0	
85 86	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	<u>\$</u> - \$-	\$	\$ - \$ -	0	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule			\$ (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						<u> </u>	
91 92	555.19		\$-	\$-	\$-	0	Energy Amounts - included/embedded within Market Purchases
93	555.03	DA Non-asset Energy Amount	\$ -	\$ -	\$ - ¢	0	
94 95	555.00	RT Asset Energy Amount*** RT Non-Asset Energy Amount	\$-		\$ -	0	Energy Amounts - included/embedded within Market Purchases
96	555.02		\$ -	\$ -	\$ - \$ (183)	-100.00%	
97 98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$-	\$ -	0	
99 100	555.15	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 21 \$ 11	\$-	\$ (21) \$ (11)	-100.00% -100.00%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 23	\$-	\$ (23)	-100.00%	·
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$ 24	\$-	\$ (24)		
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%	
106 107	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	\$ (0) \$ (0)	\$ -	\$ 0 \$ 0	-100.00% -100.00%	
108 109	555.14	RT Regulation-Up Distribution Amount	\$ (1) \$ (0)	\$-	\$ 1 \$ 0	-100.00% -100.00%	2
110	555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (75,991) \$ (24,143)	\$ 106,176	\$ 182,167	-239.72% -105.44%	
	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (7)	\$ -	\$ 7	-105.44%	
112 113	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$-	\$-	\$ - \$ 0	0-100.00%	
112 113 114			\$ (0)				
112 113 114 115 116	555.28 555.29	RT Schedule 1A3 Amount	\$ 1		\$ (1)	-100.00%	
112 113 114 115 116 117	555.28 555.29 555.30	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	\$ 1 \$ 6	\$ -	\$ (6)	-100.00%	
112 113 114 115 116	555.28 555.29 555.30 555.31 555.32	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	\$ 1 \$ 6 \$ - \$ -	\$- \$- \$-		-100.00% 0 0	

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121	555.34 RT Ramp Up Distribution Amount	\$		\$	-	s		0 New charge type in 2022
121	555.35 RT Ramp Down Distribution Amount	\$		\$		s S		0 New charge type in 2022
123	555.01 DA GFA Carve Out Distribution Deployment Daily Amount	\$	10				10) -100.	
124	555.22 DA GFA Carve Out Distribution Deployment Monthly Amount	ŝ	(0)			ŝ	0 -100.	
125		\$	-	\$				
126	Total SPP Wholesale Market Charges		(142,603)			\$ 233,	46 -163.	6%
127		•	(1		•,		
128	MISO ASM							
129	Day Ahead Regulation Amount	\$	(48,175)	\$	(34,953)	\$ 13,3	23 -27.	15%
130	Real Time Regulation Amount	\$	10,554		(14,344)			
131	Regulation Cost Distribution Amount	ŝ	16,785		17,430			4%
132	Day Ahead Short-Term Reserve Amount	ŝ	(20,831)		(21,131)			14%
133	Real Time Short-Term Reserve Amount	\$	980					5%
134	Short-Term Reserve Cost Distribution Amount	ŝ	9,069		8,933			19%
135	Day Ahead Spinning Reserve Amount	Ś	(21,842)		(16,982)		60 -22.	
136	Real Time Spinning Reserve Amount	ŝ	5,947		(3,642)		89) -161.	
137	Spinning Reserve Cost Distribution Amount	ŝ	13,808		16.317		10 18.	
138	Day Ahead Supplemental Reserve Amount	\$	(12,537)		(5,164)		73 -58.	
139	Real Time Supplemental Reserve Amount	\$	7,665		3,900		65) -49.	
140	Supplemental Reserve Cost Distribution Amount	ŝ	2,126				51) -35.	
141	Contingency Reserve Deployment Failure Charge Amount	ŝ	24				24) -100.	
142	Real Time Excessive Deficient Energy Deployment Charge Amount	ŝ	2,451		7,440		89 203.	
143	Short-Term Reserve Deployment Failure Charge Amount	\$		\$				0
144	Net Regulation Adjustment Amount	ŝ	1.440				60) -66.	70%
145	Total MISO ASM		(32,537)		(38,511)		74) 18.	
146		*	(,,		(**)***/	+ (-)		
147	Total Wholesale Market Charges	s	3,760	\$	(1,695,894)	\$ (1.699.	54) -45207.	10%
148		*	-,		(1)222)222.7	+ (.,,		
149								
150	Purchased Power							
151		[PROTE	ECTED DA	TA BE	GINS			
152	Edgelev 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								
		-						MISO and SPP Energy Only
161	Market Purchases	-				PROT	CTED DATA EN	MISO and SPP Energy Only SI
		-	4,219,808	s	4,576,288			
161	Market Purchases	- \$ 4	4,219,808	\$	4,576,288			DS]
161 162	Market Purchases Total Purchases	- \$ 4 \$	4,219,808		4,576,288	\$ 356,4	80 8.	15] 15% Tribal (WAPA) excluded from Total
161 162 163	Market Purchases Total Purchases					\$ 356,4	80 8.	15] 15% Tribal (WAPA) excluded from Total
161 162 163 164	Market Purchases Total Purchases	\$		\$		\$ 356, \$ (51,	80 8. 06) -223.	15] 15% Tribal (WAPA) excluded from Total
161 162 163 164 165	Market Purchases Total Purchases Wind Curtaliment	\$	23,005	\$ \$	(28,301)	\$ 356, \$ (51, \$ 666,	80 8. 06) -223. 06 -54.	S] S% Trbal (WAPA) excluded from Total S% Trbal (WAPA) excluded from Total % Credit to MN FCA Calculation - Subtracted from Total
161 162 163 164 165 166	Market Purchases Total Purchases Wind Curtailment Asset Based Sales	\$ \$ (1	23,005	\$ \$ \$	(28,301)	\$ 356, \$ (51, \$ 666, \$ 100,	80 8. 06) -223. 06 -54. 90 -17.	151
161 162 163 164 165 166 167	Market Purchases Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs	\$ \$ (1 \$	23,005 1,217,963) (589,177)	\$ \$ \$	(28,301) (551,257) (488,187)	\$ 356, \$ (51, \$ 666, \$ 100,	80 8. 06) -223. 06 -54. 90 -17.	151
161 162 163 164 165 166 167 168	Market Purchases Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs	\$ \$ (1 \$	23,005 1,217,963) (589,177)	\$ \$ \$	(28,301) (551,257) (488,187)	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565,	80 8. 06) -223. 06 -54. 90 -17. 17 -89.	151
161 162 163 164 165 166 167 168 169	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Cosis Asset Based Margins	\$ \$ \$	23,005 1,217,963) (589,177) (628,787)	\$ \$ \$	(28,301) (551,257) (488,187) (63,070)	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565,	80 8. 06) -223. 06 -54. 90 -17. 17 -89.	15)
161 162 163 164 165 166 167 168 169 170 171	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit	\$ \$ \$ \$ \$	23,005 1,217,963) (589,177) (628,787) -	\$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070) (17,471)	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565, \$ (17,	80 8. 06) -223. 06 -54. 90 -17. 17 -89. 71)	181
161 162 163 164 165 166 167 168 169 170 171 172	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit	\$ \$ \$	23,005 1,217,963) (589,177) (628,787)	\$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070)	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565, \$ (17,	80 8. 06) -223. 06 -54. 90 -17. 17 -89. 71)	15)
161 162 163 164 165 166 167 168 169 170 171 171 172 173	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ \$ \$ \$ \$	23,005 1,217,963) (589,177) (628,787) - 236,202	\$ \$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070) (17,471) 130,922	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565, \$ (17, \$ (105,)	80 8. 06) -223. 06 -54. 90 -17. 17 -89. 71) 80) \$	181
161 162 163 164 165 166 167 168 169 170 171 172 173 174	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ \$ \$ \$ \$	23,005 1,217,963) (589,177) (628,787) -	\$ \$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070) (17,471)	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565, \$ (17, \$ (105,)	80 8. 06) -223. 06 -54. 90 -17. 17 -89. 71)	181
161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ \$ \$ \$ \$ \$ \$	23,005 1,217,963) (589,177) (628,787) - 236,202 (39,951)	\$ \$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070) (17,471) 130,922 (41,854)	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565, \$ (17, \$ (105, \$ (1,	80 8. 06 -223. 06 -54. 90 -17. 17 -89. 71) 80) \$ 03) \$	181
161 162 163 164 165 166 167 168 169 170 170 170 177 172 173 174 175 176	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ \$ \$ \$ \$ \$ \$	23,005 1,217,963) (589,177) (628,787) - 236,202	\$ \$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070) (17,471) 130,922	\$ 356, \$ (51, \$ 666, \$ 100, \$ 565, \$ (17, \$ (105, \$ (1,	80 8. 06) -223. 06 -54. 90 -17. 17 -89. 71) 80) \$	181
161 162 163 164 165 166 167 168 169 170 171 172 173 174	Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Seneration Credit Steam Plant Reagents Steam/Water Sales Planning Resource Auction Revenues	\$ \$ \$ \$ \$ \$ \$	23,005 1,217,963) (589,177) (628,787) - 236,202 (39,951)	\$ \$ \$ \$ \$ \$	(28,301) (551,257) (488,187) (63,070) (17,471) 130,922 (41,854)	\$ 356, \$ (51,3 \$ 666, \$ 100,3 \$ 565, \$ (17,4 \$ (105,5) \$ (11,5); \$ (11,5); \$	80 8. 06 -223. 06 -54. 90 -17. 17 -89. 71) 80) \$ 03) \$	181

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

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Γ			April 2023 Forec	ast to Actual - Expe	ense (Revenue)	
			April 2023			
Line	Plant Co	neration	Forecast [PROTECTED DA	April 2023 Actual		Notes
1		Big Stone	PROTECTED DA	TA BEGINS		
2		Coyote	_			
3		Hoot Lake #2	_			Hoot Lake plant closed in May 2021
4 5		Hoot Lake #3		PROTECTED	DATA ENDSI	
6		Total Coal	210,223	106,043		
7			[PROTECTED D/	TA BEGINS		
8		Langdon Wind				
10		Ashtabula III				
11		Luverne Wind	_			
12 13		Merricourt		PROTECTED		
13		Total Wind and Solar	113,352	204.134	DATA ENDS	
15						
16		Total Hydro	1,644	906		
17 18		Jamestown 1	[PROTECTED DA	ATA BEGINS		
19		Jamestown 2	_			
20 21		Lake Preston		PROTECTED		
21		Total Oil - Peaking Units	-	PROTECTED	DATA ENDSI	
23			[PROTECTED DA	ATA BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	-			
26		Natural gas - Astonia		PROTECTED	DATA ENDS]	
27		Total Natural Gas	49,432	26,381		
28 29		Solar Plus lav	[PROTECTED DA	ATA BEGINS		
30		Solar - Blue Jay Solar - Blue Heron	_			
31		Solor - Hoot Lake	_			
32		Total Solar		PROTECTED 626	DATA ENDS]	
33 34		l otal Solar	-			
35		Total OTP-Owned	374,651	338,090		
36	Wheler	la Markat Charges				
37 38		le Market Charges MISO Wholesale Market Charges				
39	555.02	DA Asset Energy Amount***	N/A	N/A		
40 41	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
43	555.24	RT Distribution of Losses Amount	N/A	N/A		
44		RT FBT Loss Amount	N/A	N/A		
45 46		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
47	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
48		DA Losses Rebate on Option B GFA	N/A	N/A		
49 50	555.32	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
51	555.01	DA Mkt Admin Amount	N/A	N/A		
52		RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55		DA Congestion	N/A	N/A		
56		RT FBT Congestion Amount	N/A	N/A		
57 58	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
59	555.15	FTR Monthly Allocation Amount	N/A	N/A		
60	555.17	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61 62		FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
63	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
64 65	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	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 69	555.07	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
70	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72 73	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
74	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
75		RT Misc Amount	N/A	N/A		
76 77		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
78	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
79 80	555.63	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
81		RT Schedule 49 Cost Distribution Amount	N/A	N/A		
82	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83 84	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
85		DA Losses Rebate on COGA	N/A	N/A		
86	555.22	RT Congestion Rebate on COGA	N/A	N/A		
87 88	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	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		DA Non-asset Energy Amount	N/A	N/A		
95 96	555.09	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
97	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98 99		RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	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		
102 103	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.07	DA Supplemental Reserve Distribution Amount	N/A N/A	N/A		
105	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106 107	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	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		
110 111	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	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		
114 115	555.23	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	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		
118 119	555.30 555.31	RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022
120		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
-	-					

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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		
134	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
135	Day Ahead Spinning Reserve Amount	N/A	N/A N/A		
		N/A	N/A N/A		
137 138	Real Time Spinning Reserve Amount	N/A N/A	N/A N/A		
	Spinning Reserve Cost Distribution Amount				
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		IPROTECTED DA	TA BEGINS		
153	Edgelev 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	Market Fulchases		PROTECTED		MISO and SFF Energy Only
	TutilDurituri			DATA ENDS	T2 ((MADA)
163	Total Purchases	116,111	196,898		Tribal (WAPA) excluded from Total
164					
165	Wind Curtailment	587	(722)		
166					
	Wind Curtailment Asset Based Sales	587 (22,323)	(722) (21,128)		Credit to MN FCA Calculation - Subtracted from Total
166 167	Asset Based Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
166 167	Asset Based Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166 167	Asset Based Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
166 167 168	Asset Based Sales Fuel Costs				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166 167 168 169	Asset Based Sales Fuel Costs Asset Based Margins				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166 167 168 169 170 171	Asset Based Sales Fuel Costs	(22,323)	(21,128)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
166 167 168 169 170	Asset Based Sales Fuel Costs Asset Based Margins	(22,323)	(21,128)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
166 167 168 169 170 171 172 173	Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	(22,323)	(21,128)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
166 167 168 169 170 171 172 173 174	Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents SteamWator Sales	(22,323)	(21,128)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
166 167 168 169 170 171 172 173	Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	(22,323)	(21,128)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719

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Г			April 2023 Forec	ast to Actual - Expe	ense (Revenue)	
			April 2023			
Line	Plant Go	eneration	Forecast [PROTECTED DA	April 2023 Actual		Notes
1		Big Stone		A DEGINO		
2		Coyote		PROTECTER		
3 4		Total Coal	\$ 24.54	PROTECTED \$ 25.69	DATA ENDS	
5			[PROTECTED DA			
6		Langdon Wind	-			
7 8		Ashtabula Wind Ashtabula III	-			
9		Luverne Wind	-			
10		Merricourt		PROTECTER		
11 12		Total Wind	s -	PROTECTED \$ -	DATA ENDS	
13						
14 15		Total Hydro	\$ - [PROTECTED DA			
16		Jamestown 1	[FROTECTED DA	TA BEGING		
17		Jamestown 2	-			
18 19		Lake Preston		PROTECTED	DATA ENDSI	
20		Total Oil - Peaking Units	\$-	\$-	DATA ENDO	
21			[PROTECTED DA	TA BEGINS		
22 23		Natural gas - Solway Natural gas - Astoria	-			
24				PROTECTED	DATA ENDS]	
25		Total Natural Gas				
26 27		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
28		Solar - Blue Heron	-			
29		Solar - Hoot Lake		PROTECTED		
30 31		Total Solar	\$ -	PROTECTED	SALA ENDO]	
32						
33 34		Total OTP-Owned	\$ 58.80	\$ 54.08		
35	Wholesa	le Market Charges				
36		MISO Wholesale Market Charges				
37 38	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	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 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43		DA Loss Amount	N/A	N/A		
44		RT Loss Amount	N/A	N/A		
45 46	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12	DA Virtual Energy Amount	N/A	N/A		
48 49		RT Virtual Energy Amount	N/A N/A	N/A N/A		
49 50	555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55		RT Congestion	N/A	N/A		
56 57	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	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 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63 64	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	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 68		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70 71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
71		RT Price volatility make whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
74 75		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
78 79	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
79 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 83		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA	N/A	N/A		
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		Total MISO Wholesale Market Charges				
89 90		SPP Wholesale Market Charges		1		
91	555.19	DA Asset Energy Amount***	N/A	N/A		
92	555.03	DA Non-asset Energy Amount	N/A	N/A		
93 94	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	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 98	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
100		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
101 102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104 105		RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	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		
108 109	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	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		
112 113		Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	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		
116 117		RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	N/A N/A	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
		RT Ramp Non Performance Distribution Amount RT Ramp Up Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
119 120	555.34					

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555.35 RT Ramp Down Distribution Amount 555.01 DA GFA Carve Out Distribution Deployment Daily Amount 555.22 DA GFA Carve Out Distribution Deployment Monthly Amount	N/A N/A	N/A N/A		New charge type in 2022
	N/A			
	N1/A			
	N/A N/A	N/A N/A		
555.27 DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges	N/A	N/A		
Total SPP wholesale Market Charges				
MICO ACM				
	N1/A	NI/A		
Real Time Supplemental Reserve Amount				
Supplemental Reserve Cost Distribution Amount				
	IN/A	19/3		
Total Wholesale Market Charges				
Total Whotedale Market ontargee				
Purchased Power				
	IPROTECTED DA	TA BEGINS		
	-			
	-			
Tribal (WAPA)		-		Not Applicable to EAR - Excluded from Total
WAPA Energy Imbalance	-	-		
Shared Loads	-			
Small Co-gen	-			
Bilateral purchases				
Market Purchases				MISO and SPP Energy Only
		PROTECTED	DATA ENDS]	
Total Purchases	\$ 36.34	\$ 23.24		Tribal (WAPA) excluded from Total
Wind Curtailment	\$ 39.22	\$ 39.22		
Asset Based Sales	\$ 54.56	\$ 26.09		
				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Fuel Costs	N/A	N/A		Based Sales
				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Asset Based Margins	N/A	N/A		Based Sales
Steam Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
Steam/Water Sales	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
Planning Resource Auction Revenues	N/A	N/A		Effective June 2022
Total System - Plant Level	\$ 19.83	\$ 10.01		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
	Edgeley PPA Landon PPA Landon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Vind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents Steam/Water Sales Planning Resource Auction Revenues	Day Arbead Regulation Amount NA Real Time Resultation Amount NA Bay Mead Strot-Term Reserve Amount NA Day Arbead Strot-Term Reserve Amount NA Bay Arbead Strot-Term Reserve Amount NA Real Time Supplemental Reserve Amount NA Strot-Term Reserve Decolorment Failure Charge Amount NA Real Time Excessive Declorment Failure Charge Amount NA Net Regulation Adjustment Amount Total MISO ASM Purchased Power Total Wholesale Market Charges Edgeley PPA Iprotal War	Day Arread Regulation Amount NA NA NA Regulation Cast Distribution Amount NA NA NA Day Arread Stort-Term Reserve Amount NA NA NA Day Arread Stort-Term Reserve Amount NA NA NA Stort-Term Reserve Amount NA NA NA Bay Arread Spinning Reserve Amount NA NA NA Bay Arread Reserve Cast Distribution Amount NA NA NA Bay Arread Reserve Cast Distribution Amount NA NA NA Day Arread Spinning Reserve Amount NA NA NA String Bayes Cast Distribution Amount NA NA NA Day Arread Supplemental Reserve Cost Distribution Amount NA NA NA Contingency Reserve Decomment Failure Charge Amount NA NA NA Read Time Excessive Decolorment Failure Charge Amount NA NA NA Neat Regulation Adjustment Amount Total MiSO ASM NA NA Edgeley PPA [PROTECTED DATA BEGINS Edgeley PPA Sistare	Day Arread Regulation Amount N/A N/A Required amount N/A N/A Required and amount N/A N/A Day Arread Stort Term Reserve Amount N/A N/A Bay Arread Stort Term Reserve Amount N/A N/A Bay Arread Stort Term Reserve Amount N/A N/A Bay Arread Reserve Cast Distribution Amount N/A N/A Day Arread Reserve Cast Distribution Amount N/A N/A Spinning Reserve Amount N/A N/A Bay Arread Reserve Amount N/A N/A Day Arread Reserve Amount N/A N/A Bay Arread Reserve Amount N/A N/A Day Arread Supplemental Reserve Amount N/A N/A Day Arread Supplemental Reserve Amount N/A N/A Supplemental Reserve Delowment Charge Amount N/A N/A Contingerve Reserve Delowment Charge Amount N/A N/A NA N/A N/A N/A Stort-Term Reserve Delowment Charge Amount N/A N/A NA <td< td=""></td<>

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		May 202	3 Forecast to Actu	al - Expense (l	Revenue)	
		May 2023 Forecast	May 2023 Actual			Notes
Plant G	Big Stone	PROTECTED DA	TA BEGINS			
	Covote Hoot Lake #2	-				Hoot Lake plant closed in May 2021 - removal of fuel remaining before deconstruction
	Hoot Lake #3			PROTECT	ED DATA ENDS]	
	Total Coal	\$ 4,971,146 [PROTECTED DA]	\$ 4,086,034 TA BEGINS	\$ (885,113)	-17.81%	
	Langdon Wind Ashtabula Wind	-				
	Luverne Wind Merricourt	-				
	Total Wind	s -	•	PROTECT \$ -	ED DATA ENDS	
			•	s -	0	
	Total Hydro	\$ - [PROTECTED DA]	\$- TA BEGINS	ş -	0	
	Jamestown 1 Jamestown 2	-				
	Lake Preston				ED DATA ENDS]	
	Total Oil - Peaking Units	\$ - [PROTECTED DA	\$ 3,951 TA BEGINS	\$ 3,951	0	
	Natural gas - Solway Natural gas - Astoria	-				
	Total Natural Gas	\$ 1,610,721	\$ 1,241,776	PROTECT \$ (368,945)	ED DATA ENDS] -22.91%	
	Solar - Blue Jay	IPROTECTED DA				
	Solar - Blue Heron Solar - Hoot Lake					
	Total Solar	s -	s -	PROTECT	ED DATA ENDS]	
	Total OTP-Owned		•	\$ -	-18.99%	
		¥ 0,001,00/	¥ 0,001,701	v(1,230,107)	-10.99%	
	ale Market Charges MISO Wholesale Market Charges					
	DA FBT Loss Amount	\$ - \$ -	\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$ \$	\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
555.24	RT Distribution of Losses Amount RT FBT Loss Amount	\$ (197,220) \$ -	\$ (76,886) \$ -	\$ 120,334 \$ -	-61.01% 0	
	DA Loss Amount RT Loss Amount	\$ 519,186 \$ 33,166	\$ 582,354 \$ 5,247	\$ 63,168	12.17% -84.18%	
	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$-	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
555.12	DA Virtual Energy Amount RT Virtual Energy Amount	s - s -	\$ -	\$ - \$ -	0	
555.01	DA Mkt Admin Amount TT Mkt Admin Amount	\$ - \$ 81,288 \$ 8,466	\$ 73,622	\$ (7,666)	-9.43%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
555.13	FTR Mkt Admin Amount	\$ 2,378	\$ 1,851	\$ (528)	-22.19%	Excluded from Total MISO Wholesale Market Charges - Not MIN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MIN EAR Applicable
	DA FBT Congestion Amount DA Congestion	\$ - \$ 386,063		\$ 1,116,149	0 289.11%	
	RT FBT Congestion Amount RT Congestion	\$- \$31,548	\$- \$40,749	\$ 9,201	0 29.16%	
555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ (654,019) \$ (18,776)	\$ (2,623,483) \$ (178,686)	\$ (1,969,465) \$ (159,911)	301.13% 851.69%	
555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	s	s -	\$- \$-	0	
555.36		\$ 19,934 \$ (20,894)	\$ (104,674) \$ 67,648	\$ (124,608) \$ 88,542	-625.11% -423.77%	
555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (314,545) \$ 314.512	\$ (6,230,968)	\$ (5,916,423) \$ 5,901,842	1880.95% 1876.51%	
555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 1,660 \$ (23,617)	\$ 31,407 \$ (115,534)	\$ 29,747	1791.72% 389.19%	
555.07	DA Congestion Rebate on Option B GFA	\$ -	\$-	\$-	0	
555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 9,470 \$ (3,024)	\$ (5,608)	\$ (2,583)	-2.13% 85.42%	
555.30	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 61,051 \$ (53,831)	\$	\$ 53,831	-78.12% -100.00%	
555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (36,614) \$ 110,172	\$ 58,473	\$ (51,699)	0.90%	
555.27	RT Misc Amount RT Net Inadvertent Amount	\$ 6,224 \$ (2,816)	\$ 4,720	\$ 7,537	-68.24% -267.61%	
555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$- \$4,871	\$ (7)	\$ - \$ (4,878)	0 -100.15%	
555.63 555.64	DA Ramp Product RT Ramp Product	\$ (341) \$ 25	\$ (2,635) \$ (2,350)	\$ (2,294) \$ (2,375)	672.23% -9682.39%	
555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 7,267 \$ -			251.99%	Energy Amounts - included/embedded within Market Purchases
555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$ - \$ -		\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA		Ŧ	s - s -	0	
	RT Longestion Repate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	s -		\$ - \$ 60,122	0	
	Total MISO Wholesale Market Charges			\$ 60,122		
		\$ 179,451	\$ (758,311)	⇒ (3 37,763)	-522.57%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
	SPP Wholesale Market Charges DA Asset Energy Amount***	\$-		\$ -		Energy Amounts - included/embedded within Market Purchases
555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	\$ - \$ -	\$-	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$-	\$	\$- \$-	0	
555.10 555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$ 183 \$ -	\$ 20 \$ -	\$ (164) \$ -	-89.31% 0	
555.15	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 21 \$ 11	\$ 1	\$ (10)	-35.36% -88.48%	
555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 23 \$ 24	\$ 7	\$ (16)	-69.91% -59.15%	
555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 24 \$ 3 \$ (0)	\$ 1		-66.62%	
555.11	RT Over-Collected Losses Distribution Amount	\$ (40,323)	\$ (10,704)	\$ 29,619	-73.46%	
555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	\$ (0) \$ (0)	\$ (0)	\$ (0)	-201.41% 1.69%	
555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)	\$ 0	\$ 1	-162.37%	
555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (71,689)	\$ (2,810)	\$ 68,878	-93.48% -96.08%	
555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (22,776) \$ (7)	\$ (8,974) \$ 1	\$ 13,802 \$ 8	-60.60% -109.87%	
555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ - \$ (0)	s -	\$- \$0	0-100.00%	
555.29	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	\$ 1 \$ 6	\$ 1	\$ 0	19.69%	
	DA Ramp Up Distribution Amount	\$ -	\$ 0	\$ 0 \$ -	0	New charge type in 2022 New charge type in 2022
555 32	DA Ramp Down Distribution Amount					

Line

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121	555.24	RT Ramp Up Distribution Amount	¢		\$	(1)	¢	(1)	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$		э \$		\$	0		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	۹ \$	- 10		- (8)		19)	-177.89%	
			A 43							
124		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	\$	(134,514)	\$	(22,437)	\$ 112,0	78	-83.32%	
127										
128		MISO ASM								
129		Day Ahead Regulation Amount	\$	(17,021)		(85,534)			402.53%	
130		Real Time Regulation Amount	\$	(2,488)		(11,688)			369.70%	
131		Regulation Cost Distribution Amount	\$	15,117		20,697			36.91%	
132		Day Ahead Short-Term Reserve Amount	\$	(20,831)	\$	(26,062)	\$ (5,2	31)	25.11%	
133		Real Time Short-Term Reserve Amount	\$	980	\$	312	\$ (6	69)	-68.21%	
134		Short-Term Reserve Cost Distribution Amount	\$	9,069	\$	21,028	\$ 11,9	60	131.88%	
135		Day Ahead Spinning Reserve Amount	\$	(20,882)	\$	(36,433)	\$ (15,5	51)	74.47%	
136		Real Time Spinning Reserve Amount	\$	3.644		2.013			-44.76%	
137		Spinning Reserve Cost Distribution Amount	\$	14.360	\$	19.022	\$ 4.6	63	32.47%	
138		Day Ahead Supplemental Reserve Amount	\$	(17,491)		(14,582)			-16.63%	
139		Real Time Supplemental Reserve Amount	ŝ	4,792		5,476		84	14.28%	
140		Supplemental Reserve Cost Distribution Amount	\$	2,172		2.329		57	7.25%	
140		Contingency Reserve Deployment Failure Charge Amount	۹ 5	2,172				24)	-100.00%	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	۹ 5	2,451		21,027			-100.00%	
142		Short-Term Reserve Deployment Failure Charge Amount	3	2,451	\$		\$ 18,5	10	151.62%	
143			۹ \$	1.440		6.526			353.25%	
		Net Regulation Adjustment Amount								
145		Total MISO ASM	\$	(24,664)	\$	(75,869)	\$ (51,2	05)	207.61%	
146										
147		Total Wholesale Market Charges	Ş	20,273	\$	(856,616)	\$ (876,8	90)	-4325.35%	
148										
					-			-		
149										
150	Purcha	sed Power								
150 151			[PRO	TECTED DA		BEGINS				
150 151 152		Edgeley PPA	[PRO	DTECTED DA	TAE	BEGINS				
150 151 152 153		Edgeley PPA Langdon PPA	[PRO	DTECTED DA	TAE	BEGINS				
150 151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PRO 	TECTED DA	TAE	BEGINS				
150 151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PRO	DTECTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PRO - -	DTECTED DA	ATA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PRO - - -	TECTED DA	ATA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance	[PRO - - -	DTECTED DA	TA I	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157		Edgelev PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	[PRO - - - -	DTECTED DA	TAE	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co.gen	[PRO - - - -	DIECTED DA		BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158 159 160		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	[PRO 	TECTED DA		BEGINS	PROTI	CTE	D DATA ENDS1	
150 151 152 153 154 155 156 157 158 159 160 161		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	-		1				D DATA ENDS] -59.75%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	-	0TECTED DA 4,124,292	1		PROTI \$ (2,464,2			
150 151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Langdon PPA Ashtabula III PPA Trotal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		4,124,292	\$	1,660,088	\$ (2,464,2	05)	-59.75%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	-		\$		\$ (2,464,2	05)		MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind C	Edgelev PPA Langdon PPA Achiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	· · · · · · · · · · · · · · · · · · ·	4,124,292 (19,978)	\$	1,660,088	\$ (2,464,2 \$ 87,3	05) 45	-59.75% -437.21%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 165 165 166	Wind C Asset B	Edgelev PPA Langdon PPA Ashtabuka III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	- - - - - -	4,124,292 (19.978) (1,311,805)	\$	1,660,088 67,367 (1,307,597)	\$ (2,464,2 \$ 87,3 \$ 4,2	05) 45 08	-59.75% -437.21% -0.32%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166 167	Wind C Asset B	Edgelev PPA Langdon PPA Ashabula II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	• • • • • • •	4,124,292 (19.978) (1,311,805) (633,115)	\$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,754)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6	05) 45 08 19)	-59.75% -437.21% -0.32% 62.96%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind C Asset B	Edgelev PPA Langdon PPA Ashtabuka III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	- - - - - -	4,124,292 (19.978) (1,311,805)	\$ \$ \$	1,660,088 67,367 (1,307,597)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6	05) 45 08 19)	-59.75% -437.21% -0.32%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind C Asset B	Edgelev PPA Langdon PPA Achtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Strared Loads Smarl Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases Intailment ased Sales Fuel Costs Asset Based Margins	и 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,124,292 (19,978) (1,311,805) (633,115) (678,690)	\$ \$ \$ \$	1,660,088 67.367 (1,307,597) (1,031,734) (275,864)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8	45 08 19) 26	-59.75% -437.21% -0.32% 62.96% -59.35%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind C Asset B	Edgelev PPA Langdon PPA Ashabula II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	• • • • • • •	4,124,292 (19.978) (1,311,805) (633,115)	\$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,754)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8	45 08 19) 26	-59.75% -437.21% -0.32% 62.96% -59.35%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 161 162 163 164 165 166 167 168 169 170 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Real Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit	s s s s	4,124,292 (19,978) (1,311,805) (633,115) (678,690)	\$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (51,5)	05) 45 08 19) 26 01)	-59.75% -437.21% -0.32% 62.96% -59.35% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 157 158 159 160 161 162 163 164 165 167 168 166 167 168 169 170 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Achtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Strared Loads Smarl Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases Intailment ased Sales Fuel Costs Asset Based Margins	и 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,124,292 (19,978) (1,311,805) (633,115) (678,690)	\$ \$ \$ \$ \$	1,660,088 67.367 (1,307,597) (1,031,734) (275,864)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (51,5)	45 08 19) 26	-59.75% -437.21% -0.32% 62.96% -59.35% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 167 170 171 173	Wind C Asset B Hoot La Steam I	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smard Loads Smard Loads Smard Loads Market Purchases Market Purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents	\$ 	4,124,292 (19,978) (1,311,805) (633,115) (678,690) - 2222,831	\$ \$ \$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901) 181,664	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (51,5 \$ (41,1)	05) 45 08 19) 26 01) 66)	-59.75% -437.21% -0.32% 62.96% -59.35% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171 172 173 174	Wind C Asset B Hoot La Steam I	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Real Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit	s s s s	4,124,292 (19,978) (1,311,805) (633,115) (678,690)	\$ \$ \$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (51,5 \$ (41,1)	05) 45 08 19) 26 01)	-59.75% -437.21% -0.32% 62.96% -59.35% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
$\begin{array}{r} 150\\ 151\\ 152\\ 152\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 167\\ 168\\ 167\\ 168\\ 169\\ 170\\ 171\\ 173\\ 174\\ 175\\ 175\\ \end{array}$	Wind C Asset B Hoot La Steam I	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smard Loads Smard Loads Smard Loads Market Purchases Market Purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4,124,292 (19,978) (13,11,805) (678,690) - - 2222,831 (42,581)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901) 181,664	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (51,5 \$ (41,1)	05) 45 08 19) 26 01) 66)	-59.75% -437.21% -0.32% 62.96% -59.35% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Ashabuda II PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smard Loads Smard Loads Smard Loads Market Purchases Market Purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents	\$ 	4,124,292 (19,978) (1,311,805) (633,115) (678,690) - 2222,831	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901) 181,664	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (0,7 \$ (41,1) \$ (6,7	05) 45 08 19) 26 01) 66)	-59.75% -437.21% -0.32% -0.32% -59.35% -59.35% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 174 175 176 177	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Fuel Costs Ke Solar Generation Credit Plant Reagents Water Sales	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4,124,292 (19,978) (13,11,805) (678,690) - - 2222,831 (42,581)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901) 181,664 (49,355)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ (0,7 \$ (41,1) \$ (6,7	05) 45 08 19) 26 01) 66)	-59.75% -437.21% -0.32% -0.32% -59.35% -59.35% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 174 175 176	Wind C Asset B Hoot Le Steam/ Plannin	Edgelev PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Fuel Costs Ke Solar Generation Credit Plant Reagents Water Sales	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4,124,292 (19,978) (13,11,805) (678,690) - - 2222,831 (42,581)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,660,088 67,367 (1,307,597) (1,031,734) (275,864) (51,901) 181,664 (49,355)	\$ (2,464,2 \$ 87,3 \$ 4,2 \$ (398,6 \$ 402,8 \$ 402,8 \$ (51,5 \$ (41,1) \$ (6,7 \$	05) 45 08 19) 26 01) 66)	-59.75% -437.21% -0.32% 62.96% -59.35% 0 \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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Γ			May 2023 Forec	ast to Actual - Expe	ense (Revenue)	
			May 2023			
Line	Blant Go	neration	Forecast [PROTECTED DA	May 2023 Actual		Notes
1		Big Stone	I-KOIECIED DA	TA BEGING		
2		Coyote	-			
3		Hoot Lake #2	_			Hoot Lake plant closed in May 2021
5		Hoot Lake #3		PROTECTED	DATA ENDSI	
6		Total Coal	193,942	150,360		
7			[PROTECTED DA	ATA BEGINS		
8 9		Langdon Wind				
10		Ashtabula III				
11		Luverne Wind				
12 13		Merricourt		PROTECTED		
13		Total Wind and Solar	101,001	102,625	DATA ENDS	
15						
16		Total Hydro	1,699	1,384		
17 18		Jamestown 1	[PROTECTED DA	ATA BEGINS		
19		Jamestown 2	_			
20		Lake Preston				
21 22		Total Oil - Peaking Units		PROTECTED	DATA ENDS	
23		Total on Totaling onto	[PROTECTED DA	ATA BEGINS		
24		Natural gas - Solway	_			
25 26		Natural gas - Astoria		PROTECTED	DATA ENDSI	
27		Total Natural Gas	50,228	48,589		
28		Outron Director	[PROTECTED DA	TA BEGINS		
29 30		Solar - Blue Jay Solar - Blue Heron	-			
31		Solor - Hoot Lake		i.		
32				PROTECTED		
33 34		Total Solar		1,344		
35		Total OTP-Owned	346,870	304,302		
36			-			
37 38	Wholesa	le Market Charges 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 42	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
42		RT Asset Energy Amount	N/A N/A	N/A N/A		
44	555.21	RT FBT Loss Amount	N/A	N/A		
45 46		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
40		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
48	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
49 50	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
51		DA Mkt Admin Amount	N/A	N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55		DA Congestion	N/A	N/A		
56	555.2	RT FBT Congestion Amount	N/A	N/A		
57	555.44	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58 59	555.15	FTR Monthly Allocation Amount	N/A	N/A		
60	555.17	FTR Yearly Allocation Amount	N/A	N/A		
61 62		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	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 66		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	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 70		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72 73	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
74		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
75	555.25	RT Misc Amount	N/A	N/A		
76 77		RT Net Inadvertent Amount	N/A N/A	N/A N/A		
78	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
79	555.63	DA Ramp Product	N/A	N/A		
80 81		RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
81	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
84 85		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
86	555.22	RT Congestion Rebate on COGA	N/A	N/A		
87		RT Loss Rebate on COGA	N/A	N/A		
88 89		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
90		Total MISO Wholesale Market Charges				
91						
92 93	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
94	555.03	DA Non-asset Energy Amount	N/A	N/A		
95 96	555.09	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
96		DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99 100	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100	555.04	R I Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
102	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
103		DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
104 105	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	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		
108 109	555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	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		
112 113	555 21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
114	555.23	Miscellaneous Amount	N/A	N/A		
115	555.26	ARR Closeout Yearly Amount	N/A	N/A		
116 117	555.28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
118	555.30	RT Schedule 1A4 Amount	N/A	N/A		
119	555.31	DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
120						

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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		
134	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
136	Day Ahead Spinning Reserve Amount	N/A	N/A		
130	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		IPROTECTED DA	TA BEGINS		
153	Edgeley PPA				
154	Langdon PPA		1		
155	Ashtabula III PPA		1		
156	Tribal (WAPA)		1		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	MICHAGES		PROTECTED		
	T. (.) B	440.000		DATA ENDOJ	Tribel (MADA) such ded from Total
163	Total Purchases	118,323	169,148		Tribal (WAPA) excluded from Total
164	West Orstelle and	·			
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 Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
100	Fuel Costs				
					Record Solon
169	Fuel Costs Asset Based Margins				Based Sales
169 170	Asset Based Margins				
169 170 171		-	-		Based Sales Effective July 2022 - Docket No. E017/GR-20-719
169 170 171 172	Asset Based Margins Steam Plant Reagents				Effective July 2022 - Docket No. E017/GR-20-719
169 170 171 172 173	Asset Based Margins	-			
169 170 171 172 173 174	Asset Based Margins Steam Plant Reagents Steam/Water Sales	-			Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
169 170 171 172 173 174 175	Asset Based Margins Steam Plant Reagents				Effective July 2022 - Docket No. E017/GR-20-719
169 170 171 172 173 174	Asset Based Margins Steam Plant Reagents Steam/Water Sales	-			Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

Line 1 2 3 4 5 6 7 8 9 10			May 2023 Forec	act to Actual - Expe	neo (Povonuo)	
1 2 3 4 5 6 7 8 9			May 2023 Forec May 2023	ast to Actual - Expe		
1 2 3 4 5 6 7 8 9			Forecast	May 2023 Actual		Notes
2 3 4 5 6 7 8 9			[PROTECTED DA	TA BEGINS	L	
3 4 5 6 7 8 9		Big Stone Coyote	-			
5 6 7 8 9				PROTECTED	DATA ENDS]	
6 7 8 9		Total Coal	\$ 25.63 [PROTECTED DA			
8 9		Langdon Wind	INCIECTED DA	TA DEGINO		
9		Ashtabula Wind	-			
		Ashtabula III Luverne Wind	Ē			
		Merricourt	-			
11				PROTECTED	DATA ENDS]	
12 13		Total Wind	\$ -	\$ -		
14		Total Hydro	\$ -	\$-		
15			[PROTECTED DA	TA BEGINS		
16 17		Jamestown 1 Jamestown 2	-			
18		Lake Preston	-	1		
19 20		Total Oil - Peaking Units	¢	PROTECTED	DATA ENDS]	
20		Total Oil - Feaking Units	PROTECTED DA	TA BEGINS		
22		Natural gas - Solway	-			
23 24		Natural gas - Astoria		PROTECTED	DATA ENDS1	
25	-	Total Natural Gas	\$ 32.07	\$ 25.56		
26 27		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
28		Solar - Blue Heron	-			
29		Solar - Hoot Lake	-			
30		Total Salar	s -	PROTECTED	DATA ENDS]	
31 32		Total Solar	¥ -	v		
33		Total OTP-Owned	\$ 57.70	\$ 52.73		
34 35	Wholes	ale Market Charges				
36		MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39		DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	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 43		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44		RT Loss Amount	N/A	N/A		
45		RT Non-Asset Energy Amount***	N/A	N/A		
46 47	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49		DA Mkt Admin Amount	N/A N/A	N/A N/A		
50 51		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A	N/A N/A		
52	555.03	DA FBT Congestion Amount	N/A	N/A		
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55	333.Z	RT Congestion	N/A	N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
57 58		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60 61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64 65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66		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 69		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71		RT Price Volatility Make Whole Payment	N/A	N/A		
72 73	555.28	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	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		
70		RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
76	EEE CA	RT Ramp Product			1	
76 77 78	000.04		N/A	N/A		
76 77 78 79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
76 77 78 79 80	555.65 555.55	RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
76 77 78 79 80 81 82	555.65 555.55 555.56 555.05	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A N/A	N/A N/A N/A N/A		
76 77 78 79 80 81 82 83	555.65 555.55 555.56 555.05 555.06	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A N/A N/A	N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85	555.65 555.55 555.05 555.06 555.22	RT ASM Non-Excessive Energy Amount*** TASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86	555.65 555.55 555.05 555.06 555.22	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 83 83 83 83 83 83 83 85 86 87	555.65 555.55 555.05 555.06 555.22	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 80 81 82 83 84 85 84 85 86 87 88 88 89	555.65 555.55 555.56 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 88 89 90	555.65 555.55 555.06 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 80 81 82 83 84 85 86 87 88 87 88 89 90 91	555.65 555.55 555.06 555.06 555.22 555.23 555.23 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount***	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 80 81 82 83 84 85 86 87 88 88 88 89 90 91 92 93	555.65 555.56 555.06 555.06 555.22 555.23 555.23 555.23 555.23 555.19 555.03 555.03	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount***	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 80 81 82 83 84 85 86 87 88 86 87 88 89 90 91 92 93 94	555.65 555.56 555.06 555.06 555.22 555.23 555.23 555.23 555.19 555.19 555.03 555.03	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount***	NA NA NA NA NA NA NA NA NA NA NA	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94 95	555.65 555.56 555.06 555.06 555.22 555.23 555.23 555.19 555.03 555.09 555.02	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount** RT Asset Energy Amount** RT Non-Asset Energy Amount** RT Non-Asset Energy Amount Distribution Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94 95 96 97	555.65 555.56 555.56 555.56 555.06 555.02 555.23 555.23 555.02 555.03 555.02 555.10 555.10	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount** RT Non-Asset Energy Amount** RT Non-Asset Energy Amount** RT Man-Asset Energy Amount RT Aske-Whole-Payment Distribution Amount RT Revence Sufficiency Cuarantee Distribution Amount RT Revence Sufficiency Cuarantee Distribution Amount	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N		
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76 77 78 79 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94 95 96 97	555.65 555.56 555.56 555.05 555.05 555.05 555.05 555.02 555.19 555.02 555.02 555.02 555.1 555.02 555.1 555.18 555.15 555.18 555.15 5555	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Asset Energy Amount*** DA Montaset Energy Amount*** DA Montaset Energy Amount*** RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N		
76 77 78 80 81 82 83 84 85 86 86 86 87 88 87 90 91 91 93 94 92 93 94 95 96 97 97 97 98 99 90 101	555.65 555.55 555.56 555.56 555.06 555.06 555.06 555.22 555.23 555.09 555.09 555.09 555.09 555.02 555.19 555.19 555.55 555.15 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** RT Non-Asset Energy Amount*** RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Neutrality Upift Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Daym Birtibution Amount DA Regulation-Daym Birtibution Amount DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
76 77 78 80 80 81 82 83 84 85 86 86 87 88 88 89 90 91 92 93 94 95 95 96 97 97 98 99 9100 100	555.65 555.56 555.56 555.56 555.06 555.06 555.02 555.23 555.19 555.19 555.03 555.03 555.03 555.02 555.15 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Norn-asset Energy Amount*** RT Asset Energy Amount*** DA More Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Make-Whole-Payment Distribution Amount RT Revenue Nafflexibution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Nafflexibution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
76 77 78 80 81 82 83 84 85 85 86 87 85 86 87 90 91 92 92 93 93 94 95 94 95 96 97 98 99 100 100 1002 1002	555.65 555.56 555.56 555.56 555.06 555.06 555.02 555.23 555.23 555.09 555.09 555.09 555.09 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.06 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** T I Non-Asset Energy Amount*** DA Non-asset Energy Amount*** RT Kon-Asset Energy Amount*** RT Kon-Asset Energy Amount*** RT Kon-Asset Energy Amount*** RT Kon-Asset Energy Amount*** RT Kon-energy Amount*** RT Revenue Nafficiency Guarantee Distribution Amount RT Revenue Nafficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Cortingency Reserve Deployment Failure Amount RT Over-Solected Losses Distribution Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
76 77 78 79 81 82 83 84 85 86 87 90 91 92 93 94 95 96 97 98 99 100 101 102 103 1045	555.65 555.55 555.55 555.55 555.05 555.05 555.23 555.23 555.23 555.03 555.03 555.03 555.03 555.03 555.04 555.04 555.04 555.04 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 555.05 555.04 555.05 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Mark-Whole-Payment Distribution Amount RT Reserve Sufficiency Guarantee Distribution Amount RT Revence Sufficiency Guarantee Distribution Amount DA Regulation-Up Distribution Amount DA Spirning Reserve Distribution Amount DA Spirning Reserve Distribution Amount RT Contingency Destribution Amount RT Contingency Destribution Amount RT Requental Reserve Distribution Amount RT Contingency Destribution Amount RT Revence Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Contingency Destribution Amount RT Reserve Distribution Amount RT Revence Reserve Distribution Amount RT Contingency Destribution Amount RT Contingency Reserve Distribution Amount RT Contingency Destribution Amount RT Contingency Destribution Amount RT Contingency Reserve Distribution Amount RT Contingency Down Distribution Amount	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	NA		
76 77 78 79 80 81 82 83 84 85 86 87 99 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105	555.65 555.55 555.55 555.56 555.06 555.06 555.06 555.22 555.23 555.19 555.03 555.05 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Alon-asset Energy Amount*** DA Alon-asset Energy Amount*** Thor-Asset Energy Amount*** DA Mon-asset Energy Amount*** DA Mon-asset Energy Amount*** DA Mon-asset Energy Amount*** DA Mon-asset Energy Amount*** Thor-Asset Energy Amount*** DA Mon-asset Energy Amount*** DA Mack-Whole Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Cover-Octucal Losses Distribution Amount RT Cover-Octucal Losses Distribution Amount RT Requestion Non-Performance Distribution Amount RT Requestion Down Distribution Amount RT Requestion Down Distribution Amount RT Reputation Dation Distribution Amount RT Reputation Dation Distribution Amount RT Reputation Damount RT Reputation Reserve Distribution Amount RT Reputation	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
76 77 77 80 80 81 82 83 84 84 84 85 86 87 88 84 87 88 90 91 92 93 94 95 94 97 97 88 91 102 103 104 105	555.65 555.55 555.55 555.56 555.06 555.06 555.03 555.13 555.13 555.13 555.15 555.15 555.15 555.05 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Non-Asset Energy Amount RT Non-Asset Energy Amount RT Non-Asset Energy Amount RT Revense Nafficient Statution Amount RT Revense Sufficiency Guarantee Distribution Amount RT Revense Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount RT CorrEcted Losses Distribution Amount RT Corrected Losses Distribution Amount RT Revense Distribution Amount RT Cover Celet Losses Distribution Amount RT Requestion Non-Performance RT Revense Distribution Amount RT Requestion Non-Performance RT Sepining Reserve Distribution Amount RT Sepining Reserve Distribution Amount RT Requestion Down Performance RT Sepining Reserve Distribution Amount RT Sepining Reserve Distribution Amount RT Sepining Reserve Distribution Amount RT Requestion Down Performance RT Sepining Reserve Distribution Amount RT Sepining Reserve Distribution Amount RT Sepining Reserve Distribution Amount RT Requestion Down Performance RT Sepining Reserve Distribution Amount RT Reputation DAMOUNT RT Reputation DAMOUNT RT Reputation RU Sepin	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
76 77 78 79 78 80 81 82 83 84 85 86 87 88 88 86 87 90 91 92 93 94 95 96 97 99 99 91 101 102 103 104 105 106 107 108	555.65 555.55 555.55 555.56 555.06 555.06 555.23 555.23 555.23 555.23 555.23 555.23 555.06 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** RT Asset Energy Amount*** DA Make-Whole-Payment Distribution Amount RT Reserve Exofficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Requestion-Down Distribution Amount RT Reputation-Down Distribution Amount RT Reputation-Distribution Amount RT Reputation-Distribution Amount RT Supplemental Reserve Distribution Amount RT Reputation-Distribution Amount RT Reputation-Distribution Amount RT Reputation-Distribution Amount RT Supplemental Reserve Distribution Amount RT Supplemental Reserve Distribution Amo	N/A N/A	NA		
76 77 77 79 81 82 83 84 84 85 84 88 88 88 88 89 90 91 93 99 99 99 99 90 90 91 101 102 103 104 106 108	555.65 555.55 555.56 555.56 555.06 555.06 555.06 555.02 555.13 555.13 555.13 555.15 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount RT Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Mon-Asset Energy Amount AT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Revence Note Pathetic Amount RT Revence Sufficiency Guarantee Distribution Amount RT Revence Sufficiency Guarantee Distribution Amount DA Supplemental Reserve Distribution Amount RT Corrected Losses Distribution Amount RT Requisition Romert RT RT Aguation Kons-Performance Distribution Amount RT Requestion Non-Performance Distribution Amount RT Requestion Non-Performance Distribution Amount RT Requestion Non-Performance Distribution Amount RT Reserve Distribution Amount RT Reputation Down Distribution Amount RT Requestion Non-Performance Distribution Amount RT Requestion Non-Performance Distribution Amount RT Requestion Non-Performance Distribution Amount RT Signing Reserve Distribution Amount RT Spinning Reserve Distribution Amount	N/A	NA NA		
76 77 78 79 80 81 82 83 84 85 84 85 88 89 90 91 92 93 94 95 96 97 98 99 90 101 102 105 105 105 106 107 110	555.65 555.55 555.56 555.56 555.06 555.06 555.02 555.03 555.03 555.03 555.03 555.03 555.03 555.03 555.05 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Asset Energy Amount*** RT Non-Assat Energy Amount*** RT Mon-Assat Energy Amount*** RT Asset Lengy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Mon-Assat Energy Amount RT Asset Energy Amount*** RT Revense Sufficiency Guarantee Distribution Amount RT Revense Neutrally Upit Distribution Amount DA Regulation-Dup Distribution Amount DA Supplemental Reserve Distribution Amount RT Over-Colet Losses Distribution Amount RT Regulation-Dum Distribution Amount RT Regulation-Dum Distribution Amount RT Regulation-Dum Distribution Amount RT Corter Colet Losses Distribution Amount RT Regulation-Dum Distribution Amount RT Generate Distribution Amount RT Regulation-Dum Amount RT Reserve Distribution Amount RT Regulation-Dum Amount RT Regulation-Dum Amount RT Regulation Common Reserve Distribution Amount RT Regulation-Dum Distribution Amount RT Regulation-Dum Amount RT Regulation-Amount RT Regulati	N/A	NA NA		
76 77 78 79 79 80 79 80 81 82 83 83 85 85 86 87 90 99 93 94 95 96 97 97 100 101 102 103 104 1105 106 106 106 106 106 106 106 106 106 106	555.65 555.55 555.55 555.56 555.06 555.06 555.23 555.23 555.23 555.23 555.23 555.23 555.23 555.23 555.25 555.25 555.13 555.14 555.14 555.15 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** DA Mon-Energy Amount*** RT Non-Asset Energy Amount*** DA Make-Whole-Payment Distribution Amount RT Revence Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Over-Collected Losses Distribution Amount RT Requeation-Down Distribution Amount RT Requeation-Distribution Amount RT Reputation-Distribution Amount RT Reputation-	N/A N/A	NA NA		
76 77 78 79 80 79 80 81 82 83 84 85 86 89 91 91 94 95 93 94 95 97 97 97 98 99 91 100 102 103 102 103 104 105 107 111 113 113 114	555.65 555.55 555.56 555.56 555.66 555.06 555.06 555.02 555.03 555.03 555.03 555.03 555.03 555.03 555.05 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Asset Energy Amount*** RT Mon-Asset Energy Amount*** RT Mon-Asset Energy Amount*** RT Revenues Nutrailly Upit Distribution Amount RT Revenues Nutrailly Upit Distribution Amount RT Revenue Nutrailly Upit Distribution Amount DA Regulation-Dup Distribution Amount DA Supplemental Reserve Distribution Amount RT Corre-Colet Losses Distribution Amount RT Requestion Non-Performance Distribution Amount RT Requestion Non-Performance Distribution Amount RT Regulation-Dup Market Notion Amount RT Regulation-Amount	N/A	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
76 77 78 80 81 82 83 84 85 86 87 88 85 86 87 88 87 88 89 99 91 91 93 93 93 93 94 95 97 97 97 99 99 97 100 110 102 103 104 110 104 110 1112 1111 1111 1111111111	555.65 555.55 555.56 555.56 555.66 555.06 555.06 555.02 555.19 555.19 555.03 555.03 555.03 555.03 555.05 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges DA Asset Energy Amount RT Asset Energy Amount*** DA Asset Energy Amount*** RT Non-Asset Energy Amount RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Reserves Distribution Amount RT Revenue Shifticher Guarantee Distribution Amount RT Revenue Shifticher Guarantee Distribution Amount DA Regulation-Dave Distribution Amount DA Supplemental Reserve Distribution Amount RT Revenue Distribution Amount	N/A N/A	NA NA		
76 77 77 78 79 80 81 82 83 84 85 86 87 90 91 92 93 94 95 96 97 98 99 96 97 100 101 102 103 106 106 101 107 108 111 113 114 115 115 116	555.65 555.55 555.55 555.56 555.56 555.06 555.23 555.23 555.23 555.23 555.23 555.09 555.03 555.03 555.03 555.03 555.03 555.13 555.14 555.13 555.14 555.13 555.14 555.15 555.13 555.14 555.13 555.14 555.15 555.23 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** DA Non-asset Energy Amount*** DA Mone-Payment Distribution Amount RT Asset Energy Amount*** DA Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Revenue Sufficiency Elsithution Amount DA Supplemental Reserve Distribution Amount RT Regulation-Down Distribution Amount RT Revenue Distribution Amount RT Revenue Distribution Amount RT Revenue Distribution Amount RT Revenue Destribution Amount RT Revenue Destribution Amount RT Revenue Distribution Amount RT Septiming Reserve Distribution Amount RT Revenue Distribution Amount RT Septient Distribution Amount RT Septient Distribution Amount RT Septient Distribution Amount RT Septient Distribution Amount RT Revenue Distribution Amount RT Septient Distribution Amou	N/A N/A	NA NA		New charge type in 2022
76 77 78 80 81 82 83 84 85 86 87 88 85 86 87 88 87 88 89 90 91 91 93 93 93 93 94 95 97 97 97 99 97 97 97 100 1100 1100 1100	555.65 555.55 555.55 555.56 555.06 555.05 555.02 555.23 555.23 555.23 555.03 555.02 555.02 555.02 555.02 555.02 555.03 555.02 555.13 555.14 555.15 555.15 555.25 55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges DA Asset Energy Amount RT Asset Energy Amount*** DA Asset Energy Amount*** RT Non-Asset Energy Amount RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Reserves Distribution Amount RT Revenue Shifticher Guarantee Distribution Amount RT Revenue Shifticher Guarantee Distribution Amount DA Regulation-Dave Distribution Amount DA Supplemental Reserve Distribution Amount RT Revenue Distribution Amount	N/A N/A	NA NA		New charge type in 2022 New charge type in 2022

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121	EEE 26	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
121		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	1	New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Violatily Amount	N/A	N/A		
125	333.21	Total SPP Wholesale Market Charges	DVA	19/3		
126		Total of T Wholesale Market onarges				
127		MISO ASM				
127		Day Ahead Regulation Amount	N/A	N/A		
120		Real Time Regulation Amount	N/A	N/A		
129		Regulation Cost Distribution Amount	N/A	N/A		
130		Day Ahead Short-Term Reserve Amount	N/A	N/A		
131		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		
140		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	DVA	19/3		
145						
146		Total Wholesale Market Charges				
147		Total Wholesale Market onarges				
148						
149	Purchas	sed Power				
150	i urcha.		[PROTECTED DA	TA REGINS		
151		Edgeley PPA	INGIEGIED DA	TA DEGINO		
152		Lanodon PPA	-			
153		Ashtabula III PPA	-			
154		Tribal (WAPA)	-			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	-			Not Applicable to EAR - Excluded Iron Total
156		Shared Loads	-			
157		Small Co-gen	-			
158		Bilateral purchases	-			
159		Market Purchases	-			MISO and SPP Energy Only
160		Market Fulchases		PROTECTED		NICO and Of 1 Energy Only
161		Total Purchases	\$ 34.86			Tribal (WAPA) excluded from Total
162			φ 04.00	÷ 5.01		hibai (WAI A) excluded itoin Totai
163	Wind C	urtailment	\$ 39.22	\$ 39.22		
163	wind C	מונמוווויפוונ	φ 39.22	ə 39.22		
165	Acco+ D	ased Sales	\$ 55.85	\$ 31.10		
100	MOOUL D	ason valos	y 00.00	y 31.10		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166		Fuel Costs	N/A	N/A		Fuel Cost Mivin and Margin MiviH are not separated - Need to compare total Asset Based Sales
100		ruei cusis	IN/A	IN/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
407		Asset Deced Mercine				Fuel Cost Mivin and Margin MiviH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	t t	Daseu Jaies
168	<u></u>					
169	Steam I	Plant Reagents	N/A	N/A	t t	Effective July 2022 - Docket No. E017/GR-20-719
170		Matan Aatan	N 1/A	N 1/A		
	Steam/	Water Sales	N/A	N/A	E	Effective July 2022 - Docket No. E017/GR-20-719
				N/A	L .	F/()
172	Diama i					Effective June 2022
172 173	Plannin	g Resource Auction Revenues	N/A	IN/A		
172		g Resource Auction Revenues rstem - Plant Level	N/A \$ 19.94			Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

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-			June 20 June 2023	23 Forecast to Actu	ial - Expense (F	Revenue)	
1.547	Dia -1 C	eneration	Forecast	June 2023 Actual			Notes
Line 1		eneration Big Stone	[PROTECTED DA	TA BEGINS			
2		Coyote					
3		Hoot Lake #2 Hoot Lake #3	-	1			Hoot Lake plant closed in May 2021
5		Tables				ED DATA ENDS]	
6 7		Total Coal	\$ 4,506,171 [PROTECTED DA		\$ (661,614)	-14.68%	
8		Langdon Wind	-				
9		Ashtabula Wind Luverne Wind	•				
11		Merricourt					
12 13		Total Wind	s -	s -	PROTECT	ED DATA ENDS] 0	
14							
15 16		Total Hydro	\$ - [PROTECTED DA	\$ - TA BEGINS	ş -	0	
17		Jamestown 1					
18 19		Jamestown 2 Lake Preston	-				
20 21			s -	\$ 2,794	PROTECT	ED DATA ENDS] 0	
21		Total Oil - Peaking Units	PROTECTED DA		\$ 2,794	0	
23		Natural gas - Solway	-				
24 25		Natural gas - Astoria			PROTECT	ED DATA ENDS	
26		Total Natural Gas	\$ 1,404,110	\$ 2,080,387	\$ 676,277	48.16%	
27 28		Solar - Blue Jay	[PROTECTED DA	TA BEGINS			
29		Solar - Blue Heron	-				
30 31		Solar - Hoot Lake	1		PROTECT	ED DATA ENDS]	
32		Total Solar	ş -	\$-	\$ -	0	
33 34		Total OTP-Owned	\$ 5,910,281	\$ 5,927,739	\$ 17,457	0.30%	
35			.,	.,	,		
36 37		ale Market Charges MISO Wholesale Market Charges			-		
38	555.02	DA Asset Energy Amount***		\$ -	ş -		Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***		\$ -	\$ · \$ ·	0	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42 43		RT FBT Loss Amount	\$ (192,774) \$ -	\$ (249,853) \$ -	\$ (57,080) \$ -	29.61%	
44		DA Loss Amount	\$ 507,481	\$ 588,101	\$ 80,619	15.89%	
45 46		RT Loss Amount RT Non-Asset Energy Amount***	\$ 32,418 \$ -		\$ (32,028) \$ -	-98.79%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	-	\$ -	\$-	0	
48 49		DA Virtual Energy Amount RT Virtual Energy Amount	s -	\$ -	\$ - \$ -	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 52		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 10,024 \$ 2,763				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54 55		DA Congestion RT FBT Congestion Amount	\$ 377,359 \$ -		\$ 1,924,221 \$ -	509.92% 0	
56		RT Congestion	\$ 30,837	\$ 180,579	\$ 149,742	485.59%	
57 58		FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ (639,274) \$ (18,352)		\$ (1,716,053) \$ (78,041)	268.44% 425.24%	
59	555.17	FTR Yearly Allocation Amount	\$-	\$ -	\$	0	
60 61	555.35	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ - \$ (36,414)	\$ - \$ (102,854)	\$ - \$ (66,441)	0 182.46%	
62	555.37	FTR Guarantee Uplift Amount	\$ 36,951	\$ 94,741	\$ 57,789	156.39%	
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (1,331,094) \$ 1,321,981		\$ (2,582,164) \$ 2,236,413	193.99% 169.17%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,167	\$ 2,328	\$ (6,839)	-74.60%	
66 67	555.41 555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ (50,408) \$ -	\$ (197,430) \$ -	\$ (147,022) \$ -	291.66%	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 6,697	\$ 5,188	\$ (1,510)	-22.54%	
69 70	555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (18,782) \$ 61,051	\$ (1,253) \$ 10,299		-93.33% -83.13%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (53,831)	\$ -	\$ 53,831	-100.00%	
72 73		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (36,614) \$ 110,172			53.28%	
74	555.25	RT Misc Amount	\$ 6,224	\$ (25,074)	\$ (31,299)	-502.85%	
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ (2,816) \$ -	\$ (677) \$ -	\$ 2,139 \$ -	-75.96%	
77	555.59	RT Demand Response Allocation Uplift Amount	\$ 13,993	\$ 14	\$ (13,978)	-99.90%	
78 79		DA Ramp Product RT Ramp Product	\$ (1,738) \$ 73			170.68%	
80	555.65	RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 19,641	\$ 12,374	170.27%	
81 82	555.55 555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***		\$- \$-	• •	0	
83	555.05	DA Congestion Rebate on COGA	\$-	\$ -	\$-	0	
84 85		DA Losses Rebate on COGA	\$-	\$ -			
86						0	
	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	· ·	\$- \$-	s . s	0	
87	555.22	RT Congestion Rebate on COGA	· ·	\$-	s . s	0	
87 88 89	555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$ - \$ -	\$ - \$ - \$ (4,322)	s . s	0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
87 88 89 90	555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges	\$ - \$ -	\$ - \$ - \$ (4,322)	\$ - \$ - \$ (4,322)	0 0 0	
87 88 89 90 91 92	555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges DA Asset Energy Amount**	\$ - \$ - \$ - \$ 139,576	\$ - \$ - \$ (4,322) \$ (144,755) \$ -	\$ - \$ - \$ (4,322) \$ (284,331) \$ -	0 0 -203.71%	
87 88 89 90 91 92 93	555.23 555.19 555.03	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (4,322) \$ (144,755) \$ - \$ - \$ -	\$ - \$. \$ (4,322) \$ (284,331) \$. \$. \$.	0 0 -203.71%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95	555.23 555.19 555.03 555.09 555.00	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount	\$ \$ \$ 139,576 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ - \$ (4,322) \$ (144,755) \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (4,322) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ -	0 0 -203.71% 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96	555.23 555.19 555.03 555.09 555.00 555.02	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$ \$ 139,576 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5	\$ - \$ - \$ (4,322) \$ (144,755) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (4,322) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 -203.71% 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98	555.23 555.19 555.03 555.00 555.00 555.00 555.10 555.18	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount DA Non-asset Energy Amount DA Non-asset Energy Amount RT Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Mervenus Sufficiency Cuarantee Distribution Amount	\$ - \$ - - - - - - - - - - - - -	\$ - \$ (4,322) \$ (144,756) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (4,322) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98 99	555.23 555.19 555.03 555.09 555.02 555.02 555.18 555.18	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$ \$ 139,576 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ - \$ (4,322) \$ (144,755) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ (4,322) \$ (284,331) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 97 98 99 99 100 101	555.23 555.19 555.09 555.09 555.00 555.00 555.10 555.10 555.15 555.05	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Nor-asset Energy Amount*** RT Nor-Asset Energy Amount*** RT Norh-Set Energy Amount** RT Norh-Set Energy Amount** RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount	\$ \$ 3 3 5 5 5 5 5 5 5 5	\$ - \$ (4,322) \$ (144,755) \$ (144,755) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ (4,322) \$ (284,331) \$ (284,331) \$ (284,331) \$ -	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 93 94 95 96 97 96 97 98 99 100 101 102	555.23 555.19 555.03 555.00 555.02 555.00 555.18 555.18 555.04 555.04 555.04	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount ^{***} DA Non-asset Energy Amount RT Asset Energy Amount ^{***} RT Non-Asset Energy Amount DA Muse Whole-Payment Distribution Amount RT Marke-Whole-Payment Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount DA Regulation-Dewn Distribution Amount DA Regulation-Dewn Distribution Amount DA Regulation-Dewn Distribution Amount DA Spinning Reserve Distribution Amount	\$ \$ \$ \$ 139,576 \$ 139,576 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ - \$ - \$ (4,322) \$ (144,755) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (4.322) \$ (284,331) \$ (284,331) \$ (284,331) \$ (284,331) \$ (183) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 97 98 99 100 101 102 103 104	555.23 555.19 555.03 555.09 555.09 555.09 555.02 555.18 555.15 555.04 555.05 555.06 555.06 555.08	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount*** DA Mon-asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Spinning Reserve Distribution Amount DA Spinning Reserve Distribution Amount RT Contingency Reserve Distribution Amount	\$. \$. \$ 139,576 \$.	\$ - \$ - \$ (144,755) \$ - \$ 0 \$ -	\$ - \$ (4.322) \$ (284,331) \$ (284,331) \$ (284,331) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 97 97 98 99 100 101 102 103 104 105	555.23 555.519 555.03 555.03 555.02 555.10 555.12 555.15 555.04 555.05 555.07 555.07 555.08 555.08	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Asset Energy Amount**** RT Asset Energy Amount**** RT Market Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Dup Distribution Amount DA Regulation-Dup Distribution Amount DA Supplemental Reserve Distribution Amount RT Cover-Collected Losses Distribution Amount RT Over-Collected Losses Distribution Amount RT Over-Collected Losses Distribution Amount RT Over-Collected Losses Distribution Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ - \$ - \$ (144,755) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (4,322) \$ (284,331) \$ (284,331) \$ (284,331) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 0 203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 97 98 99 100 101 102 103 104	555.23 555.23 555.19 555.03 555.00 555.00 555.00 555.15 555.04 555.05 555.05 555.06 555.07 555.08 555.07 555.08 555.07 555.08 555.01 555.08 555.01 555.08 555.01 555.08 555.01 555.08 555.01 555.08 555.01 555.08 555.01 555.08 555.08 555.08 555.08 555.08 555.09 555.09 555.09 555.09 555.09 555.09 555.00 555.09 555.00	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount*** DA Mon-asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Spinning Reserve Distribution Amount DA Spinning Reserve Distribution Amount RT Contingency Reserve Distribution Amount	\$. \$. \$ 139,576 \$.	\$ - \$ - \$ (144,755) \$ -	\$ - \$ (4.322) \$ (284,331) \$ (284,331) \$ (284,331) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108	555.23 555.19 555.09 555.00 555.00 555.00 555.02 555.04 555.04 555.05 555.04 555.05 555.04 555.05 555.04 555.05 55	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** T Non-Asset Energy Amount*** DA Mone State Energy Amount*** DA Mone State Energy Amount*** RT Non-Asset Energy Amount*** DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Spinning Reserve Distribution Amount RT Contingency Down Statibution Amount RT Regulation-Down Distribution Amount RT Regulation Down Distribution Amount RT Regulation Down Distribution Amount RT Regulation Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Up Distribution Amount RT Regulation-	\$ - \$ - \$ 139,576 \$ - </td <td>§ - \$ - \$ (144,755) \$ -</td> <td>§ . \$.</td> <td>0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases</td>	§ - \$ - \$ (144,755) \$ -	§ . \$.	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107	555.23 555.19 555.03 555.03 555.03 555.05 555.04 555.15 555.04 555.15 555.07 555.05	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount The Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Reverue Sufficient Statution Amount DA Regulation-Our Distribution Amount DA Supplemental Reserve Distribution Amount RT Cover-Colected Losses Distribution Amount RT Asset Energy Reserve Distribution Amount RT Cover-Colected Losses Distribution Amount RT Request Distribution Amount RT Regulation-Devn Distribution Amount RT Cover-Colected Losses Distribution Amount RT Regulation-Devn Distribution Amount RT Regulation-Reserve Distribution Amount RT Regulation-Reserve Di	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	§ - \$ - \$ (144,755) \$ -	\$. \$ (4,322) \$ (284,331) \$ (284,331) \$.	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98 97 98 97 98 97 98 100 101 102 103 104 105 106 107 108 109 110 111	555.23 555.19 555.09 555.00 55	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount The Asset Energy Amount RT Asset Energy Amount AT Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Asset Energy Distribution Amount RT Request Polistribution Amount RT Request Colores Distribution Amount RT Cover-Colected Losses Distribution Amount RT R egulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT R egulation Ano-Performance Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Amount RT Regulation Amount RT Regulation Common Amount RT Reg	\$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	§ . § .	0 0 0 203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110	555.23 555.19 555.03 555.09 555.00 555.02 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.12 555.13 555.14 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.05 555.15	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount DA Non-asset Energy Amount TA Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Down Performance Distribution Amount RT Regulation Down Performance Distribution Amount RT Regulation Up Distribution Amount RT Regulation Hourbert Bistribution Amount RT Regulation Hourbert Bistribution Amount RT Regulation Hareserve Distribution Amount RT Regulation Reserve Dis	\$ - \$ - \$ 139,576 \$ - >> - <td>\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -</td> <td>§ . \$.</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases</td>	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	§ . \$.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114	555.23 555.19 555.03 555.03 555.03 555.03 555.03 555.04 555.15 555.10 555.15 555.25	RT Congestion Rebate on COGA Ret Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Non-Asset Energy Amount*** DA Nake-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Over-Cellect Losses Deloxment Falure Amount RT Regulation-Down Distribution Amount RT Supplemental Reserve Distribut	\$ - \$ - \$ 139,576 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ 183 \$ - \$ 111 \$ 24 \$ 3 \$ (00) \$ (00) \$ (00) \$ (00) \$ (00) \$ (00) \$ (00) \$ (00) \$ (00) \$ (00) >\$ (22,263)	\$ - \$ - \$ - \$ (144,755) \$ - > - <td>§ . \$. . \$. . \$. . . \$. . . \$. . .</td> <td>0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases</td>	§ . \$. . \$. . \$. . . \$. . . \$. . .	0 0 0 -203.71% 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95 96 97 98 99 100 101 102 103 106 107 108 109 110 111 1112 113 114 115	555.23 555.19 555.19 555.09 555.09 555.00 555.00 555.00 555.10 555.10 555.15 555.05 555.05 555.05 555.15 555.25	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount TAsset Energy Amount RT Asset Energy Amount AT Asset Energy Amount RT Merey Amount RT Merey Amount RT Merey Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Upilf Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount RT Cover-Colected Losses Distribution Amount RT Regulation-Down Amount RT Regulation Amount RT Spinning Reserve Distribution Amount RT Spinning Reserve Distribution Amount RT Regulation-Down Distribution Amount RT Spinning Congestion Amount RT Spinning Congestion Amount RT Spinning Congestion Amount RT Spinning Reserve Distribution	\$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	§ . § .	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 94 94 95 96 99 99 90 00 0101 102 103 104 105 106 107 108 100 111 1112 113	555.23 555.19 555.19 555.09 555.09 555.00 555.00 555.00 555.10 555.15 555.04 555.15 555.04 555.15 555.25	RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount TA asset Energy Amount RT Asset Energy Amount AT Asset Energy Amount RT Mererus Amount*** RT Non-Asset Energy Amount Distribution Amount RT Mererus Relification Distribution Amount RT Revenus Stifbiology Distribution Amount RT Revenus Stifbiology Distribution Amount DA Supplemental Reserve Distribution Amount RT Revenus Distribution Amount RT Regulation-Down Distribution Amount RT Spinning Reserve Distribution Amount RT Spinning Congestion Amount RT Spinning Congestion Amount RT P Seudo Tie Congestion Amount RT P Seudo Tie Congestion Amount RT P Seudo Tie Loss Amount ARR Closeout Yearly Amount RT Comercial Reverse Distribution Amount RT P Command Reverse Distribution Amount RT P Seudo Tie Loss Amount ARR Closeout Yearly Amount RT Comercial Reverse Distribution Amount RT Schedule 114 Amount RT Schedule 114 Amount RT Schedule 114 Amount	\$. \$.	§ - § - § - § - S - S - S - S - S - S - S - S - S - S - S - S - S 00 S - S 5.0.035 S - S - S - S - S - S - S - S 00 S	§ . § .	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94 95 96 97 98 99 9100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116	555.23 555.19 555.09 555.00 555.20	RT Congestion Rebate on COGA Ret Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** RT Asset Energy Amount*** RT Nor-Asset Strategy Energy Amount*** RT Nor-Asset Strategy Energy Amount*** RT Nor-Asset Strategy Energy Amount*** RT Nor-Asset Strategy Energy Amount*** RT Nor-Asset Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Order-Collect Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Up Distribution Amount RT Regulation-Distribution Amount RT Reserve Distribution Amount RT R Discould I Loss Amount RT Schedule I Loss Amount RT Schedule I A Amount	\$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$ 183 \$. \$ 11 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$. \$.	§ - \$ - \$ (4.322) \$ (144,755) \$ - \$	§ . § .	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases

 102.

 -1705.69%

 -121.70%

 -121.70%

 257.65%

 -100.07%

 -100.87%

 -100.87%

 -0

 0

 New charge type in 2022

 0

 0

 New charge type in 2022

 0

 555.20
 IRT Pseudo Tie Congestion Amount

 555.21
 IRT Steadu Tie Loss Amount

 555.26
 IRT Steadu Tie Loss Amount

 555.26
 IRT Demard Reduction Distribution Amount

 555.28
 IRT Demard Reduction Distribution Amount

 555.30
 IRT Schedule 1A3 Amount

 555.31
 IDA Ramp Dup Distribution Amount

 555.32
 IDA Ramp Dup Distribution Amount

 555.33
 IRT Ramp Non Performance Distribution Amount
 (70,072) \$ (22,263) \$ (77) \$ (78,140) \$ (0) \$ (78,140) \$ 1 \$ 6 \$ - \$ - \$ - \$ - \$ 0 (1) (6) (0) - \$ (0) \$ (0) \$ (0) \$ - \$ - \$

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEDGED) DATA HAS BEEN EXCISED Docket No. E017/A-22-214 Attachment 3 Page 32 of 78

121	EEE 24	RT Ramp Up Distribution Amount	\$	-	\$-	\$	-	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$	-	\$ - \$ -	\$			New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$) \$	(10)	-99.14%	
123		DA GFA Carve Out Distribution Deployment Daily Amount	ş		\$ -		(10)	-100.00%	
124		DA GFA Carve Out Distribution Deployment Wonthly Amount	ŝ	(26)		7) \$	(201)	778.10%	
125	555.27	Total SPP Wholesale Market Charges		(209,641)			(19,787)	9.44%	
126		Total SPP wholesale warket Charges	Þ	(209,641)	\$ (229,42	<u>)</u> >	(19,707)	9.44%	
127		MISO ASM				_			
128		Day Ahead Regulation Amount	\$	(35,602)	\$ (58,31		(22,709)	63.79%	
129		Real Time Regulation Amount	л 5	(1,333)			(2,252)	168.94%	
130		Regulation Cost Distribution Amount	э \$	15,632			(743)	-4.75%	
			э \$					-4.75%	
132 133		Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount	э \$	(20,831) 980		7) \$	(23,281) (1,107)	-112.97%	
133		Short-Term Reserve Cost Distribution Amount	э S	960			7,902	87.13%	
134			э \$						
		Day Ahead Spinning Reserve Amount	3	(57,084) 20,440			26,215	-45.92% -89.54%	
136		Real Time Spinning Reserve Amount					(18,301)		
137		Spinning Reserve Cost Distribution Amount	\$ \$	14,388			(1,323)	-9.20% -42.37%	
138		Day Ahead Supplemental Reserve Amount		(41,673)			17,659		
139		Real Time Supplemental Reserve Amount	\$	11,129			(6,294)	-56.55%	
140		Supplemental Reserve Cost Distribution Amount	\$	4,640			(1,522)	-32.81%	
141		Contingency Reserve Deployment Failure Charge Amount	\$		\$ -	\$	(24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,451		7 \$	1,386	56.53%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$		\$ -	\$	-	0	
144	555.49	Net Regulation Adjustment Amount			\$ 2,82		1,385	96.20%	
145 146		Total MISO ASM	ş	(76,330)	\$ (99,34	<u>n</u> >	(23,010)	30.15%	
146		Total Wholesale Market Charges	ŝ	(146,395)	¢ (472.50		(327,129)	223.46%	
147		I otal wholesale Market Charges	\$	(146,395)	\$ (4/3,52	+) \$	(327,129)	223.46%	
						-			
149	Duraha	and Demos							
150	Purchas	sed Power							
150 151			[PRO	TECTED DA	TA BEGINS				
150 151 152		Edgeley PPA	[PRO]	TECTED DA	TA BEGINS				
150 151 152 153		Edgeley PPA Langdon PPA	[PRO]	TECTED DA	TA BEGINS				
150 151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PRO]	TECTED DA	FA BEGINS				Net Analizable in 5AP. Suckeded from Total
150 151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA)	[PRO]	TECTED DA	FA BEGINS	+			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance	[PRO]	TECTED DA	FA BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157		Edgelev PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	[PRO]	TECTED DA	FA BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PR01	TECTED DA	FA BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158 159		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases	[PR01	TECTED DA	FA BEGINS				
150 151 152 153 154 155 156 157 158 159 160		Edgeley PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PRO]	TECTED DA	FA BEGINS		PROTECT	ED DATA ENDSI	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161		Edgelev PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Smarel Loads Smarel Co-gen Bilateral purchases Market Purchases	· · · · · · · · · · · · · · · · · · ·					ED DATA ENDS] -56.14%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	· · · · · · · · · · · · · · · · · · ·	TECTED DA			.PROTECT		
150 151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Langdon PPA Ashtabula II PPA Total (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Market Purchases Total Purchases	· · · · · · · · · · · · · · · · · · ·	5,525,119	\$ 2,423,48	5 \$ ((3,101,634)	-56.14%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164		Edgelev PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Smarel Loads Smarel Co-gen Bilateral purchases Market Purchases	· · · · · · · · · · · · · · · · · · ·		\$ 2,423,48	5 \$ (MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind C	Edgelev PPA Langdon PPA Arbialul II PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases trailment	· · · · · · · · · · · · · · · · · · ·	5,525,119 15,018	\$ 2,423,48 \$ 16.57	5 \$ (3 \$	(3,101,634) 1,560	-56.14% 10.39%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Co Asset B	Edgelev PPA Langdon PPA Ashtabula II PPA Total (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Market Purchases Total Purchases	· · · · · · · · · · · · · · · · · · ·	5,525,119	\$ 2,423,48 \$ 16.57 \$ (678,05	5 \$ (3 \$ 1) \$	(3,101,634)	-56.14% 10.39%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 155 156 157 158 159 160 161 162 163 164 165 166	Wind C	Edgelev PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	\$ \$	5,525,119 15,018 (1,150,597)	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71	5 \$ (3 \$ 1) \$ 4) \$	(3,101,634) 1,560 472,546	-56.14% 10.39% -41.07%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166 167	Wind C	Edgelev PPA Langdon PPA AAhabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Smard Loads Smard Loads Smard Loads Smard Co-gen Biateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	\$ \$	5,525,119 15,018 (1,150,597) (569,467)	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71	5 \$ (3 \$ 1) \$ 4) \$	(3,101,634) 1,560 472,546 37,754	-56.14% 10.39% -41.07% -6.63%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 164 165 166 167 168	Wind C Asset B	Edgelev PPA Langdon PPA AAhabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Smard Loads Smard Loads Smard Loads Smard Co-gen Biateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	ч. 	5,525,119 15,018 (1,150,597) (569,467) (581,129)	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71	5 \$ (3 \$ 1) \$ 1) \$ 7) \$	(3,101,634) 1,560 472,546 37,754	-56.14% 10.39% -41.07% -6.63% -74.82%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind C Asset B	Edgelev PPA Langdon PPA Achabula II PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Asset Salos Fuel Costs Asset Based Margins	• • • • • • • • • • • • • • • • • • •	5,525,119 15,018 (1,150,597) (569,467) (581,129)	\$ 2,423,48 \$ 16.57 \$ (678,05 \$ (531,71 \$ (146,33	5 \$ (3 \$ 1) \$ 1) \$ 7) \$	(3,101,634) 1,560 472,546 37,754 434,792	-56.14% 10.39% -41.07% -6.63% -74.82%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 167 168 169 170	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Achabula II PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Asset Salos Fuel Costs Asset Based Margins	• • • • • • • • • • • • • • • • • • •	5,525,119 15,018 (1,150,597) (569,467) (581,129)	\$ 2,423,48 \$ 16.57 \$ (678.05 \$ (531.71 \$ (146.33 \$ (94,72	5 \$ (3 \$ 1) \$ 1) \$ 1) \$ 2) \$	(3,101,634) 1,560 472,546 37,754 434,792	-56.14% 10.39% -41.07% -6.63% -74.82% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA AAhabuda III PPA Tribail (VAPA) WAPA Energy Imbalance Strard Loads Smart Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Kaset Bases Fuel Costs Asset Based Margins Ke Solar Generation Credit	• • • • • • • • • • • • • • • • • • •	5,525,119 15.018 (1,150,597) (569,467) (581,129) -	\$ 2,423,48 \$ 16.57 \$ (678.05 \$ (531.71 \$ (146.33 \$ (94,72	5 \$ (3 \$ 1) \$ 1) \$ 1) \$ 2) \$	(3,101,634) 1,560 472,546 37,754 434,792 (94,722)	-56.14% 10.39% -41.07% -6.63% -74.82% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind Co Asset B Hoot La Steam F	Edgelev PPA Langdon PPA AAhabuda III PPA Tribail (VAPA) WAPA Energy Imbalance Strard Loads Smart Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Kaset Bases Fuel Costs Asset Based Margins Ke Solar Generation Credit	• • • • • • • • • • • • • • • • • • •	5,525,119 15.018 (1,150,597) (569,467) (581,129) -	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71 \$ (146,33 \$ (94,72 \$ 167,31	5 \$ (3 \$ 1) \$ 4) \$ 7) \$ 2) \$ 9 \$	(3,101,634) 1,560 472,546 37,754 434,792 (94,722)	-56.14% 10.39% -41.07% -6.63% -74.82% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 167 168 169 170 171 172	Wind Co Asset B Hoot La Steam F	Edgelev PPA Langdon PPA Langdon PPA AAbabda III PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents	· · · · · · · · · · · · · · · · · · ·	5,525,119 15,018 (1,150,597) (569,467) (581,129) - - 194,694	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71 \$ (146,33 \$ (94,72 \$ 167,31	5 \$ (3 \$ 1) \$ 4) \$ 7) \$ 2) \$ 9 \$	(3,101,634) 1,560 472,546 37,754 434,792 (94,722) (27,375)	-56.14% 10.39% -41.07% -6.63% -74.82% 0 \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA AAbabda III PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents	· · · · · · · · · · · · · · · · · · ·	5,525,119 15,018 (1,150,597) (569,467) (581,129) - 194,694 (82,446)	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71 \$ (146,33 \$ (94,72 \$ 167,31	5 \$ (3 \$ 1) \$ 4) \$ 7) \$ 2) \$ 9 \$ 9 \$ 0) \$	(3,101,634) 1,560 472,546 37,754 434,792 (94,722) (27,375)	-56.14% 10.39% -41.07% -6.63% -74.82% 0 \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA A Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents Water Sales	\$ \$ \$ \$ \$ \$ \$ \$ \$	5,525,119 15,018 (1,150,597) (569,467) (581,129) - 194,694 (82,446)	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71 \$ (146,33 \$ (94,72 \$ 167,31 \$ (42,45	5 \$ (3 \$ 1) \$ 4) \$ 7) \$ 2) \$ 9 \$ 9 \$ 0) \$	(3,101,634) 1,560 472,546 37,754 434,792 (94,722) (27,375) 39,996	-56.14% 10.39% -41.07% -6.63% -74.82% 0 \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/ Plannin	Edgelev PPA Langdon PPA Langdon PPA A Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilteral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents Water Sales	s s s s s s s s	5,525,119 15,018 (1,150,597) (569,467) (581,129) - 194,694 (82,446)	\$ 2,423,48 \$ 16,57 \$ (678,05 \$ (531,71 \$ (146,33 \$ (94,72 \$ 167,31 \$ (42,45 \$ (210,51	5 \$ (3 \$ 4) \$ 4) \$ 7) \$ 2) \$ 6 \$ 6 \$ 6 \$ 6 \$ 7) \$ 7) \$ 8 \$ 9 \$ 9 \$ 9 \$ 9 \$ 9 \$ 9 \$ 9 \$ 9	(3,101,634) 1,560 472,546 37,754 434,792 (94,722) (27,375) 39,996	-56.14% 10.39% -41.07% -6.63% -74.82% 0 \$ (0) \$ (0) \$ (0) 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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

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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	İ	
140	Real Time Supplemental Reserve Amount	N/A	N/A	İ	
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	IN/A	19/5		
147	Total Miloo Adm				
148	Total Wholesale Market Charges				
149	Total Wholesale Market Onarges				
150					
151	Purchased Power				
152	T dicitased T Owel	IPROTECTED DA			
153	Edaeley PPA	FROIECIEDDA	ATA BEGING		
154	Langdon PPA				
155	Ashtabula III PPA				
156	Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
157	WAPA Energy Imbalance				Not Applicable to EAR - Excluded from Total
157	Shared Loads				
150	Snaled Loads Small Co-gen				
160	Bilateral purchases				
160					N/00
	Market Purchases		PROTECTED		MISO and SPP Energy Only
162				DATAENDS	March 1 (1414-146-14) 1 1 1 1 4 March 1
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
				İ	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
169	Asset Based Margins				Based Sales
170	ribber bubbe margino				
	Steam Plant Reagents	-			Effective July 2022 - Docket No. E017/GR-20-719
		-	-		
171					
171 172					
171 172 173	Steam/Water Sales	-	-		Effective July 2022 - Docket No. E017/GR-20-719
171 172 173 174	Steam/Water Sales				
171 172 173 174 175		•			Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
171 172 173 174	Steam/Water Sales				

Γ			June 2023 Forec	ast to Actual - Exp	ense (Revenue)	
			June 2023			
1.5.5			Forecast [PROTECTED DA	June 2023 Actual		Notes
Line 1		Big Stone	JPROTECTED DA	TA BEGINS		
2		Coyote	-			
3 4		Total Coal	\$ 26.95	PROTECTED \$ 26.63	DATA ENDS]	
5			PROTECTED DA			
6		Langdon Wind	-			
7		Ashtabula Wind Ashtabula III	-			
9		Luverne Wind	-			
10		Merricourt				
11 12		Total Wind	s -	PROTECTED \$ -	DATA ENDS]	
13		Total Wild	Ψ -			
14		Total Hydro	\$ -			
15 16		Jamestown 1	[PROTECTED DA	TA BEGINS		
17		Jamestown 2	_			
18 19		Lake Preston		PROTECTED		
20		Total Oil - Peaking Units	s -	S -	DATA ENDS	
21			[PROTECTED DA	TA BEGINS		
22 23		Natural gas - Solway Natural gas - Astoria	-			
24				PROTECTED	DATA ENDS]	
25		Total Natural Gas				
26 27		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
28		Solar - Blue Heron	-			
29		Solar - Hoot Lake		PROTECTED		
30 31		Total Solar	\$ -	PROTECTED	DATA ENDS]	
32						
33 34		Total OTP-Owned	\$ 59.64	\$ 52.40		
34	Wholesa	le Market Charges				
36		MISO Wholesale Market Charges				
37 38	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	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 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43		DA Loss Amount	N/A	N/A		
44		RT Loss Amount	N/A	N/A		
45 46	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12	DA Virtual Energy Amount	N/A	N/A		
48		RT Virtual Energy Amount	N/A	N/A		
49 50	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount	N/A N/A	N/A N/A		
54	555.2	DA Congestion RT FBT Congestion Amount	N/A	N/A		
55		RT Congestion	N/A	N/A		
56 57	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58		FTR Yearly Allocation Amount	N/A	N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60 61	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63 64	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.40	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	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 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
78	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A		
79 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 83		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	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 87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		Total MISO Wholesale Market Charges				
89 90		SPP Wholesale Market Charges				
90		DA Asset Energy Amount***	N/A	N/A		
92	555.03	DA Non-asset Energy Amount	N/A	N/A		
93 94	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	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 98	555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	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		
101 102		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	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		
105 106	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	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	N/A N/A		
109 110	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
111	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
112 113		Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	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		
116 117		RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	N/A N/A	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 RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120			N/A	N/A	1	New charge type in 2022

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121	FFF OF DT D. D'UNI I' A MARK	N/A	N/A		No. 1
	555.35 RT Ramp Down Distribution Amount				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	N/A N/A		
124 125	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges	N/A	N/A		
125	Total SPP wholesale Market Charges				
126	MISO ASM				
127	Day Ahead Regulation Amount	N/A	N/A		
120	Real Time Regulation Amount	N/A N/A	N/A		
130	Regulation Cost Distribution Amount	N/A N/A	N/A		
130	Day Ahead Short-Term Reserve Amount	N/A N/A	N/A		
132	Real Time Short-Term Reserve Amount	N/A N/A	N/A		
132	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
133	Day Ahead Spinning Reserve Amount	N/A	N/A		
134	Real Time Spinning Reserve Amount	N/A	N/A		
135	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		
140	Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
141	Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143	Net Regulation Adjustment Amount	N/A	N/A		
144	Total MISO ASM	19/75	1975		
145					
146	Total Wholesale Market Charges				
147	rotal Wholobalo Market onalgeo				
148					
149	Purchased Power				
150		IPROTECTED DA	TA 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	\$ 37.72	\$ 11.79		Tribal (WAPA) excluded from Total
162					
163	Wind Curtailment	\$ 39.22	\$ 39.22		
164					
165	Asset Based Sales	\$ 56.81	\$ 29.10		
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166	Fuel Costs	N/A	N/A		Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167	Asset Based Margins	N/A	N/A		Based Sales
168					
169	Steam Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
170					
	Steam/Water Sales	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
171					
171					Effective June 2022
	Planning Resource Auction Revenues	N/A	N/A		
172	Planning Resource Auction Revenues				Eliective June 2022
172 173	Planning Resource Auction Revenues Total System - Plant Level	N/A \$ 23.75			Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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Г			July 20	23 Forecast to Actu	al - Expense //	Revenue)	
	-		July 2023				Natas
Line		eneration	Forecast [PROTECTED DA	July 2023 Actual TA BEGINS			Notes
1		Big Stone Coyote	+				
3		Hoot Lake #2	+				Hoot Lake plant closed in May 2021
4		Hoot Lake #3	+	1	PROTECT	ED DATA ENDS	
6	-	Total Coa		\$ 4,737,045			
7		Langdon Wind	[PROTECTED DA	TA BEGINS		í	
9		Ashtabula Wind	1				
10 11		Luverne Wind Merricourt	+				
12						ED DATA ENDS	
13 14		Total Win	d \$ -	\$ -	ş -	0	<u>/</u>
15		Total Hydro		\$-	ş -	0	1
16 17		Jamestown 1	[PROTECTED DA	TA BEGINS		i	
18		Jamestown 2	1				
19 20		Lake Preston	· · · · ·		PROTECT	ED DATA ENDS]	
21		Total Oil - Peaking Unit		\$ 11	\$ 11	0	
22 23		Natural gas - Solway	[PROTECTED DA	TA BEGINS	1	í.	
24		Natural gas - Astoria			PROTEOT		
25 26		Total Natural Ga	s \$ 3,259,565	\$ 2,632,598	PROTECT \$ (626,967)	ED DATA ENDS] -19.23%	
27			[PROTECTED DA				
28 29		Solar - Blue Jay Solar - Blue Heron	+				
30		Solar - Hoot Lake	-	I	ppozzez		
31 32		Total Sola	ır \$ -	\$ -	PROTECT \$ -	ED DATA ENDS] 0	
33				\$ 7 900 0F1			
34 35		Total OTP-Owner	d \$ 9,351,009	\$ 7,369,654	\$ (1,981,354)	-21.19%	
36		ale Market Charges		ļ			
87 88	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$-	\$-	C	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount		\$ -	\$ -	0	
10 11	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***		\$ -	\$- \$-	0	D Energy Amounts - included/embedded within Market Purchases D Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount RT FBT Loss Amount	\$ (206,937)	\$ (226,680)	\$ (19,743)	9.54%	
43 44		DA Loss Amount	\$ 544,766	\$ 672,014	\$ 127,248	0 23.36%	þ
45 46		RT Loss Amount	\$ 34,800	\$ 5,855	\$ (28,945)	-83.18%	ó
46 47	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -			0	D Energy Amounts - included/embedded within Market Purchases
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount		\$ -	· ·	0	
49 50		DA Mkt Admin Amount	\$ 67,159				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$ 9,185	\$ 8,475	\$ (710)	-7.73%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	\$ 2,858 \$ -	\$ 1,799 \$ -	\$ (1,059) \$ -	-37.05%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion	\$ 405,084		\$ 377,803	93.27%	
55 56		RT FBT Congestion Amount RT Congestion	\$ - \$ 33,103		\$ - \$ (35,165)	-106.23%	
57	555.14	FTR Hourly Allocation Amount	\$ (686,241)			58.72%	
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (19,701) \$ -		\$ (53,496) \$ -	271.55%	
60	555.35	FTR Monthly Transaction Amount			\$ -	0	
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 46,159 \$ (47,540)			-34.05% 3.47%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (1,331,094)	\$ (3,913,258)	\$ (2,582,164)	193.99%	
64 65	555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,321,981 \$ 9,166		\$ 2,236,413 \$ (6,838)	169.17% -74.60%	
66 67	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ (50,289) \$ -		\$ (147,140) \$ -	292.59%	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 7,777		\$ 1,223	15.73%	
69		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (1,120) \$ 61.051			755.24%	3
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 61,051 \$ (53,831)	\$-	\$ 53,831	-75.95%	
72	555.42	RT Price Volatility Make Whole Payment	\$ (36,614)		\$ (84,056)	229.57%	
73 74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 110,172 \$ 6,224	\$ 131,923	\$ 125,698	-43.31% 2019.51%	
75 76		RT Net Inadvertent Amount	\$ (2,816) \$ -		\$ 6,608 \$ -	-234.62%	
7	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ 19,477	\$ 1,198	\$ (18,278)	-93.85%	0
78 79	555.63	DA Ramp Product RT Ramp Product	\$ (3,270) \$ (690)		\$ 182 \$ (3.007)	-5.58% 435.49%	
30	555.65	RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 23,692	\$ 16,425	226.03%	Ó
31 32	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ - \$ -	\$-	\$ -	0	
33	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$	0)
84 85	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ -	\$-	\$ -	0	
36	555.23	RT Loss Rebate on COGA	\$ -	\$-	s -	0	
37 38		Net Congestion and Losses Adjustment & No DA Generation Schedule	\$-	\$ 148,425	\$ 148,425	0	1
39		Total MISO Wholesale Market Charge	s \$ 166,883	\$ (240,951)	\$ (407,834)	-244.38%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91		SPP Wholesale Market Charges	+			<u> </u>	
92	555.19	DA Asset Energy Amount***			s -		Energy Amounts - included/embedded within Market Purchases
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***			ം ം ഗഗ	0) Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$-	\$-	\$-	0	
96 97	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$ - \$ 183		\$ - \$ (183)	-100.00%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$-	\$ -	0	
99 00		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 21 \$ 11		\$ (21) \$ (11)	-100.00%	
D1	555.05	DA Regulation-Up Distribution Amount	\$ 23	\$-	\$ (23)	-100.00%	þ
)2)3		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$ 24 \$ 3		\$ (24) \$ (3)	-100.00% -100.00%	
)4	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$-	\$ 0	-100.00%	0
)5)6		RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (42,310) \$ (0)	\$ (11,842)	\$ 30,467 \$ 0	-72.01% -100.00%	
07	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$-	\$ 0	-100.00%	5
08 09	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)	\$-	\$ 1 \$ 0	-100.00% -100.00%	
10	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$-	\$ 0	-100.00%	0
11	555.20	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	\$ (75,220) \$ (23,898)	\$ 17,600	\$ 92,820	-123.40% -67.10%	5
12 י	555.23	Miscellaneous Amount	\$ (7)	\$-	\$ 7	-100.00%	0
13		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ - \$ (0)		\$ · 0	-100.00%	
13 14	555 20 1	CC Somana Reduction Biatribution Annount	ψ (0)	- -	\$ 0 \$ (1)	-100.00%	
13 14 15 16	555.29	RT Schedule 1A3 Amount	\$ 1				
12 13 14 15 16 17 18	555.29 555.30	RT Schedule 1A4 Amount	\$ 6	\$ -	\$ (6)	-100.00%	5
13 14 15 16 17	555.29 555.30 555.31 555.32		\$6 \$-	\$- \$- \$-		-100.00% 0 0	

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121	555.34 RT Ramp Up Distribution Amount	\$		\$		\$		0	New charge type in 2022
121	555.35 RT Ramp Down Distribution Amount	\$		\$ \$		э \$			New charge type in 2022 New charge type in 2022
122		\$	10		-	\$	(10)	-100.00%	New charge type in 2022
123	555.22 DA GFA Carve Out Distribution Deployment Monthly Amount	ş S		\$	-	ŝ	0	-100.00%	
125		ş S		\$	-	ŝ	(0)	-100.00%	
126	Total SPP Wholesale Market Charges		141,155)		(2,105)		139,050	-98.51%	
127	Total of T Wholesale Market onarges	Ψ	141,100)	Ψ	(2,100)	÷	100,000	-30.0176	
127	MISO ASM			-					
120	555.43 Day Ahead Regulation Amount	\$	(68,125)	¢	(63,289)	\$	4,836	-7.10%	
129	555.46 Real Time Regulation Amount	3	19,948		(63,269)		(14,769)	-74.04%	
		3	14,433						
131	555.52 Regulation Cost Distribution Amount	\$ \$			14,143		(290)	-2.01%	
132	555.66 Day Ahead Short-Term Reserve Amount		(20,831)		(15,349)		5,482		
133	555.67 Real Time Short-Term Reserve Amount	\$	980		(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				(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			\$	(1,062)	-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	
144	555.49 Net Regulation Adjustment Amount	\$	1,440				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								
		[PROTE	CTED DA		BEGINS				
150 151		[PROTE	CTED DA	TAE	BEGINS				
150		[PROTEC	CTED DA	TAE	BEGINS				
150 151 152 153	Edgeley PPA	[PROTE(- -	CTED DA	TA E	BEGINS				
150 151 152 153 154	Edgeley PPA Langdon PPA	[PROTEC - -	CTED DA	TAE	BEGINS				Not Acolicable to EAR - Excluded from Total
150 151 152 153 154 155	Edgelev PPA Lanadon PPA Ashtabula III PPA Tribal (WAPA)	[PROTEC	CTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTE(- - - -	CTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTE(- - - -	CTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTE(- - - - -	CTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158 159	Edaeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTE(- - - - - -	CTED DA	TA E	BEGINS				
150 151 152 153 154 155 156 157 158 159 160	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTE(- - - - - -	CTED DA		BEGINS	P	ROTECT	ED DATA ENDS	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161	Edaeley PPA Lanadon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	-		1				ED DATA ENDS] 30.93%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162	Edaeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	-	CTED DA	1	3EGINS 4,120,189				
150 151 152 153 154 155 156 157 158 159 160 161 162 163	Edaeley PPA Lanadon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases	s - - - - - - - - - - - - - - - - - - -	146,893	\$	4,120,189	\$	973,297	30.93%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Edaeley PPA Lanadon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases	-		\$		\$			MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 164 165	Edaeley PPA Lanadon PPA Ashtabal III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Wind Curtaliment	\$ 3,	146,893	\$	4,120,189 (21,291)	\$	973,297 (22,486)	30.93% -1881.09%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Edgeley PPA Lanadon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales	\$ 3, \$ 2,	146,893 1,195 812,433)	\$	4,120,189 (21,291) (2,035,362)	\$ \$	973,297 (22,486) 777,072	30.93% -1881.09% -27.63%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Edaeley PPA Lanadon PPA Ashtabal III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 3, \$ \$ \$ (2, \$ (1,	146,893 1,195 812,433) 241,782)	\$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896)	၈ ၈ ၈ ()	973,297 (22,486) 777,072 (123,115)	30.93% -1881.09% -27.63% 9.91%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Edaeley PPA Lanadon PPA Ashtabal III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 3, \$ \$ \$ (2, \$ (1,	146,893 1,195 812,433)	\$ \$ \$	4,120,189 (21,291) (2,035,362)	၈ ၈ ၈ ()	973,297 (22,486) 777,072	30.93% -1881.09% -27.63%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 157 158 159 160 161 162 163 164 165 166 167 168 167	Edaeley PPA Langdon PPA Ashtabali II PPA Tribal (WAPA) WAPA Enroy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Total Purchases Fuel Costs Fuel Costs Asset Based Margins	\$ 3, \$ 3, \$ (1, \$ (1,	146,893 1,195 812,433) 241,782) 570,652)	\$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465)	ა ა აააააა	973,297 (22,486) 777,072 (123,115) 900,186	30.93% -1881.09% -27.63% 9.91% -57.31%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 167 168 169 170	Edaeley PPA Lanadon PPA Ashtabal III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 3, \$ 3, \$ (1, \$ (1,	146,893 1,195 812,433) 241,782)	\$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896)	ა ა აააააა	973,297 (22,486) 777,072 (123,115)	30.93% -1881.09% -27.63% 9.91% -57.31%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171	Edaeley PPA Langdon PPA Ashtabda III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit	\$ 3, \$ 3, \$ (2, \$ (1, \$ (1, \$ (1,	146,893 1,195 812,433) 241,782) 570,652) 454,533)	\$ \$ \$ \$ \$ \$ \$	4,120,189 (21.291) (2,035,362) (1.364,896) (670,465) (213,797)	\$ \$ \$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 167 168 167 168 167 168 167 168 167 168 167 168 167 168 167 168 167 168 169 170 171	Edaeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Encry Imbalance Shared Loads Small Co-gen Biblieral purchases Market Purchases Wind Curtailment State Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit	\$ 3, \$ 3, \$ (2, \$ (1, \$ (1, \$ (1,	146,893 1,195 812,433) 241,782) 570,652)	\$ \$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465)	\$ \$ \$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Edaelay PPA Langdon PPA Ashtabda III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Wind Curtailment Steam Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ 3, \$ \$ \$ (1, \$ (1) \$ \$	146,893 1,195 812,433) 241,782) 570,652) 454,533) 279,137	\$ \$ \$ \$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465) (213,797) 235,725	\$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736 (43,413)	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Edaelay PPA Langdon PPA Ashtabda III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Wind Curtailment Steam Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ 3, \$ \$ \$ (1, \$ (1) \$ \$	146,893 1,195 812,433) 241,782) 570,652) 454,533)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,120,189 (21.291) (2,035,362) (1.364,896) (670,465) (213,797)	\$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Edoelay PPA Langdon PPA Ashtabula III PPA Trbal (WAPA) WAPA) WAPA Encry Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ 3, \$ 3, \$ (2, \$ (1, \$ (2, \$ (1, \$ (1,)) (1, \$ (1,)) (1, \$ (1,)) (1,) (1,) (1,)) (1,) (1,) (1,) (1	146,893 1,195 812,433) 241,782) 570,652) 454,533) 279,137 (76,615)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465) (213,797) 235,725 (49,564)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736 (43,413) 27,051	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1) \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Edoelay PPA Langdon PPA Ashtabula III PPA Trbal (WAPA) WAPA) WAPA Encry Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales	\$ 3, \$ \$ \$ (1, \$ (1) \$ \$	146,893 1,195 812,433) 241,782) 570,652) 454,533) 279,137 (76,615)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465) (213,797) 235,725	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736 (43,413)	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1) \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 164 165 166 167 168 169 170 177 173 174 175 176 177	Edaelay PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hot Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales Planning Resource Auction Revenues	\$ 3, \$ 3, \$ (2, \$ (1, \$ (1, \$ (1, \$ (1, \$ (2, \$ (1, \$ (2, \$ (1, \$ (2, \$ (2	146,893 1,195 812,433) 241,782) 570,652) 454,533) 279,137 (76,615) -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465) (2(13,797) 235,725 (49,564) (8,587)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736 (43,413) 27,051 -	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1) \$ (0) \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Edaelay PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Hot Lake Solar Generation Credit Steam Plant Reagents SteamWater Sales Planning Resource Auction Revenues	\$ 3, \$ 3, \$ (2, \$ (1, \$ (1, \$ (1, \$ (1, \$ (2, \$ (1, \$ (2, \$ (1, \$ (2, \$ (2	146,893 1,195 812,433) 241,782) 570,652) 454,533) 279,137 (76,615)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,120,189 (21,291) (2,035,362) (1,364,896) (670,465) (213,797) 235,725 (49,564)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	973,297 (22,486) 777,072 (123,115) 900,186 240,736 (43,413) 27,051 -	30.93% -1881.09% -27.63% 9.91% -57.31% \$ (1) \$ (0) \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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

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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		IPROTECTED DA	TA BEGINS			
153	Edgelev PPA	p				
154	Langdon PPA		1			
155	Ashtabula III PPA		1			
156	Tribal (WAPA)		1		Not Applicable to EAR - Excluded from Total	
157	WAPA Energy Imbalance		1			
158	Shared Loads					
159	Small Co-gen					
160	Bilateral purchases					
161	Market Purchases				MISO and SPP Energy Only	
162			PROTECTED	DATA ENDSI		
163	Total Purchases	82,910	154,986		Tribal (WAPA) excluded from Total	
164	Totari urchases	02,310	104,000			
165	Wind Curtailment	30	(543)			
166		50	(343)			
167	Asset Based Sales	(45,057)	(50,180)		Credit to MN FCA Calculation - Subtracted from Total	
101	Abbet Babba bailes	(40,001)	(00,100)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset	
168	Fuel Costs				Based Sales	
100					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset	
169	Asset Based Margins				Based Sales	
	Asser based margins				Daseu Gales	
					Effective July 2022 - Docket No. E017/GR-20-719	
170	Steam Blant Beagante		-		Enecave July 2022 - DUCKELINO. EU17/GR-20-719	
171	Steam Plant Reagents					
171 172					Effective July 2000 Desiret No. 5047/CD 20 740	
171 172 173	Steam Plant Reagents Steam/Water Sales	-	-		Effective July 2022 - Docket No. E017/GR-20-719	
171 172 173 174	Steam/Water Sales					
171 172 173 174 175		-			Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022	
171 172 173 174	Steam/Water Sales					
			July 2023 Foreca	ast to Actual - Expe	nse (Revenue)	
--	--	--	---	---	---------------	--
Ī			July 2023			
			Forecast	July 2023 Actual		Notes
Line 1		Big Stone	[PROTECTED DA	TA BEGINS		
2		Coyote	-			
3				PROTECTED	DATA ENDS]	
4	L	Total Coal				
5		Langdon Wind	[PROTECTED DA	TA BEGINS		
7		Ashtabula Wind	-			
8		Ashtabula III	_			
9		Luverne Wind	_			
10 11		Merricourt		PROTECTED	DATA ENDSI	
12		Total Wind	s -	\$ -	DATA ENDOJ	
13						
14		Total Hydro	\$ -	\$ -		
15 16		Jamestown 1	[PROTECTED DA	TA BEGINS		
17		Jamestown 2	-			
18		Lake Preston	-			
19				PROTECTED	DATA ENDS]	
20		Total Oil - Peaking Units	<u></u> PROTECTED DA	\$ -		
21 22		Natural gas - Solway	IFROTECTED DA	TA BEGINS		
23		Natural gas - Astoria	-			
24	L	TetelNetwork		PROTECTED		
25 26		Total Natural Gas	\$ 32.43 [PROTECTED DA			
27		Solar - Blue Jay		DEGINO		
28		Solar - Blue Heron	_			
29 30	⊢	Solar - Hoot Lake		PROTECTED		
31		Total Solar	\$-		DATA ENDS	
32						
33		Total OTP-Owned	\$ 57.94	\$ 51.68		
34	M/Lak -	ale Market Charges				
35 36	vyholesa	ale Market Charges 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 41		RT Asset Energy Amount*** PT Distribution of Losses Amount	N/A N/A	N/A N/A		
41	555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43		DA Loss Amount	N/A	N/A		
44		RT Loss Amount	N/A	N/A		
45 46		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
40	555.12	DA Virtual Energy Amount	N/A	N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49		DA Mkt Admin Amount	N/A	N/A		
50		RT Mkt Admin Amount	N/A	N/A		
51 52	555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54		RT FBT Congestion Amount	N/A	N/A		
55		RT Congestion	N/A	N/A		
56 57	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58		FTR Yearly Allocation Amount	N/A	N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60 61	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62		FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64		FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65 66		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67		DA Revenue Sufficiency Guarantee Distribution Amount	N/A	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 71		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
72		RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25	RT Misc Amount	N/A	N/A		
74		RT Net Inadvertent Amount	N/A	N/A		
75 76	555.50	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	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				
80			N/A	N/A		
×1	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A N/A		
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***		N/A		
82 83	555.56 555.05 555.06	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A N/A	N/A N/A N/A N/A		
82 83 84	555.56 555.05 555.06 555.22	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A N/A N/A	N/A N/A N/A N/A N/A		
82 83 84 85	555.56 555.05 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount** RT ASM Excessive Energy Amount** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
82 83 84 85 86	555.56 555.05 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A N/A N/A	N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88	555.56 555.05 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount** RT ASM Excessive Energy Amount** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88 88 89	555.56 555.05 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88 88 89 90	555.56 555.05 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88 88 89	555.56 555.05 555.06 555.22 555.23	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount***	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88 88 99 90 91 92 93	555.56 555.05 555.05 555.22 555.23 	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount T**	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88 88 90 90 91 92 93 94	555.56 555.05 555.22 555.23 555.23 555.19 555.19 555.03 555.03	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount*** RT Non-Asset Energy Amount***	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
82 83 84 85 86 87 88 89 90 91 91 92 93 94 95	555.56 555.05 555.05 555.22 555.23 555.23 555.19 555.19 555.02 555.02	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount** RT Non-Asset Energy Amount** RT Non-Asset Energy Amount** RT Non-Asset Energy Amount**	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	NA NA NA NA NA NA NA NA NA NA NA NA NA N		
82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	555.56 555.06 555.22 555.23 555.23 555.19 555.03 555.03 555.09 555 555.02 555.12	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Asset Energy Amount*** RT Non-Asset Energy Amount*** DA Monde Paryment Distribution Amount DA Make-Whole-Paryment Distribution Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
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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	N/A N/A		
124 125	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges	N/A	N/A		
125	Total SPP Wholesale Market Charges				
126	MISO ASM				
127	Day Ahead Regulation Amount	N/A	N/A		
120	Real Time Regulation Amount	N/A N/A	N/A N/A		
130	Regulation Cost Distribution Amount	N/A N/A	N/A N/A		
130	Day Ahead Short-Term Reserve Amount	N/A N/A	N/A N/A		
132	Real Time Short-Term Reserve Amount	N/A N/A	N/A N/A		
132	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
133	Day Ahead Spinning Reserve Amount	N/A	N/A		
134	Real Time Spinning Reserve Amount	N/A	N/A		
135	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		
138	Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140	Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
140	Real Time Excessive Deficient Energy Deployment Charge Amount	N/A N/A	N/A N/A		
141	Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143	Net Regulation Adjustment Amount	N/A	N/A		
144	Total MISO ASM	DVA	19/3		
145	Total Milos Adm				
146	Total Wholesale Market Charges				
147	Total Wholedale Market onargee				
148					
149	Purchased Power				
150		IPROTECTED DA	TA 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	T			
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		
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166	Fuel Costs	N/A	N/A		Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167	Asset Based Margins	N/A	N/A		Based Sales
168					
	Steam Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
169					•
169 170			N/A		Effective July 2022 - Docket No. E017/GR-20-719
	Steam/Water Sales	N/A			
170	Steam/Water Sales	N/A	IN/A		
170 171	Steam/Water Sales Planning Resource Auction Revenues	N/A N/A	N/A		Effective June 2022
170 171 172					Effective June 2022
170 171 172 173			N/A		Effective June 2022 Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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			August 2023 Forecast	August 2023 Actual			Notes
ne			PROTECTED DA				1060
2		Big Stone Coyote	-				
۱. ۱		Hoot Lake #2	-				Hoot Lake plant closed in May 2021
		Hoot Lake #3			PROTECT	ED DATA ENDS]	
		Total Coal	\$ 5,386,120		\$ (1,021,526)	-18.97%	
		Langdon Wind	[PROTECTED DA	TA BEGINS			
		Ashtabula Wind					
0		Luverne Wind Merricourt					
2					PROTECT	ED DATA ENDS	
13		Total Wind	\$ -	\$ -	\$-	0	
14 15		Total Hydro	\$ -	s -	s -	0	
16			PROTECTED DA	TA BEGINS			
17 18		Jamestown 1 Jamestown 2	-				
19		Lake Preston					
20 21		Total Oil - Peaking Units	\$ 242,979	\$ 97 734	PROTECT \$ (145,245)	ED DATA ENDS] -59.78%	
22			[PROTECTED DA	TA BEGINS	• (140,240)	0011070	
23 24		Natural gas - Solway Natural gas - Astoria	-				
25					PROTECT	ED DATA ENDS	
26		Total Natural Gas	\$ 3,173,005 [PROTECTED DAT		\$ (787,674)	-24.82%	
28		Solar - Blue Jay	FROTECTED DA	TA BEGING	1	1	
29		Solar - Blue Heron					
30 31		Solar - Hoot Lake			PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$-	ş -	0	
33 34		Total OTP-Owned	\$ 8,802,104	\$ 6,847,659	\$ (1,954,445)	-22.20%	
35	1						
36 37		ale Market Charges MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***		\$-	ş -		Energy Amounts - included/embedded within Market Purchases
39 40					\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$-	\$-	0	Energy Amounts - included/embedded within Market Purchases
42 43	555.24			\$ (309,897) \$ -	\$ (102,978) \$ -	49.77%	
44		DA Loss Amount	\$ 544,720	\$ 870,890		59.88%	
45 46			\$ 34,797 \$ -	\$ 3,940 \$ -	\$ (30,857) \$ -	-88.68%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$-	\$-	\$ -	0	
48 49					\$ - \$ -	0	
49 50			\$ - \$ 63,343	\$ 64,973			Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52			\$ 8,461 \$ 2,790				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52			\$ 2,790 \$ -			-42.99%	
54 55		DA Congestion	\$ 405,049		\$ 1,293,347 \$	319.31%	
56			\$ - \$ 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 59			\$ (19,699) \$ -	\$ (21,417) \$ -	\$ (1,718) \$ -	8.72%	
60	555.35	FTR Monthly Transaction Amount	\$ -	\$-	\$ -	0	
61 62	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ (37,482) \$ 37,482			-84.42% -84.42%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (1,331,094)	\$ (3,913,258)	\$ (2,582,164)	193.99%	
64 65			\$ 1,321,981 \$ 9,166		\$ 2,236,413 \$ (6,838)	169.17% -74.60%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (50,349)	\$ (197,429)	\$ (147,081)	292.12%	
67 68	555.07		\$ - \$ 7,918		\$ - \$ 2,251	0 28.43%	
69			\$ (16,987)	\$ (0)	\$ 16,987	-100.00%	
70	555.29		\$ 61,051			-72.24%	
71 72	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (53,831) \$ (36,614)	\$ (39,144)	\$ 53,831 \$ (2,530)	-100.00% 6.91%	
73	555.28	RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 135,609	\$ 25,436	23.09%	
74 75			\$ 6,224 \$ (2,816)		\$ (7,103) \$ (1,044)	-114.12% 37.08%	
76	555.31	RT Uninstructed Deviation Amount	\$ -	\$ -	\$-	0	
77 78		RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ 23,265 \$ (2,156)			-93.75% -7.27%	
79	555.64	RT Ramp Product	\$ (818)	\$ (88)	\$ 729	-89.22%	
80 81	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 7,267 \$ -	\$ 22,351 \$ -	\$ 15,084 \$ -	207.57%	
82	555.56	RT ASM Excessive Energy Amount***	\$ -		\$-	0	
83 84		DA Congestion Rebate on COGA DA Losses Rebate on COGA		<u>\$</u> - \$-	\$ - \$ -	0	
85	555.22	RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ - \$ -	\$ - \$ (4,573)	\$ - \$ (4,573)	0	
88							
89 90		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)
91		SPP Wholesale Market Charges					
92 93	555.19	DA Asset Energy Amount	\$ - \$ -	\$- \$-	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***			\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$ -		\$ - \$	0	
96 97			\$ - \$ 183		\$ - \$ (171)		
98 99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$-	\$-	\$-	0	
99 00	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 21 \$ 11	\$ <u>2</u> \$ 0	\$ (19) \$ (11)		
01	555.05	DA Regulation-Up Distribution Amount	\$ 23	\$ 1	\$ (22)	-95.92%	
02 03		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$ 24 \$ 3		\$ (23) \$ (2)		
04	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$-	\$ 0	-100.00%	
05 06	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (42,306) \$ (0)		\$ 30,228 \$ 0	-71.45%	
07	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
08			\$ (1) \$ (0)		\$ 1 \$ 0	-100.00%	
09 10	555.17		\$ (0) \$ (0)		\$ 0 \$ 0		
11	555.20	RT Pseudo Tie Congestion Amount	\$ (75,214)	\$ 234,205	\$ 309,419	-411.38%	
12 13			\$ (23,896) \$ (7)		\$ 26,772 \$ 7	-112.04% -100.00%	
14	555.26	ARR Closeout Yearly Amount	\$-	\$-	\$-	0	
15 16	555.28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	\$ (0) \$ 1		\$ 0 \$ (1)		
17	555.30	RT Schedule 1A4 Amount	\$ 6	\$ 1	\$ (5)	-89.31%	
18 19			\$ - \$ -	\$ 0 \$ -	\$0 \$-		New charge type in 2022 New charge type in 2022
10					s - S -		New charge type in 2022 New charge type in 2022

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121	555.24	DT Demo I le Distribution Amount	¢		¢		¢		0	New shares time in 2022
		RT Ramp Up Distribution Amount	\$ \$	-	\$ \$		\$ \$			New charge type in 2022
122 123		RT Ramp Down Distribution Amount		- 10		- 1		-	-90.17%	New charge type in 2022
		DA GFA Carve Out Distribution Deployment Daily Amount	\$				\$	(9)		
124		DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-		-	0	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$		\$	-	\$			
126		Total SPP Wholesale Market Charges	\$	(141,143)	\$	225,022	\$	366,165	-259.43%	
127										
128		MISO ASM								
129		Day Ahead Regulation Amount	\$	(64,066)		(42,802)		21,264	-33.19%	
130		Real Time Regulation Amount	\$	18,971		(29,060)		(48,031)	-253.18%	
131		Regulation Cost Distribution Amount	\$	14,738		12,660		(2,079)	-14.10%	
132		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		Day Ahead Supplemental Reserve Amount	\$	(35,866)		(25,995)		9,871	-27.52%	
139		Real Time Supplemental Reserve Amount	\$	4,730		73,643		68,913	1456.93%	
140		Supplemental Reserve Cost Distribution Amount	ŝ	3,819		3.511		(308)	-8.06%	
141		Contingency Reserve Deployment Failure Charge Amount	ŝ	24		-	ŝ	(24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	ŝ	2.451		15,912	\$	13.460	549.12%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$		ŝ	-	040.12/0	
144		Net Regulation Adjustment Amount	ŝ	1.440		4.150	ŝ	2.710	188.24%	
145	000.10	Total MISO ASM		(78,941)		(19,395)		59.546	-75.43%	
146		Total Miloo Aom	Ŷ	(10,341)		(13,030)	Ŷ	00,040	-10.40/0	
147		Total Wholesale Market Charges	¢	(62,840)	•	45.064	s	107.904	-171.71%	
148		Total Wholesale Market Onlarges	÷	(02,040)		40,004	÷	107,504	-171.7170	
148					-					
149	Burcha	sed Power			-					
151	Fuicila		100/	OTECTED DA		DECINIC				
152			[FK	DIECTED DA	~					
152							_			
		Edgeley PPA	-							
153		Langdon PPA	-							
153 154		Langdon PPA Ashtabula III PPA	-						<u> </u>	
153 154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA)	-						ļ	Not Applicable to EAR - Excluded from Total
153 154 155 156		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	-						L	Not Applicable to EAR - Excluded from Total
153 154 155 156 157		Landon PPA Ashtabula III PPA Tibal (WAPA) WAPA Energy Imbalance Shared Loads	-							Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	-							Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158 159		Landon PPA Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	-							
153 154 155 156 157 158 159 160		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	-							Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161		Landon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	-		1				ED DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161		Landon PPA Achtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	\$	4,187,542	\$	2,791,093				
153 154 155 156 157 158 159 160 161 162 163		Landon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bialeral purchases Market Purchases Market Purchases Total Purchases					\$ ('	1,396,449)	-33.35%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164	Wind C	Landon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	\$	4,187,542		2,791,093	\$ ('			MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164		Landon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases urtailment	\$	4,603	\$	2,820	\$ (' \$	(1,783) (1,783)	-33.35%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164 165		Landon PPA Achitaba III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bialteral purchases Market Purchases Total Purchases urtailment ased Sales	\$ \$	4,603	\$	2,820	\$ (* \$ \$	(1,783) 234,863	-33.35% -38.74% -12.60%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164		Landon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases urtailment	\$	4,603	\$	2,820	\$ (* \$ \$	(1,783) (1,783)	-33.35%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166		Landon PPA Achitaba III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bialteral purchases Market Purchases Total Purchases urtailment ased Sales	\$ \$	4,603	\$ \$	2,820	\$ \$ \$ \$ \$ \$	(1,783) 234,863	-33.35% -38.74% -12.60%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167		Landon PPA Achtabula III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases Internet Sased Sales Fuel Costs	\$ \$ \$	4,603 (1,863,498) (907,546)	\$ \$	2,820 (1,628,634) (1,131,522)	\$ \$ \$ \$ \$ \$	(1,783) (1,783) 234,863 (223,976)	-33.35% -38.74% -12.60% 24.68%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Asset E	Landon PPA Achtabula III PPA Trbal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases Internet Sased Sales Fuel Costs	\$ \$ \$	4,603 (1,863,498) (907,546)	\$ \$ \$	2,820 (1,628,634) (1,131,522)	ຈ ຈັງ	(1,783) (1,783) 234,863 (223,976)	-33.35% -38.74% -12.60% 24.68% -48.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 169	Asset E	Landon PPA Ashtabula III PPA Trbal (WAPA) Trbal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins	\$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951)	\$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112)	ຈ ຈັງ	(1,783) (1,783) 234,863 (223,976) 458,839	-33.35% -38.74% -12.60% 24.68% -48.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Asset E Hoot La	Landon PPA Ashtabula III PPA Trbal (WAPA) Trbal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Total Purchases Total Purchases Fotal Shared Sales Four Costs Asset Based Margins Asset Based Margins Ass Solar Generation Credit	\$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951) (426,665)	\$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112) (456,996)	ຈ ຈາ ຈາ	(1,783) (1,783) 234,863 (223,976) 458,839 (30,331)	-33.35% -38.74% -12.60% 24.68% -48.00% \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Asset E Hoot La	Landon PPA Ashtabula III PPA Trbal (WAPA) Trbal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins	\$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951)	\$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112)	ຈ ຈາ ຈາ	(1,783) (1,783) 234,863 (223,976) 458,839	-33.35% -38.74% -12.60% 24.68% -48.00% \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 167 168 167 170 171 172	Asset E Hoot La Steam	Landon PPA Ashtabula III PPA Trbal (WAPA) Trbal (WAPA) Ashtabula III PPA Shard Loads Shard Loads Shard Loads Shard Loads Shard Loads Shard Loads Total Purchases Market Purchases Total Purchases Total Purchases Kased Sales Foul Costs Assed Based Margins Assed Gased Margins Assed Gased Margins Plant Reagents	\$ \$ \$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951) (426,665) 238,831	\$ \$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112) (456,996) 239,846	(୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬	(1,783) (1,783) 234,863 (223,976) 458,839 (30,331) 1,015	-33.35% -38.74% -12.60% 24.68% -48.00% \$ 0 \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Asset E Hoot La Steam	Landon PPA Ashtabula III PPA Trbal (WAPA) Trbal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Total Purchases Total Purchases Fotal Shared Sales Four Costs Asset Based Margins Asset Based Margins Ass Solar Generation Credit	\$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951) (426,665)	\$ \$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112) (456,996)	(୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬ ୬	(1,783) (1,783) 234,863 (223,976) 458,839 (30,331)	-33.35% -38.74% -12.60% 24.68% -48.00% \$ 0 \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
153 154 155 155 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Asset E Hoot La Steam	Landon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Market Purchases Urtailment Urtailment Lased Sales Fuel Costs Asset Based Margins Asset Based Margins Asset Based Margins Water Sales Water Sales Water Sales	\$ \$ \$ \$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951) (426,665) 238,831 (75,468)	\$ \$ \$ \$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112) (456,996) 239,846 (91,644)	<u>(</u>	(1,783) (1,783) (234,863 (223,976) 458,839 (30,331) 1,015 (16,175)	-33.35% -38.74% -12.60% 24.68% -48.00% \$ 0 \$ 0 \$ 0 \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	Asset E Hoot La Steam	Landon PPA Ashtabula III PPA Trbal (WAPA) Trbal (WAPA) Ashtabula III PPA Shard Loads Shard Loads Shard Loads Shard Loads Shard Loads Shard Loads Total Purchases Market Purchases Total Purchases Total Purchases Kased Sales Foul Costs Assed Based Margins Assed Gased Margins Assed Gased Margins Plant Reagents	\$ \$ \$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951) (426,665) 238,831	\$ \$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112) (456,996) 239,846	<u>(</u>	(1,783) (1,783) 234,863 (223,976) 458,839 (30,331) 1,015	-33.35% -38.74% -12.60% 24.68% -48.00% \$ 0 \$ 0 \$ 0 \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Asset E Hoot La Steam/ Steam/ Plannin	Landon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Total Purchases urtailment tased Sales Fuel Costs Asset Based Margins Asset Based Margins Asset Based Margins Water Sales Water Sales Water Sales	\$ \$ \$ \$ \$ \$ \$	4,603 (1,863,498) (907,546) (955,951) (426,665) 238,831 (75,468)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,820 (1,628,634) (1,131,522) (497,112) (456,996) 239,846 (91,644)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,396,449) (1,783) 234,863 (223,976) 458,839 (30,331) 1,015 (16,175) -	-33.35% -38.74% -38.74% -41.60% -44.00% -48.00% -48.00% -48.00% -500 -500 -500 -500 -500 -500 -500 -	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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

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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		
134	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
136	Day Ahead Spinning Reserve Amount	N/A	N/A		
130	Real Time Spinning Reserve Amount	N/A N/A	N/A N/A		
		N/A N/A			
138	Spinning Reserve Cost Distribution Amount		N/A	+	
139	Day Ahead Supplemental Reserve Amount	N/A	N/A	L	
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	i i			
149					
150					
151	Purchased Power				
152		IPROTECTED DA	ATA BEGINS		
153	Edgelev PPA				
154	Langdon PPA	<u>+-</u>		-	
155	Ashtabula III PPA	<u>+-</u>		-	
156	Tribal (WAPA)	<u> </u>		-	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	Ividi Ket Fulciidses		PROTECTED	DATA CHOCI	NISO and SFF Energy Only
	7.1.10	407.440			
163	Total Purchases	107,448	115,010		Tribal (WAPA) excluded from Total
164					
165	Wind Curtailment	117	72	L	
166					
167	Asset Based Sales	(30,843)	(38,887)		Credit to MN FCA Calculation - Subtracted from Total
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
168	Fuel Costs	L			Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
169	Asset Based Margins				Based Sales
170					
171	Steam Plant Reagents	-			Effective July 2022 - Docket No. E017/GR-20-719
172		1	t		
	Steam/Water Sales	-			Effective July 2022 - Docket No. E017/GR-20-719
173		+	1	1	
173	Steallinwater Sales				
174		-	-		Effective June 2022
174 175	Planning Resource Auction Revenues	-	-		Effective June 2022
174		- 453,300	- 434,389		Effective June 2022 Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

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August 2023 August 2023 August 2023 August 2023 August 2023 Image: Process of the second sec	Notes
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1 Big.Stone PROTECTED DATA ENDS] 3 PROTECTED DATA ENDS] 4 Total Coal \$ 26.73 \$ 22.66 5 PROTECTED DATA EDINS	
2 Coyote	
4 Image: mage: mail of the second s	
5 Import Protected DATA BEGINS Import Protected DATA BEGINS 7 Ashtabula Wind Import Protected DATA BEGINS Import Protected DATA ENDS 9 Luverne Wind Import Protected DATA ENDS Import Protected DATA ENDS 11 Mericourt Import Protected DATA ENDS Import Protected DATA ENDS 12 Import Protected DATA ENDS Import Protected DATA ENDS 13 Import Protected DATA ENDS Import Protected DATA ENDS 14 Import Protected DATA ENDS Import Protected DATA ENDS 15 Import Protected DATA ENDS Import Protected DATA ENDS 16 Jamestown 1 Import Protected DATA ENDS 17 Jamestown 2 Import Protected DATA ENDS 18 Lake Preston Import Protected DATA ENDS 19 Lake Preston Import Protected DATA ENDS 21 Natural gas - Solway Import Protected DATA ENDS 22 Natural gas - Solway Import Protected DATA ENDS 23 Natural gas - Solway Import Protected DATA ENDS 24 Import Protected DATA ENDS Import Protected DATA ENDS <td></td>	
7 Asttabula Wind 9 Luverne Wind 9 Luverne Wind 10 Merricourt 11 Merricourt 12 Total Wind 13	
8 Aktabula III PROTECTED DATA ENDS] 10 Mericourt PROTECTED DATA ENDS] 11 PROTECTED DATA ENDS] 12 PROTECTED DATA ENDS] 13 PROTECTED DATA ENDS] 14 PROTECTED DATA ENDS] 15 PROTECTED DATA ENDS] 16 PROTECTED DATA ENDS] 17 PROTECTED DATA ENDS] 18 Lake Preston 19 PROTECTED DATA ENDS] 20 PROTECTED DATA ENDS] 21 PROTECTED DATA ENDS] 22 Natural gas - Solvay 23 Natural gas - Astoria 24 PROTECTED DATA ENDS] 25 PROTECTED DATA ENDS] 26 PROTECTED DATA ENDS] 27 Solar - Blue Jay 28 Solar - Blue Jay 29 PROTECTED DATA ENDS] 29 Solar - Blue Heron 30 PROTECTED DATA ENDS] 31	
9 Lucerne Wind PROTECTED DATA ENDS] 11 Merricourt PROTECTED DATA ENDS] 12 PROTECTED DATA ENDS] 13 PROTECTED DATA ENDS] 14 PROTECTED DATA ENDS] 15 PROTECTED DATA ENDS] 16 PROTECTED DATA ENDS] 17 PROTECTED DATA ENDS] 18 PROTECTED DATA ENDS] 19 PROTECTED DATA ENDS] 20 PROTECTED DATA ENDS] 21 PROTECTED DATA ENDS] 22 Natural gas - Solway 23 Natural gas - Astoria 24 PROTECTED DATA ENDS] 25 PROTECTED DATA ENDS] 26 PROTECTED DATA ENDS] 27 Solar - Blue Jay 28 Solar - Blue Heron 29 Solar - Hoot Lake 31 PROTECTED DATA ENDS] 32 PROTECTED DATA ENDS] 33 PROTECTED DATA ENDS] 34 PROTECTED DATA ENDS] 35	
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15 Jamestown 1 IPROTECTED DATA BEGINS Image: constraint of the second	
16 Jamestown 1 Jamestown 2 Jamestown 2 <td< td=""><td></td></td<>	
18 Lake Preston	
19	
20 Total Oil - Peaking Units \$ \$ 21 Image: Solway Image: Solway 22 Natural gas - Solway Image: Solway 23 Natural gas - Solway Image: Solway 24 Image: Solway Image: Solway 25 Image: Solway Image: Solway 26 Image: Solway Image: Solway 27 Solwar - Blue Jay Image: Solwar - Blue Jay 28 Solwar - Blue Heron Image: Solwar - Hoot Lake 29 Solwar - Hoot Lake Image: Solwar - Blue Jay 30 Solwar - Hoot Lake Image: Solwar - Blue Jay 31 Image: Solwar - Hoot Lake Image: Solwar - Blue Jay 32 Image: Solwar - Hoot Lake Image: Solwar - Blue Jay 33 Image: Solwar - Hoot Lake Image: Solwar - Blue Jay 34 Image: Solwar - Hoot Lake Image: Solwar - Blue Jay 35 Wholesale Market Charges Image: Solwar - Blue Jay 36 Image: Solwar - Hoot Lake Image: Solwar - Blue Jay 37 Total OTP-Owned \$ 59.22 \$ 50.71 38 Image: Solwar - Blue Jay Image: Solwar - Blue Jay 39 Solwar - Blue Jay Image: Solwar - Blue Jay 34 Market Charges	
Natural gas - Solway	
23 Natural gas - Astoria	
24	
26 IPROTECTED DATA BGINS Image: Main and Mai	
Wholesale Market Charges	
Bolar Solar Heren 30 Solar	
30	
Miles Total Sdr \$ 0 33 Total OTP-Owned \$ 59.22 \$ 50.71 34 Total OTP-Owned \$ \$59.22 \$ 50.71 35 Wholesale Market Charges Image: Charges Image: Charges Image: Charges 36 MisO Wholesale Market Charges Image: Charges Image: Charges Image: Charges 37 555.02 DA Asset Energy Amount** N/A N/A 38 555.04 DA FPT 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 Liss Amount*** N/A N/A 45 555.26 R Ton-Asset Energy Amount*** N/A N/A 46 565.08 DA Loss Amount N/A N/A 47 555.12 DA Virtual Energy Amount N/A N/A 48 555.05 DA Loss Amount N/A N/A	
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34 Image: Charges Image: Charges 36 MISO Wholesale Market Charges NA 37 555.02 DA Asset Energy Amount*** NA 38 555.04 DA FBT Loss Amount NA 39 555.04 DA FBT Loss Amount*** NA 39 555.04 DA FBT Loss Amount*** NA 40 555.19 RT Asset Energy Amount*** NA 41 555.24 RT Distribution of Losses Amount NA 42 555.21 RT FBT Loss Amount** NA 43 DA Loss Amount NA 44 RT Loss Amount NA 45 555.26 RT Non-Asset Energy Amount*** 46 555.02 DA Loss Amount 47 555.22 RV Instal Energy Amount*** 48 S55.22 RV Instal Energy Amount*** 49 555.01 DA Mit Admin Amount 48 555.01 DA Mit Admin Amount 49 555.10 RT Mit Admin Amount 50 St RT Mit Admin Amount </td <td></td>	
Wholesale Market Charges MSO Wholesale Market Charges NIA 37 555.02 DA Asset Energy Amount*** N/A N/A 38 555.02 DA Asset Energy Amount*** N/A N/A 39 555.02 DA Asset Energy Amount*** N/A N/A 39 555.04 DA FBT Loss 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 D Loss Amount N/A N/A 44 R Loss Amount N/A N/A 45 555.26 RT Non-Asset Energy Amount*** N/A N/A 46 555.20 RT Virtual Energy Amount** N/A N/A 48 555.21 RT Wint Admin Amount N/A N/A 49 555.01 DA Mit Admin Amount N/A N/A 50 Stot.10 RT Mit Ad	
36 MISO Wholesale Market Charges NA NA 7 555.02 DA Asset Energy Amount*** NA NA NA 38 555.04 DA FBT Loss Amount NA NA NA 39 555.09 DA Non-asset Energy Amount*** NA NA NA 40 555.19 RT Asset Energy Amount*** NA NA NA 41 555.24 RT Distribution of Losses Amount NA NA NA 42 555.21 RT FBT Loss Amount NA NA NA 43 DA Loss Amount NA NA NA 44 RT Loss Amount NA NA NA 45 555.26 RT Non-Asset Energy Amount*** NA NA NA 46 555.05 DA Losse Relate on Option B GFA NA NA NA 47 555.12 DA Virtual Energy Amount NA NA NA 48 555.01 DA Mit Admin Amount NA NA NA <td></td>	
38 555.04 DA FBT Loss Amount NA NA 39 555.09 DA Non-asset Energy Amount*** NA NA 40 555.19 RT Asset Energy Amount*** NA NA 41 555.24 RT Distribution of Losses Amount NA NA 42 555.21 RT FBT Loss Amount NA NA 43 DA Loss Amount NA NA 44 RT Loss Amount NA NA 45 555.26 RT Non-Asset Energy Amount*** NA NA 46 555.26 RT Non-Asset Energy Amount*** NA NA 47 555.22 RT Virtual Energy Amount NA NA 48 555.22 RT Virtual Energy Amount NA NA 49 555.01 DA Mit Admin Amount NA NA 49 555.01 DA Mit Admin Amount NA NA	
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 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 S55.26 RT Non-Asset Energy Amount*** N/A N/A 46 555.08 DA Loss Amount N/A N/A 47 555.12 DA Vintual Energy Amount** N/A N/A 48 565.32 RT Vintual Energy Amount N/A N/A 49 556.01 DA Mit Admin Amount N/A N/A 49 556.01 RT Mit Admin Amount N/A N/A	
40 555.19 RT Asset Energy Amount** NA NA 14 555.24 RT Disribution of Losses Amount NA NA 42 555.21 RT FBT Loss Amount NA NA 43 DA Loss Amount NA NA 44 RT Loss Amount NA NA 45 555.26 RT Non-Asset Energy Amount*** NA NA 46 556.06 DA Loss Amount*** NA NA 47 555.12 DA Virtual Energy Amount NA NA 48 555.01 DA Loss Amount NA NA 49 555.01 DA Mix Admin Amount NA NA 49 555.01 DA Mix Admin Amount NA NA	
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 45 555.25 RT Non-Asset Energy Amount*** N/A N/A 46 555.05 RL Rose Rebate on Option B GFA N/A N/A 47 555.12 DA Virtual Energy Amount N/A N/A 48 555.20 RT Virtual Energy Amount N/A N/A 49 555.01 DA Mit Admin Amount N/A N/A 50 555.11 RT Mit Admin 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 Nor-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 Virutel Energy Amount N/A N/A 48 555.32 RT Virutal Energy Amount N/A N/A 49 555.01 DA Mixel Amin Amount N/A N/A 50 555.18 RT Mix Amin Amount N/A N/A	
44 RT Loss Amount NA NA 45 555.52 RT Non-Asset Energy Amount*** NA NA NA 46 555.08 DA Losses Rebate on Option B GFA NA NA NA 47 555.12 DA Virtual Energy Amount NA NA NA 48 555.32 RT Winkau Energy Amount NA NA NA 49 555.01 DA Miki Admin Amount NA NA NA 50 555.18 RT Miki Admin Amount NA NA NA	
46 555.08 DA Losses Rebate on Option B GFA N/A N/A 47 555.12 DA Virtuel Energy Amount N/A N/A 48 555.32 RT Virtual Energy Amount N/A N/A 49 555.01 DA Mitt Admin Amount N/A N/A 50 555.18 RT Mitt Admin Amount 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 49 555.10 DA Mixt Admin Amount N/A N/A 50 555.18 RT Mixt Admin Amount N/A N/A	
49 555.01 DA Mkt Admin Åmount N/A N/A 50 555.18 RT Mkt Admin Åmount 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	
54 552.2 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	
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	
55 55.541 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	
Ket Congestion and Losses Adjustment & No DA Generation Schedule N/A N/A	
88 Total MISO Wholesale Market Charges	
89 0 SPD Wholeads Model Charges	
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	
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	
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 106 655.13 RT Regulation Programmer Distribution Amount N/A	
107 555.14 RT Regulation-Up 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	
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 Suphemental Reserve Distribution Amount N/A N/A	
107 555.14 RT Regulation-Up Distribution Amount N/A N/A 08 555.16 RT Spinning Reserve Distribution Amount N/A N/A 109 555.17 RT Supplemental Reserve Distribution Amount N/A N/A 10 555.2 RT Pseudo Tie Congestion Amount N/A N/A	
107 555.14 RT Regulation-Up Distribution Amount N/A N/A 108 555.16 RT Sprining Reserve Distribution Amount N/A N/A 109 555.17 RT Supplemental Reserve Distribution Amount N/A N/A 109 555.27 RT Seudo 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	
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 101 555.2 RT Pseudo Tie Congestion Amount N/A N/A 111 555.21 RT Pseudo Tie Loss Amount N/A N/A 112 555.23 Miscelaneous Amount N/A N/A 113 555.26 ARR Closeout Yearty 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 109 555.27 RT Supplemental Reserve Distribution Amount N/A N/A 101 555.21 RT Pseudo Tie Congestion Amount N/A N/A 111 555.22 Ringesleareous Amount N/A N/A 112 555.23 Miscelareous 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	
107 555.14 RT Regulation-Up Distribution Amount NA N/A 108 555.16 RT Sprinning Reserve Distribution Amount NA N/A 109 555.17 RT Supplemental Reserve Distribution Amount NA N/A 109 555.27 RT Pseudo Tie Congestion Amount NA N/A 110 555.27 RT Pseudo Tie Congestion Amount NA N/A 111 555.23 Micellaneous Amount NA N/A 112 555.23 Micellaneous Amount NA N/A 113 555.26 ARR Closeout Yearly Amount NA N/A 114 555.28 RT Desmand Reduction Distribution Amount NA N/A 114 555.29 RT Schedule 1A3 Amount NA N/A 116 555.30 RT Schedule 1A4 Amount NA N/A	
107 555.14 RT Regulation-Up Distribution Amount NA N/A 108 555.16 RT Spinning Reserve Distribution Amount NA N/A 109 555.17 RT Stupplemental Reserve Distribution Amount NA N/A 109 555.17 RT Stupplemental Reserve Distribution Amount NA N/A 110 555.2 RT Pseudo Tie Loss Amount NA N/A 111 555.23 Miscellaneous Amount NA N/A 112 555.23 Miscellaneous Amount NA N/A 113 555.26 ARR Closeout Yearly Amount NA N/A 114 555.28 RT Demand Reduction Distribution Amount NA N/A 114 555.29 RT Schedule 1A3 Amount NA N/A 115 555.29 RT Schedule 1A4 Amount NA N/A 116 555.31 DA Ramp Up Distribution Amount NA N/A 117 555.31 DA Ramp Up Distribution Amount N/A N/A New charge type in 2022 <tr< td=""><td></td></tr<>	
107 555.14 RT Regulation-Up Distribution Amount NA N/A 108 555.16 RT Spinning Reserve Distribution Amount NA N/A 109 555.17 RT Supplemental Reserve Distribution Amount N/A N/A 109 555.17 RT Supplemental Reserve Distribution Amount N/A N/A 101 555.25 RT Pseudo Tie Loss Amount N/A N/A 111 555.23 Miscelaneous Amount N/A N/A 112 555.23 Miscelaneous Amount N/A N/A 113 556.26 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 1A3 Amount N/A N/A 117 555.31 DA Ramp Up Distribution Amount N/A N/A	

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101	FEE OF DE D. D. D. D. A.	N 1/A	N 1/A		Number of the second
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	N/A N/A		
124 125	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges	N/A	N/A		
125	Total SPP wholesale market charges				
126	MISO ASM				
127	Day Ahead Regulation Amount	N/A	N/A		
128	Real Time Regulation Amount	N/A N/A	N/A N/A		
129	Regulation Cost Distribution Amount	N/A N/A	N/A N/A		
130	Day Ahead Short-Term Reserve Amount	N/A N/A	N/A N/A		
132	Real Time Short-Term Reserve Amount	N/A N/A	N/A N/A		
132	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
133	Day Ahead Spinning Reserve Amount	N/A	N/A		
134	Real Time Spinning Reserve Amount	N/A	N/A		
135	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		
138	Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140	Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
140	Real Time Excessive Deficient Energy Deployment Charge Amount	N/A N/A	N/A N/A		
141	Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143	Net Regulation Adjustment Amount	N/A	N/A		
144	Total MISO ASM	DVA	19/3		
145					
146	Total Wholesale Market Charges				
147	rotal Wholeballs Market on a geo				
148					
149	Purchased Power				
150		IPROTECTED DA	TA 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 ENDS1	
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		
				İ	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166	Fuel Costs	N/A	N/A		Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167	Asset Based Margins	N/A	N/A		Based Sales
168		1905	19/5		
	Steam Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
169		1905	19/5		
169 170			N/A		Effective July 2022 - Docket No. E017/GR-20-719
170	Steam/Water Sales	N/A			
170 171	Steam/Water Sales	N/A	IN/A		
170	Steam/Water Sales	N/A N/A	N/A		Effective June 2022
170 171 172					Effective June 2022
170 171 172 173			N/A		Effective June 2022

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F				September	2023 Forecast to A	ctual - Expens	se (Revenue)	
					September 2023 Actual			Notes
Line	Plant G	eneration		TECTED DA				Notes
1		Big Stone	_				•	
2		Covote Hoot Lake #2	-					Hoot Lake plant closed in May 2021
4		Hoot Lake #3	_			PROTEOT		
5		Total Coal	s	4,654,487	\$ 4.215.918	PROTECT \$ (438,569)	ED DATA ENDS] -9.42%	
7				TECTED DA				
8 9		Langdon Wind Ashtabula Wind	-					
10		Luverne Wind	_					
11		Merricourt				DROTECT		
12 13		Total Wind	\$		\$-	S -	ED DATA ENDS] 0	
14					+			
15 16		Total Hydro		- TECTED DA		\$ -	0	
17		Jamestown 1	1110	ILOILD DA	A DEGINO		Į	
18 19		Jamestown 2	_					
20		Lake Preston				PROTECT	ED DATA ENDS	
21		Total Oil - Peaking Units	\$	-	\$ 2,864 TA BEGINS	\$ 2,864	0	
22 23		Natural gas - Solway	IPRO	IECTED DA	TA BEGINS		I	
24		Natural gas - Astoria						
25 26		Total Natural Gas	s	1,190,288	\$ 1.071.920	PROTECT \$ (118,368)	ED DATA ENDS] -9.94%	
27			[PRO	TECTED DA	TA BEGINS	• (110,000)	0.0470	
28 29		Solar - Blue Jay Solar - Blue Heron	-					
30		Solar - Blue Heron Solar - Hoot Lake	-					
31							ED DATA ENDS]	
32 33		Total Solar	\$	-	\$ -	\$-	0	
34		Total OTP-Owned	\$	5,844,775	\$ 5,290,702	\$ (554,074)	-9.48%	
35 36	Wholes	ale Market Charges						
37		MISO Wholesale Market Charges						
38 39	555.02	DA Asset Energy Amount***	\$		\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
39 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 43		RT Distribution of Losses Amount RT FBT Loss Amount	\$	(196,370)		\$ (17,831) \$ -	9.08%	
44		DA Loss Amount	\$	516,949	\$ 551,598	\$ 34,649	6.70%	
45		RT Loss Amount	\$	33,023			-157.98%	Foregris Americana included (amb added within Market Durahanan
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$		\$- \$-	<u>\$</u> - \$-	0	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$	-	\$-	\$-	0	
49 50	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	\$	- 62,549		\$ - \$ (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 53		FTR Mkt Admin Amount DA FBT Congestion Amount	\$	2,342		\$ (881) \$ -	-37.62%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54	333.03	DA Congestion	, \$	384,399		\$ 1,867,211	485.75%	
55 56	555.20	RT FBT Congestion Amount	\$	- 31,412		\$ - \$ 283,599	0 902.82%	
57		RT Congestion FTR Hourly Allocation Amount	A (S	(651,200)		\$ (3,387,742)	520.23%	
58	555.15	FTR Monthly Allocation Amount	\$	(18,695)	\$ (25,400)		35.87%	
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$		\$ - \$ -	\$ -	0	
61	555.36	FTR Full Funding Guarantee Amount	\$	(68,925)	\$ (118,030)	\$ (49,105)	71.24%	
62 63		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ \$	68,925 (964,624)		\$ 49,105 \$ (3,231,575)	71.24% 335.01%	
64			, \$	955,156	\$ 3,997,979	\$ 3,042,823	318.57%	
65		FTR Auction Revenue Rights Infeasible Uplift Amount	Ş	10,056			-64.72%	
66 67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	ക	(63,030)	\$-	\$ (123,259) \$ -	195.56% 0	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$	11,780	\$ 6,977		-40.77%	
69 70		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$	(5,776) 61,051			231.90%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	(53,831)	\$-	\$ 53,831	-100.00%	
72 73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$	(36,614) 110,172		\$ (9,577) \$ 75,899	26.16% 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		-144.24%	
76 77	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$	- 22,065			-74.40%	
78	555.63	DA Ramp Product	\$	(367)	\$ (5,913)	\$ (5,546)	1509.47%	
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$	(422)			76.01%	
81	555.55	RT ASM Non-Excessive Energy Amount***	\$	-	\$-	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82 83		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$			<u>\$</u> - \$-	0	Energy Amounts - included/embedded within Market Purchases
84	555.06	DA Losses Rebate on COGA	\$		\$-	\$ -	0	
85 86			\$ \$		\$- \$-	s -	0	
				-		s	0	
87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	\$	-	\$ (10,590)	\$ -	0	
87 88	555.23	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$		\$ (10,590)	\$ - \$ (10,590)	0	Total Evolution Schoolulo 16 and 47.0 ince 40, 44, 40, 41, 51
87	555.23		\$	- 155,810	\$ (10,590)	\$ -	0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
87 88 89 90 91		Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges	· 63		\$ (10,590) \$ (1,498,123)	\$ - \$ (10,590)	0 -1061.50%	
87 88 89 90 91 92	555.19	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount**	. es es es es es es es es es es es es es	155,810	\$ (10,590) \$ (1,498,123) \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ -	0 - 1061.50% 0	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) Energy Amounts - included/embedded within Market Purchases
87 88 89 90 91 92 93 94	555.19 555.03 555.09	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount DA Non-asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount		155,810 - - -	\$ (10,590) \$ (1,498,123) \$ - \$ - \$ - \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ - \$ - \$ - \$ -	0 -1061.50% 0 0 0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95	555.19 555.03 555.09 555.00	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount		155,810 - - - - -	\$ (10,590) \$ (1,498,123) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ - \$ - \$ - \$ - \$ - \$ - \$ -	-1061.50% 0 0 0 0 0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95 96 97	555.19 555.03 555.09 555.00 555.02 555.10	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount DA Make-Whole-Payment Distibution Amount RT Make-Whole-Payment Distibution Amount	••••••••••••••••••••••••••••••••••••••	155,810 - - - - - - - - - - - - - - - - - - -	\$ (10,590) \$ (1,498,123) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 -1061.50% 0 0 0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95 96 97 98	555.19 555.03 555.09 555.02 555.10 555.18	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	••••••••••••••••••••••••••••••••••••••	155,810 - - - - - - - - - - - - - - - - - - -	\$ (10,590) \$ (1,498,123) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ (1,653,933) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	-1061.50% 0 0 0 0 0 0 -100.00% 0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95 96 97 98 99	555.19 555.03 555.09 555.00 555.02 555.10 555.18 555.18	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount BA Kon-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	••••••••••••••••••••••••••••••••••••••	155,810 - - - - - - - - - - - - - - - - - - -	\$ (10,590) \$ (1,498,123) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	-1061.50% -1061.50% 0 0 0 0 -100.00% 0 -100.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
87 88 90 91 92 93 94 95 96 97 97 98 99 100 101	555.19 555.03 555.00 555.02 555.10 555.18 555.15 555.05	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount BA Kon-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount	••••••••••••••••••••••••••••••••••••••	155,810 - - - - - - - - - - - - - - - - - - -	\$ (10,590) \$ (1,498,123) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - \$ (10,590) \$ (1,653,933) \$ (1,653,933) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	0 -1061.50% 0 0 0 0 0 0 0 0 -100.00% -100.00% -100.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
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87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109	555.19 555.03 555.02 555.02 555.10 555.15 555.15 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.05 555.13 555.13 555.14 555.14	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount DA Asset Energy Amount Trimered Amount Trimered Amount Ar Asset Energy Amount DA Make Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenes Sufficient Status RT Make-Whole-Payment Distribution Amount RT Revenes Sufficient Status And Amount DA Regulation-Dup Distribution Amount DA Supplemental Reserve Distribution Amount RT Cover-Olestribution Amount RT Cover-Cell Losses Distribution Amount RT Requeation Non-Performance Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Distribution Amount RT Regulation-REServe Distribution Amount RT Regulation-REServe Distribution Amoun	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	155,810	\$ (10,50) \$ (1,498,123) \$	\$. \$ (10,590) \$ (10,590) \$ (1,653,933) \$ (1,653,933) \$ (1,653,933) \$ (1,653,933) \$.	0 -1061.50% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
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87 88 99 91 92 93 94 95 96 97 98 99 100 101 102 103 106 107 108 109 110 111	555.19 555.03 555.02 555.02 555.16 555.16 555.04 555.05 555.04 555.05 555.06 555.07 555.06 555.07 555.12 555.13 555.13 555.13 555.14 555.14 555.14 555.17 555.20	Net Congestion and Losses Adjustment & No DA Generation Schedule Total MISO Wholesale Market Charges DA Asset Energy Amount A Non-asset Energy Amount A Non-asset Energy Amount A Non-asset Energy Amount A Non-asset Energy Amount DA Make-Whole-Payment Distribution Amount DA Make-Whole-Payment Distribution Amount T Nake-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Falure Amount RT Regulation-Down Distribution Amount RT Agulation-Down Distribution Amount RT Agulation-Down Distribution Amount RT Regulation-Down ibution Amount RT Supplemental Reserve Distribution Amount RT Supplementale Reserve Distribution Amount RT Supplementale Reserve Distribution Amount RT Supplementale Reserve Distribution Amount RT Supplementale Reserve Distribution Amount RT Paeudo Tie Congestion Amount RT Paeudo Tie Loss Amount	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	155,810	\$ (10,590) \$ (1,498,123) \$	\$ \$ (10.590) \$ (10.590) \$ (1,663.933) \$ (1,663.933) \$. \$. \$. \$. \$. \$. \$. \$.	0 -1061.50% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
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101	555.04	DT D	÷		A		^			New shares to a 12 0000
121 122		RT Ramp Up Distribution Amount RT Ramp Down Distribution Amount	\$		\$ \$	-	\$ \$	-		New charge type in 2022 New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	<u>م</u>	- 10			\$ \$	- (10)	-100.00%	New charge type in 2022
123			۹ \$	(0)			ş	(10)	-100.00%	
124		DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	э \$	(12)		- 0	ŝ	12	-100.00%	
125	555.27	Total SPP Wholesale Market Charges		(133,946)		453,192		587,138	-438.34%	
120		Total SFF Wholesale Market Charges	ş	(133,540)	\$	400,192	Ŷ	567,136	-430.34 /0	
127		MISO ASM			-					
120		Day Ahead Regulation Amount	\$	(44,051)	¢	(60,766)	\$	(16,715)	37.94%	
130		Real Time Regulation Amount	ş	3,137		(400)		(3,536)	-112.74%	
131		Regulation Cost Distribution Amount	9 5 9	13,077		12,361		(715)	-5.47%	
132		Day Ahead Short-Term Reserve Amount	\$	(20,831)		(45,760)		(24,929)	119.67%	
133		Real Time Short-Term Reserve Amount	\$	980		(4,441)		(5,421)	-553.02%	
134		Short-Term Reserve Cost Distribution Amount	\$	9,069		40,263		31,194	343.98%	
135		Day Ahead Spinning Reserve Amount	\$	(21,812)		(18,413)		3,399	-15.58%	
136		Real Time Spinning Reserve Amount	\$	3,997		(2,771)		(6,768)	-169.34%	
137		Spinning Reserve Cost Distribution Amount	\$	9,327		10,058		731	7.84%	
138		Day Ahead Supplemental Reserve Amount	\$	(17,098)		(13,773)		3,325	-19.45%	
139		Real Time Supplemental Reserve Amount	\$	3,538		(47,557)		(51,096)	-1444.01%	
140		Supplemental Reserve Cost Distribution Amount	ŝ	1,773		3.006	ŝ	1,233	69.58%	
141		Contingency Reserve Deployment Failure Charge Amount	\$	24		-	\$	(24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,451		6,609	S	4,158	169.62%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
144	555.49	Net Regulation Adjustment Amount	\$	1,440	\$	4,006	\$	2,566	178.22%	
145		Total MISO ASM	\$	(54,980)	\$	(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	Purcha	sed Power								
150 151			[PRO	TECTED DA		BEGINS				
150 151 152		Edgeley PPA	[PRO	TECTED DA	TAE	BEGINS				
150 151 152 153		Edgeley PPA Langdon PPA	[PRO	TECTED DA	TAE	BEGINS				
150 151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PRO	TECTED DA	TAE	BEGINS				
150 151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PRO	TECTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance	[PRO	TECTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157		Edueley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads	[PRO - - - -	TECTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158		Edgeley PPA Lanadon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PRO - - - -	TECTED DA	TA E	BEGINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158 159		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Snared Loads Smared Loads Smared Loads	[PRO - - - -	TECTED DA	TA E	BEGINS				
150 151 152 153 154 155 156 157 158 159 160		Edgeley PPA Lanadon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PRO 	TECTED DA		BEGINS				Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161		Edgelev PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	-						ED DATA ENDSJ	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Snared Loads Smared Loads Smared Loads	-	TECTED DA 4,574,568		3EGINS 4,233,186				
150 151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Langdon PPA Achtabda II PPA Triba (WAPA) WAPA Energy Imbalance Shared Loads Smard Loads Smard Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	-	4,574,568	\$	4,233,186	\$	(341,381)	-7.46%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164		Edgelev PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	-	4,574,568			\$			MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind C	Edgelev PPA Langdon PPA Achtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Strated Loads Small Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases	· · · · · · · · · · · · · · · · · · ·	4,574,568	\$	4,233,186	\$ \$	(341,381) 5,097	-7.46% 433154.61%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 165 166	Wind C Asset B	Edweley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bialteral purchases Market Purchases Market Purchases Total Purchases urtailment ased Sales	- - - - - - - - - - - - - - - - - - -	4,574,568 1 (918,116)	\$ \$ \$	4,233,186 5,098 (1,102,088)	\$ \$ \$	(341,381) 5,097 (183,972)	-7.46% 433154.61% 20.04%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167	Wind C Asset B	Edgelev PPA Langdon PPA Achtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Biateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs		4,574,568 1 (918,116) (466,151)	\$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600)	\$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449)	-7.46% 433154.61% 20.04% 78.83%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind C Asset B	Edweley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bialteral purchases Market Purchases Market Purchases Total Purchases urtailment ased Sales	- - - - - - - - - - - - - - - - - - -	4,574,568 1 (918,116)	\$ \$ \$ \$	4,233,186 5,098 (1,102,088)	\$ \$ \$ \$	(341,381) 5,097 (183,972)	-7.46% 433154.61% 20.04%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 161 162 163 164 165 166 167 168 169	Wind C Asset B	Edgelev PPA Langdon PPA Ashtabula II PPA Tibai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Internet Sased Sales Fuel Costs Asset Based Margins	• • • • • • • • •	4,574,568 1 (918,116) (466,151) (451,965)	\$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600) (268,488)	\$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477	-7.46% 433154.61% 20.04% 78.83% -40.60%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind C Asset B	Edgelev PPA Langdon PPA Ashtabula II PPA Tibai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Internet Sased Sales Fuel Costs Asset Based Margins	- - - - - - - - - - - - - - - - - - -	4,574,568 1 (918,116) (466,151)	\$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600)	\$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449)	-7.46% 433154.61% 20.04% 78.83% -40.60%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 167 168 167	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Leads Smail Co-gen Balarera purchases Market Purchases Total Purchases Total Purchases Kasel Base Foel Costs Asset Based Margins Ke Solar Generation Credit	- - - - - - - - - - - - - - - - - - -	4,574,568 1 (918,116) (466,151) (451,965) (320,982)	\$ \$ \$ \$ \$	4,233,186 5.098 (1,102,088) (833,600) (268,488) (407,127)	\$ \$ \$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477 (86,145)	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Ashtabula II PPA Tibai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Internet Inte	• • • • • • • • •	4,574,568 1 (918,116) (466,151) (451,965)	\$ \$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600) (268,488)	\$ \$ \$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477 (86,145)	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 170 171 173	Wind C Asset B Hoot La Steam I	Edgeley PPA Langdon PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Balarera Jucrhases Market Purchases Total Purchases Total Purchases trialiment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents	\$ 	4,574,568 1 (918,116) (466,151) (451,965) (320,982) 210,472	\$ \$ \$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600) (266,488) (407,127) 236,573	\$ \$ \$ \$ \$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477 (86,145) 26,101	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0 \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind C Asset B Hoot La Steam I	Edgelev PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Leads Smail Co-gen Balarera purchases Market Purchases Total Purchases Total Purchases Kasel Base Foel Costs Asset Based Margins Ke Solar Generation Credit	- - - - - - - - - - - - - - - - - - -	4,574,568 1 (918,116) (466,151) (451,965) (320,982)	\$ \$ \$ \$ \$ \$	4,233,186 5.098 (1,102,088) (833,600) (268,488) (407,127)	\$ \$ \$ \$ \$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477 (86,145)	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0 \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgeley PPA Langdon PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases trialiment ased Sales Fuel Costs Asset Based Margins Asset Based Margins Ke Solar Generation Credit Vator Sales Vator Sales	\$ 	4,574,568 1 (918,116) (456,151) (320,982) 210,472 (40,982)	\$ \$ \$ \$ \$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600) (268,488) (407,127) 236,673 (96,795)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477 (86,145) 26,101 (55,813)	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0 \$ 0 \$ 1	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgeley PPA Langdon PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Balarera Jucrhases Market Purchases Total Purchases Total Purchases trialiment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents	\$ 	4,574,568 1 (918,116) (466,151) (451,965) (320,982) 210,472	\$ \$ \$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600) (266,488) (407,127) 236,573	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(341,381) 5,097 (183,972) (367,449) 183,477 (86,145) 26,101	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0 \$ 0 \$ 1	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 173 174 175	Wind C Asset B Hoot La Steam/ Plannin	Edgeley PPA Langdon PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases trialiment ased Sales Fuel Costs Asset Based Margins Asset Based Margins Ke Solar Generation Credit Vator Sales Vator Sales	\$ 	4,574,568 1 (918,116) (456,151) (320,982) 210,472 (40,982)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4,233,186 5,098 (1,102,088) (833,600) (268,488) (407,127) 236,673 (96,795)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(341,381) 5.097 (183,972) (367,449) 183,477 (86,145) 26,101 (55,813) -	-7.46% 433154.61% 20.04% 78.83% -40.60% \$ 0 \$ 0 \$ 1 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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Γ		S	eptember 2023 Fo	recast to Actual - E	xpense (Reven	ue)
			September 2023	September 2023		
Line	Plant Gr	eneration	Forecast [PROTECTED DA	Actual		Notes
1		Big Stone		TA DEGINO		
2		Coyote	_			Light Laboratelegand in May 2004
3 4		Hoot Lake #2 Hoot Lake #3	-			Hoot Lake plant closed in May 2021
5				PROTECTED	DATA ENDS]	
6 7		Total Coal	185,484 [PROTECTED DA	171,251		
8		Langdon Wind	[FROIECIED DA	TA BEGING		
9		Ashtabula Wind				
10 11		Ashtabula III Luverne Wind	_			
12		Merricourt	-			
13	-			PROTECTED	DATA ENDS]	
14 15		Total Wind and Solar	100,327	70,520		
16		Total Hydro	1,644	303		
17			[PROTECTED DA	TA BEGINS		
18 19		Jamestown 1 Jamestown 2	_			
20		Lake Preston	_	1		
21 22		Total Oil - Peaking Units		PROTECTED	DATA ENDS]	
23		Total OII - Peaking Units	[PROTECTED DA	TA BEGINS		
24		Natural gas - Solway	_			
25 26		Natural gas - Astoria		PROTECTED	DATA ENDS1	
27		Total Natural Gas	35,420	40,025		
28 29		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
30		Solar - Blue Heron	-			
31		Solor - Hoot Lake				
32		Total Solar	-	PROTECTED 6 723	DATA ENDS]	
33 34				6,723		
35		Total OTP-Owned	322,874	288,822		
36 37	Wholes	ale Market Charges				
38		MISO Wholesale Market Charges				
39	555.02	DA Asset Energy Amount***	N/A	N/A		
40 41	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
42	555.19	RT Asset Energy Amount***	N/A	N/A		
43 44	555.24	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44 45		DA Loss Amount	N/A N/A	N/A N/A		
46		RT Loss Amount	N/A	N/A		
47 48	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
49	555.12	DA Virtual Energy Amount	N/A	N/A		
50		RT Virtual Energy Amount	N/A	N/A		
51 52		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
53	555.13	FTR Mkt Admin Amount	N/A	N/A		
54		DA FBT Congestion Amount	N/A	N/A N/A		
55 56		DA Congestion RT FBT Congestion Amount	N/A N/A	N/A		
57		RT Congestion	N/A	N/A		
58 59	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	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	N/A N/A		
62 63	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A	N/A N/A		
64	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65 66		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
67		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 70	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72 73	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	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 77		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
78	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
79 80	555.63	DA Ramp Product RT Ramp Product	N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
82	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83 84	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
85	555.06	DA Losses Rebate on COGA	N/A	N/A		
86 87	555.22	RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
87		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A		
89	-					
90 91		Total MISO Wholesale Market Charges		<u> </u>		
92		SPP Wholesale Market Charges				
93	555.19	DA Asset Energy Amount***	N/A	N/A		
94 95		DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
96	555	RT Non-Asset Energy Amount	N/A	N/A		
97 98		DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98 99		RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
100	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
101 102		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	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		
105 106	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
107	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
108 109	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.14	RT Regulation-Op Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
112 113	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
113		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
115	555.26	ARR Closeout Yearly Amount	N/A	N/A		
		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
116	555 20 1					
117						
	555.30 555.31	RT Schedule 1AS Amount DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A N/A N/A	N/A N/A N/A		New charge type in 2022 New charge type in 2022

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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		
134	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
135	Day Ahead Spinning Reserve Amount	N/A	N/A N/A		
130		N/A	N/A N/A		
	Real Time Spinning Reserve Amount				
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		IPROTECTED DA	TA BEGINS		
153	Edgelev 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				
158	Small Co-gen				
160	Bilateral purchases				
160	Market Purchases				MISO and SPP Energy Only
101					
	Market Purchases		PROTECTED		MISO and SPP Energy Only
162		400.000	PROTECTED	DATA ENDS]	
162 163	Market Pulchases Total Purchases	126,359	PROTECTED 133,065	DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
162 163 164	Total Purchases		133,065	DATA ENDS]	
162 163 164 165		126,359		DATA ENDS]	
162 163 164 165 166	Total Purchases Wind Curtailment	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total
162 163 164 165	Total Purchases		133,065	DATA ENDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
162 163 164 165 166 167	Total Purchases Wind Curtaliment Asset Based Sales	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165 166	Total Purchases Wind Curtailment	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166 167	Total Purchases Wind Curtaliment Asset Based Sales	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165 166 167 168	Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166 167	Total Purchases Wind Curtaliment Asset Based Sales	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165 166 167 168 169 170	Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs Asset Based Margins	0 (17,618)	133.065 130 (30,026)	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166 167 168 169 170 171	Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs	0	133,065 130	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165 166 167 168 169 170 171 172	Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	0 (17,618)	133,065 130 (30,026) -	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171 172 173	Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs Asset Based Margins	0 (17,618)	133.065 130 (30,026)	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166 167 168 169 170 171 172 173	Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents SteamWater Sales	0 (17,618) - -	133,065 130 (30,026) - -	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171 172 173 174 175	Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	0 (17,618)	133,065 130 (30,026) -	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171 172 173 174	Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents SteamWater Sales	0 (17,618) - -	133,065 130 (30,026) - -	DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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Г		S	eptember 2023 Fo	recast to Actual - E	xpense (Reven	ue)
F			September 2023	September 2023	(
Line	DI	used a	Forecast	Actual		Notes
Line 1		neration Big Stone	[PROTECTED DA	IA BEGINS		
2		Coyote	-			
3		Tatal Cast	\$ 25.09	PROTECTED		
4 5		Total Coal	\$ 25.09 [PROTECTED DA			
6		Langdon Wind	_			
7		Ashtabula Wind	-			
8		Ashtabula III Luverne Wind	-			
10		Merricourt				
11 12		Total Wind	s -	PROTECTED \$ -	DATA ENDS]	
13			ş -	ş -		
14		Total Hydro	\$-	\$ -		
15 16		Jamestown 1	[PROTECTED DA	TA BEGINS		
17		Jamestown 2	-			
18		Lake Preston		PROTECTED		
19 20		Total Oil - Peaking Units	s -	PROTECTED	DATA ENDS	
21		Total on Totaling onto	PROTECTED DA			
22		Natural gas - Solway	_			
23 24		Natural gas - Astoria		PROTECTED	DATA ENDSI	
25		Total Natural Gas		\$ 26.78		
26 27		Color Dive low	[PROTECTED DA	TA BEGINS		
28		Solar - Blue Jay Solar - Blue Heron	-			
29		Solar - Hoot Lake				
30		T_1-1-0-1	•	PROTECTED	DATA ENDS]	
31 32		Total Solar		v		
33		Total OTP-Owned	\$ 58.70	\$ 51.40		
34 35	Wholes	le Market Charges				
36		MISO Wholesale Market Charges	<u> </u>			
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	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 43		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44		RT Loss Amount	N/A	N/A		
45	555.26	RT Non-Asset Energy Amount*** DA Losses Rehate on Ontion B GEA	N/A N/A	N/A N/A		
46 47	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	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 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55		RT Congestion	N/A	N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
57 58		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60		FTR Full Funding Guarantee Amount	N/A	N/A		
61 62		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64 65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66		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 69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71		RT Price Volatility Make Whole Payment	N/A	N/A		
72 73	555.28	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A	N/A N/A		
76 77	555.63	R I Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
78	555.64	RT Ramp Product	N/A	N/A		
79 80	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
81	555.56	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
83 84	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	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 92	555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94	555 02	RT Non-Asset Energy Amount	N/A	N/A		
95 96	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98 99		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
100		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
102 103	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	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		
106 107	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	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		
110 111	555.2 555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
112	555.23	Miscellaneous Amount	N/A	N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115	555.28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
116	555.30	RT Schedule 1A4 Amount	N/A	N/A		
117 118		DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
118	555.33	DA Ramp Down Distribution Amount RT Ramp Non Performance Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
120		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022

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121	EEE 26	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
121		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
122		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
123		DA GFA Carve Out Distribution Deployment Vientity Amount	N/A	N/A	
125	333.21	Total SPP Wholesale Market Charges	DVA	19/5	
126		Total of T Wholesale Market onarges			
127		MISO ASM			
127		Day Ahead Regulation Amount	N/A	N/A	
120		Real Time Regulation Amount	N/A	N/A	
129		Regulation Cost Distribution Amount	N/A	N/A	
130		Day Ahead Short-Term Reserve Amount	N/A	N/A	
131		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	
140		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	DVA	19/3	
145					
146		Total Wholesale Market Charges			
147		i otar Wildiesale Market Onarges			
148					
149	Purchas	sed Power			
150	i urcha.		[PROTECTED DA	TA BEGINS	
151		Edgeley PPA	[DEGINO	
152		Langdon PPA	-		
153		Ashtabula III PPA	-		
154		Tribal (WAPA)	-		Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	-		Not Applicable to EAR - Excluded from Total
156		Shared Loads	-		
157		Small Co-gen	-		
158		Bilateral purchases	-		
159		Market Purchases	-		MISO and SPP Energy Only
160		Market Faichaded		PROTECTED	
161		Total Purchases	\$ 36.20		
162			• • • • • • • • •	• • • • • • •	mbar (17/17/1) okoładod nom rotar
163	Wind C	urtailment	\$ 39.22	\$ 39.22	
163	Wind Ci	urtainmont	ψ 33.22	¥ 33.22	
165	Acco+ D	ased Sales	\$ 52.11	\$ 36.70	
100	MOOUL D	ason valos	ψ 02.11		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
166		Fuel Costs	N/A	N/A	
100		F UEI 60515	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
407		Annat David Marrian	N/A	N/A	
167		Asset Based Margins	N/A	N/A	Daseu Sales
168	Chan	Plant Descents			Effective July 2022, Desilvet No. 5017/CD 20 740
169	Steam	Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170		Matan Aatan	N 1/A		
171	Steam/	Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
470			N/A		Effective Leve 0000
172				N/A	Effective June 2022
173	Plannin	g Resource Auction Revenues	IN/A		
		stem - Plant Level	\$ 21.59		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

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F			October 2 October 2023	023 Forecast to Ac October 2023	tual - Expense	(Revenue)	
ine	Plant G	eneration	Forecast [PROTECTED DA	Actual			Notes
1		Big Stone		TA BEGINS	i – I		
2		Covote Hoot Lake #2					Hoot Lake plant closed in May 2021
4 5		Hoot Lake #3			PROTECT	ED DATA ENDS]	
6		Total Coal		\$ 2,789,926	\$ (516,534)		
7 8		Langdon Wind	[PROTECTED DA	FA BEGINS	i I		
9 10		Ashtabula Wind Luverne Wind	-				
11		Merricourt	-		,		
12 13		Total Wind		s -	PROTECTE \$ -	ED DATA ENDS] 0	
14							
15 16		Total Hydro	S - [PROTECTED DA	\$ - TA BEGINS	\$ -	0	
17 18		Jamestown 1	_			-	
19		Jamestown 2 Lake Preston	-				
20 21		Total Oil - Peaking Units	s -	\$ 10,039		ED DATA ENDS] 0	
22 23		Natural gas - Solway	[PROTECTED DA	TA BEGINS			
24		Natural gas - Solway Natural gas - Astoria	-				
25 26		Total Natural Gas	\$ 1.597.847	\$ 1.305.496	PROTECTE \$ (292,351)	ED DATA ENDS] -18.30%	
27			PROTECTED DA		1 1 1 1 1 1 1 1 1		
28 29		Solar - Blue Jay Solar - Blue Heron	-				
30 31		Solar - Hoot Lake			PROTECT	ED DATA ENDS]	
32		Total Solar	\$-	\$-	\$ -	0	
33 34		Total OTP-Owned	\$ 4,904,307	\$ 4,105,461	\$ (798,846)	-16.29%	
85 86	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges	•				
38 39				\$ - \$ -	\$ - \$ -	0	
40 41	555.09	DA Non-asset Energy Amount***	\$ -	\$-	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
12	555.24	RT Distribution of Losses Amount	\$ (207,566)	\$ (202,694)	\$ 4,872	-2.35%	
43 44	555.21	RT FBT Loss Amount DA Loss Amount	\$ - \$ 546,423	\$ - \$ 466,427		-14.64%	
45 46		RT Loss Amount	\$ 34,906 \$ -	\$ 57,938		65.98%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$-	\$-	\$-	0	
48 49	555.12	DA Virtual Energy Amount	s		\$ - \$ -	0	
50	555.01	DA Mkt Admin Amount	\$ 69,043	\$ 70,945	\$ 1,902		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 8,825 \$ 1,594	\$ 11,356 \$ 1,634		28.68%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54	555.03	DA FBT Congestion Amount DA Congestion	\$ - \$ 406,316		\$ - \$ 1,926,462	474.13%	
55		RT FBT Congestion Amount	\$ -	\$ -	\$-	0	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 33,204 \$ (688,329)		\$ 596,534 \$ (7,549,853)	1796.60% 1096.84%	
58 59	555.15	FTR Monthly Allocation Amount	\$ (19,761) \$ -	\$ (68,476)	\$ (48,715) \$ -	246.53% 0	
60	555.35	FTR Monthly Transaction Amount	\$	\$ -	\$ -	0	
61 62	555.36 555.37		\$ (21,712) \$ 33,311	\$ (410,797) \$ 426,105	\$ (389,085) \$ 392,794	1792.03% 1179.17%	
63 64	555.39		\$ (964,624)	\$ (4,196,199)	\$ (3,231,575) \$ 3,042,823	335.01% 318.57%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 10,056	\$ 3,548	\$ (6,508)	-64.72%	
66 67			\$ (63,030) \$ -		\$ (123,259) \$	195.56%	
68 69	555.10	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 13,467 \$ (16,769)			-41.74% -99.96%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 15,860	\$ (45,191)	-74.02%	
71 72			\$ (53,831) \$ (36,614)		\$ 53,831 \$ 118,539	-100.00%	
73	555.28	RT Revenue Neutrality Uplift Amount	\$ 110,172	\$ 161,369	\$ 51,197	46.47%	
74 75	555.27	RT Misc Amount RT Net Inadvertent Amount	\$ 6,224 \$ (2,816)	\$ (4,522)	\$ (1,706)	109.24% 60.57%	
76 77		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$		\$ -	0-100.91%	
78	555.63	DA Ramp Product	\$ (2,666)	\$ (4,505)	\$ (1,839)	68.97%	
79 30	555.65		\$ (1,009) \$ 7,267			-161.24% 177.85%	
31 32	555.55	RT ASM Non-Excessive Energy Amount***	\$-		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
33	555.05	DA Congestion Rebate on COGA	\$	\$-	\$ -	0	
84 85					\$ - \$ -	0	
36	555.23	RT Loss Rebate on COGA	\$ -		\$ -	0	
37 38						-	
89 90		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)
91 92	555 10	SPP Wholesale Market Charges DA Asset Energy Amount***	\$-	s -	\$-		Energy Amounts - included/embedded within Market Purchases
93	555.03	DA Non-asset Energy Amount	\$-	\$ -	\$-	0	
94 95	555.09	RT Asset Energy Amount***	s		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
96	555.02	DA Make-Whole-Payment Distribution Amount	\$	\$ -	\$ -	0	
97 98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ 183 \$ -	\$ -	\$ -	-38.92%	
9 00		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 21 \$ 11		\$ (26) \$ 5	-122.40% 42.61%	
01	555.05	DA Regulation-Up Distribution Amount	\$ 23	\$ 56	\$ 34	147.05%	
)2)3	555.07		\$ 24 \$ 3	\$ 3	\$ 0	31.68% 9.69%	
)4)5	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0) \$ (42,438)	\$-	\$ 0	-100.00% -79.33%	
06	555.12	RT Regulation-Down Distribution Amount	\$ (0)	\$ 4	\$ 4	-14297.18%	
07 08			\$ (0) \$ (1)	\$ (3) \$ (5)	\$ (3) \$ (4)	964.41% 719.51%	
09	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ 0	\$ 1	-194.80%	
11	555.20	RT Pseudo Tie Congestion Amount	\$ (75,449)	\$ 157,201	\$ 232,651	-308.35%	
12 13			\$ (23,971) \$ (7)			-117.43%	
14	555.26	ARC Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$	\$	\$-	-57481.82%	
		RT Schedule 1A3 Amount	\$ 1	\$ 6	\$ 5	418.05%	
15 16		RT Schedule 1A4 Amount	\$ 6	\$ 26	\$ 20	333.32%	
15 16 17	555.30		\$ -	\$ 2.	IS 21	n	New charge type in 2022
15 16	555.30 555.31 555.32	DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	\$	\$ 2 \$ - \$ (0)	ş -	0	New charge type in 2022 New charge type in 2022 New charge type in 2022

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122	555.05	RT Ramp Down Distribution Amount	\$		\$	-	\$	-	0	New shares time is 2000
122		DA GFA Carve Out Distribution Amount	ъ S	- 10		- 18		- 8	72.76%	New charge type in 2022
123		DA GFA Carve Out Distribution Deployment Daily Amount		(0)		-		0	-100.00%	
			\$ \$		э \$	-	\$	0	-100.00%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount						294,458	0	
126		Total SPP Wholesale Market Charges	\$	(141,585)	\$	152,873	\$	294,458	-207.97%	
127										
128		MISO ASM		(((
129		Day Ahead Regulation Amount	\$	(14,317)		(29,009)		(14,692)	102.62%	
130		Real Time Regulation Amount	\$	(3,744)		(12,697)		(8,953)	239.11%	
131		Regulation Cost Distribution Amount	\$	16,088		20,514		4,426	27.51%	
132		Day Ahead Short-Term Reserve Amount	\$	(20,831)		(12,081)		8,750	-42.00%	
133		Real Time Short-Term Reserve Amount	\$	980		90		(891)	-90.86%	
134		Short-Term Reserve Cost Distribution Amount	\$	9,069		22,813		13,744	151.56%	
135		Day Ahead Spinning Reserve Amount	\$	(4,564)		(12,848)		(8,284)	181.51%	
136		Real Time Spinning Reserve Amount	\$	(1,021)		(4,263)		(3,243)	317.73%	
137		Spinning Reserve Cost Distribution Amount	\$	15,556		21,026		5,471	35.17%	
138		Day Ahead Supplemental Reserve Amount	\$	(30,067)		(15,348)		14,719	-48.95%	
139		Real Time Supplemental Reserve Amount	\$	6,715		3,375		(3,340)	-49.74%	
140		Supplemental Reserve Cost Distribution Amount	\$	3,557		3,688	\$	130	3.66%	
141		Contingency Reserve Deployment Failure Charge Amount	\$	24		-	\$	(24)	-100.00%	
142		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	Purchas	ed Power								
151			[PRC	DTECTED DA	ТА В	EGINS				
152		Edgelev 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	t i							MISO and SPP Energy Only
161							F	ROTECT	ED DATA ENDSI	
162		Total Purchases	s	5,679,698	s	11,484,484				Tribal (WAPA) excluded from Total
163			*	5,010,000	Ť	,,04		,	.02.2076	
164	Wind Cu	ırtailment	\$	20,396	¢	1,755	¢	(18,641)	-91.40%	
165		a commone	*	20,350	*	1,755	*	(10,041)	-31.40 /6	
165	Accot P	ased Sales	\$	(439,022)	¢	(1,003,609)	¢	(564 586)	128 60%	Credit to MN FCA Calculation - Subtracted from Total
167		Fuel Costs	P \$	(206,264)		(717,819)		(511,555)	248.01%	
167		Asset Based Margins	A 43	(232,759)		(285,790)		(53,032)	246.01%	
169		Asser Dased Walgins	ş	(232,759)	φ	(205,790)	ę	(00,032)	22.70%	
169	Heat	ke Solar Generation Credit	s	(217,369)	¢	(304,704)	e	(87,335)		Effective January 2023
170	HOOL La	Re Solar Generation Credit	\$	(217,309)	\$	(304,704)	\$	(01,005)	φU	LIEULIVE January 2023
171	Cteam D	Plant Reagents	s	143.671		120.951		(22,720)	¢ (0)	Effective July 2022 - Docket No. E017/GR-20-719
172	Sieam P	rant reagents	ş	143,671	\$	120,951	\$	(22,720)	ə (U)	Ellective July 2022 - Docket No. E017/GR-20-719
	Chaor: D	Vater Sales	s	(20.000)	-	(64.4.10)		(00.040)		Effective July 2000 Destruct No. 5047/CD 20 740
174	Steam/V	vater Sales	\$	(38,233)	\$	(61,442)	\$	(23,210)	ə 1	Effective July 2022 - Docket No. E017/GR-20-719
175		Resource Auction Revenues	-				-			
			\$		\$	(65,416)	5	-	. 0	Effective June 2022
176	Planning	Resource Auction Revenues				1001.007				
177										
		resource Auction Revenues	\$	10,085,639	\$	9,322,425		(763,214)		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

Г			October 20	23 Forecast to Act	ual - MWh	
ŀ			October 2023	October 2023		
Line	Plant G	eneration	Forecast [PROTECTED DA	Actual TA BEGINS		Notes
1		Big Stone		DEGING		
2		Coyote	E			the state and the the poor
3		Hoot Lake #2 Hoot Lake #3	_			Hoot Lake plant closed in May 2021
5				PROTECTED	DATA ENDS]	
6 7		Total Coal	146,516 [PROTECTED DA			
8		Langdon Wind	[INCIECTED DA	TA DEGINO		
9		Ashtabula Wind				
10		Ashtabula III Luverne Wind	_			
12		Merricourt	_			
13		Total Mind and Oalan	110 700	PROTECTED		
14 15		Total Wind and Solar	116,728	108,961		
16		Total Hydro	1,699	326		
17 18		Jamestown 1	[PROTECTED DA	ATA BEGINS		
10		Jamestown 1 Jamestown 2	-			
20		Lake Preston				
21 22		Total Oil - Peaking Units		PROTECTED	DATA ENDS]	
23			[PROTECTED DA	ATA BEGINS		
24 25		Natural gas - Solway	_			
25		Natural gas - Astoria		PROTECTED	DATA ENDS]	
27		Total Natural Gas	48,393	47,027		
28 29		Solar - Blue Jay	[PROTECTED DA	ATA BEGINS		
30		Solar - Blue Heron	E			
31		Solor - Hoot Lake		DEATEATER		
32 33		Total Solar	-	PROTECTED 3,051		
34						
35 36		Total OTP-Owned	313,336	266,436		
36		ale Market Charges				
38		MISO Wholesale Market Charges				
39 40	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
41	555.09	DA Non-asset Energy Amount***	N/A	N/A		
42		RT Asset Energy Amount***	N/A	N/A		
43 44		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
45		DA Loss Amount	N/A	N/A		
46	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
47	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 51		RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55	555.05	DA Congestion	N/A	N/A		
56		RT FBT Congestion Amount	N/A	N/A		
57 58		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
59	555.15	FTR Monthly Allocation Amount	N/A	N/A		
60	555.17	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61 62		FTR Full Funding Guarantee Amount	N/A	N/A		
63	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
64 65	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
67 68		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	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	N/A N/A		
71 72	555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	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 RT Misc Amount	N/A N/A	N/A N/A		
76	555.27	RT Net Inadvertent Amount	N/A	N/A		
77	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78 79	555.63	DA Ramp Product	N/A N/A	N/A N/A		
80	555.64	RT Ramp Product	N/A	N/A		
81 82		RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
84 85	555.05	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	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 89		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
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 96	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
97	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98 99		RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
100	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
101	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
102 103	555.05 555.0e	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105		RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
106 107	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
108	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109 110	555.14 555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.17	RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
113	555 23		N/A	N/A		
113 114 115	555.26	ARR Closeout Yearly Amount				
113 114 115 116	555.26 555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
113 114 115	555.26 555.28 555.29	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount				
113 114 115 116 117	555.26 555.28 555.29 555.30 555.31	RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022

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121		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	İ	
141		Supplemental Reserve Cost Distribution Amount	N/A	N/A	İ	
142		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	İ	
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	Purchas	ed Power				
152						
			IPROTECTED DA	TA BEGINS		
		Edgelev PPA	[PROTECTED DA	TA BEGINS		
152 153 154		Edgeley PPA Langdon PPA	IPROTECTED DA	TA BEGINS		
153 154			IPROTECTED DA	TA BEGINS		
153 154 155		Langdon PPA	IPROTECTED DA	TA BEGINS		Not Acolicable to EAR - Excluded from Total
153 154		Langdon PPA Ashtabula III PPA Tribal (WAPA)	IPROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158		Langdon PPA Ashtabula III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED D#	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158 159 160		Langdon PPA Achtabia III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DA	ITA BEGINS		
153 154 155 156 157 158 159 160 161		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DA	PROTECTED	DATA ENDS1	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162		Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163		Langdon PPA Achtabia III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DA 		DATA ENDS]	
153 154 155 156 157 158 159 160 161 162 163 164		Langdon PPA Ashtabda III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smard Loads Smard Loads Biateral purchases Market Purchases Market Purchases Total Purchases	154,502	PROTECTED 256,260	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163 164		Langdon PPA Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED	DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Co	Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WiPA Energy imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment		PROTECTED 256,260 45		MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164	Wind Co	Langdon PPA Ashtabda III PPA Tribai (WAPA) WAPA Energy Imbalance Sharad Loads Smard Loads Smard Loads Biateral purchases Market Purchases Market Purchases Total Purchases	154,502	PROTECTED 256,260		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Co Asset B	Langdon PPA Langdon PPA Ashhabda III PPA Tribal (WAPA) WPAF Energy imbalance Shared Loads Shared Loads Shared Loads Bilderal purchases Market Purchases Total Purchases artailment ased Sales		PROTECTED 256,260 45		MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Co Asset B	Langdon PPA Langdon PPA Ashtabula III PPA Tribai (WAPA) WiPA Energy imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment		PROTECTED 256,260 45		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to NN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Co Asset B	Langdon PPA Langdon PPA Ashhabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Codes Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Fuel Costs		PROTECTED 256,260 45		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Co Asset B	Langdon PPA Langdon PPA Ashhabda III PPA Tribal (WAPA) WPAF Energy imbalance Shared Loads Shared Loads Shared Loads Bilderal purchases Market Purchases Total Purchases artailment ased Sales		PROTECTED 256,260 45		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to NN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Co Asset B	Langdon PPA Langdon PPA Langdon PPA Tribal (WAPA) WAPA Energy imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Courchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins	154,502 520 (8,197)	PROTECTED 256.260 45 (31,533)		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 167 168 169 170 171	Wind Co Asset B	Langdon PPA Langdon PPA Ashhabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Codes Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Fuel Costs		PROTECTED 256,260 45		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind C Asset B Steam F	Langdon PPA Langdon PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Cogen Bilateral purchases Market Purchases Total Purchases Total Purchases Fole Costs Asset Based Margins Plant Reagents	154,502 520 (8,197)	PROTECTED 256.260 45 (31,533)		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 155 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Wind C Asset B Steam F	Langdon PPA Langdon PPA Langdon PPA Tribal (WAPA) WAPA Energy imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Courchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins	154,502 520 (8,197)	PROTECTED 256.260 45 (31,533)		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171 172 173 174	Wind Cr Asset B Steam F Steam F	Langdon PPA Langdon PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Cogen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	154,502 520 (8,197)	PROTECTED 256.260 45 (31,533) -		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind Cr Asset B Steam F Steam F	Langdon PPA Langdon PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Cogen Bilateral purchases Market Purchases Total Purchases Total Purchases Fole Costs Asset Based Margins Plant Reagents	154,502 520 (8,197)	PROTECTED 256.260 45 (31,533)		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind Co Asset B Steam f Steam/ Plannin	Langdon PPA Langdon PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Cogen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales	154,502 520 (8,197)	PROTECTED 256.280 45 (31,533) -		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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Г		October 2022	Forecast to Actual	- \$ per MWh	
_		October 2023	October 2023		
Line	Plant Constation	Forecast [PROTECTED DA	Actual		Notes
1	Plant Generation Big Stone	JPROTECTED DA	TA BEGINS		
2	Coyote				
3 4	Total Coal	\$ 22.57	PROTECTED \$ 26.06		
5		[PROTECTED DA	TA BEGINS		
6	Langdon Wind	-			
7 8	Ashtabula Wind Ashtabula III	+			
9	Luverne Wind	İ			
10	Merricourt		PROTECTED		
11 12	Total Wind	s -	\$ -	DATA ENDS	
13					
14 15	Total Hydro	\$ - [PROTECTED DA	\$ -		
16	Jamestown 1	[FROTECTED DA	TA BEGING		
17	Jamestown 2	_			
18 19	Lake Preston		PROTECTED	DATA ENDSI	
20	Total Oil - Peaking Units	s -	s -	DATA ENDOJ	
21		[PROTECTED DA	TA BEGINS		
22 23	Natural gas - Solway Natural gas - Astoria	ł			
24			PROTECTED	DATA ENDS]	
25 26	Total Natural Gas	\$ 33.02 [PROTECTED DA	\$ 27.76		
20	Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
28	Solar - Blue Heron	F	-		
29 30	Solar - Hoot Lake	 	PROTECTED		
31	Total Solar	\$-	0		
32					
33 34	Total OTP-Owned	\$ 55.59	\$ 53.82		
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37 38	555.02 DA Asset Energy Amount*** 555.04 DA FBT Loss Amount	N/A N/A	N/A N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount*** 555.24 RT Distribution of Losses Amount	N/A	N/A		
41 42	555.24 RT Distribution of Losses Amount 555.21 RT FBT Loss Amount	N/A N/A	N/A N/A		
43	DA Loss Amount	N/A	N/A		
44 45	RT Loss Amount 555.26 RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
45	555.08 DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48 49	555.32 RT Virtual Energy Amount 555.01 DA Mkt Admin Amount	N/A N/A	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 53	555.03 DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	RT Congestion	N/A	N/A		
56 57	555.14 FTR Hourly Allocation Amount 555.15 FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58	555.17 FTR Yearly Allocation Amount	N/A			
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60 61	555.36 FTR Full Funding Guarantee Amount 555.37 FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63 64	555.38 FTR Annual Transaction Amount 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72	555.42 RT Price Volatility Make Whole Payment 555.28 RT Revenue Neutrality Uplift Amount	N/A N/A	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 76	555.31 RT Uninstructed Deviation Amount 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 80	555.65 RT Schedule 49 Cost Distribution Amount 555.55 RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82 83	555.05 DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84	555.06 DA Losses Rebate on COGA 555.22 RT Congestion Rebate on COGA	N/A N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86 87	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88	Total MISO Wholesale Market Charges				
89	CDD Whelesele Ne to 1 Observe	L			
90 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 95	555 RT Non-Asset Energy Amount 555.02 DA Make-Whole-Payment Distribution Amount	N/A N/A	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 99	555.15 RT Revenue Neutrality Uplift Distribution Amount 555.04 DA Regulation-Down Distribution Amount	N/A N/A	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			
102 103	555.07 DA Supplemental Reserve Distribution Amount 555.08 RT Contingency Reserve Deployment Failure Amount	N/A N/A	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		
106 107	555.13 RT Regulation Non-Performance Distribution Amount 555.14 RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109 110	555.17 RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.2 RT Pseudo Tie Congestion Amount 555.21 RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113 114	555.26 ARR Closeout Yearly Amount 555.28 RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
114	555.29 RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
116	555.30 RT Schedule 1A4 Amount	N/A	N/A		
117 118	555.31 DA Ramp Up Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022
118 119	555.32 DA Ramp Down Distribution Amount 555.33 RT Ramp Non Performance Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022
	555.34 RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
120	333.34 INT Namp Op Distribution Amount				

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RT Ramp Down Distribution Amount DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount AGT Carve Out Distribution Deployment Yearly Amount Day Afead Regulation Amount Read Time Regulation Amount Regulation Cast Distribution Amount Day Ahead Short-Term Reserve Amount Read Time Schot-Term Reserve Amount Day Ahead Short-Term Reserve Amount Read Time Schnring Reserve Amount Day Ahead Spinning Reserve Amount Day Ahead Spinning Reserve Amount Day Ahead Spinning Reserve Amount Day Ahead Spinning Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Supplemental Reserve Amount Read Time Reserve Amount Read Time Reserve Amount Read Time Reserve Amount Read Time Reserve Amount Read Time Reserve Amount Read Time Reserve Amount R	N/A N/A	NAA N/A N/A N/A N/A N/A N/A N/A N/A N/A		New charge type in 2022
DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges MISO ASM Day Ahead Regulation Amount Regulation Cast Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Real Time Short-Term Reserve Amount Real Time Shinri Reserve Amount Bay Ahead Spinning Reserve Amount Real Time Shinri Reserve Amount Spinning Reserve Cast Distribution Amount Day Ahead Spinning Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cast Distribution Amount Contingency Reserve Deployment Failure Charge Amount Short-Term Reserve Amount Short-Term Reserve Amount	NA N/A	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA		
DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges MISO ASM Day Ahead Regulation Amount Real Time Regulation Amount Real Time SchotT-Term Reserve Amount Real Time SchotT-Term Reserve Amount Real Time SchortTerm Reserve Amount Real Time Schning Reserve Amount Real Time Schning Reserve Amount Real Time Schning Reserve Amount Real Time Schning Reserve Amount Day Ahead Supplemental Reserve Amount Day Ahead Supplemental Reserve Amount Day Ahead Supplemental Reserve Amount Cashingency Reserve Deployment Falure Charge Amount Contingency Reserve Deployment Falure Charge Amount Short-Term Reserve Deployment Falure Charge Amount Short-Term Reserve Deployment Falure Charge Amount Short-Term Reserve Deployment Falure Charge Amount Short-Term Reserve Deployment Falure Charge Amount Short-Term Reserve Deployment Falure Charge Amount Short-Term Reserve Deployment Falure Charge Amount	N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Total SPP Wholesale Market Charges MISO ASM Day Ahead Regulation Amount Real Time Regulation Amount Regulation Cast Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Cast Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cast Distribution Amount Day Ahead Spinning Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Real Time Reserve Amount Real Time Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Reserve Amount Real Time Supplemental Reserve Amount Real Time Reserve Amount Real Time Reserve Amount Real Time Reserve Re	NIA. NIA.	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
MISO ASM Day Ahead Regulation Amount Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Cav Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Real Time Reserve Amount Real Time Reserve Amount Real Time Reserve Amount Real Time Amount Contingency Reserve Deployment Failure Charge Amount Real Time Reserve Amount Real Time Reserve Amount Real Time Amount Contingency Reserve Deployment Failure Charge Amount Real Time Reserve Amount Real Reserve Reserve Amount Real Time Reserve Amount Real Time Reserve Amount Real Time Reserve Amount Real Reserve Reserve Reserve	N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Day Ahead Regulation Amount Real Time Fequilation Amount Regulation Cost Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Amount Real Time Shorining Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Supplemental Reserve Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Scessive Deficient Energy Deplyoment Charge Amount Contingency Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount	N/А N/А	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Day Ahead Regulation Amount Real Time Fequilation Amount Regulation Cost Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Amount Real Time Shorining Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Supplemental Reserve Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Scessive Deficient Energy Deplyoment Charge Amount Contingency Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount	N/А N/А	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Real Time Regulation Amount Requiation Cast Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Real Time Short-Term Reserve Amount Day Ahead Spinning Reserve Amount Real Time Short-Term Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Day Ahead Spinning Reserve Amount Day Ahead Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplement Reserve Despioyment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/А N/А	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Regulation Cost Distribution Amount Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplement Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Sucessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Day Ahead Supplemental Reserve Amount Bay Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cast Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Real Time Short-Term Reserve Amount Short-Term Reserve Amount Day Ahead Spinning Reserve Amount Bay Inter Spinning Reserve Amount Spinning Reserve Cast Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplement Reserve Amount Real Time Supschwart Failure Charge Amount Real Time Supschwart Failure Charge Amount Real Time Supschwart Failure Charge Amount Real Time Supschwart Failure Charge Amount Real Time Supschwart Failure Charge Amount Real Time Supplement Reserve Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A		
Short-Term Reserve Cost Distribution Amount Day Ahead Sprinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Exaessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A		
Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency: Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A		
Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Falure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Falure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A		
Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contineency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A N/A	N/A N/A N/A		
Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A N/A	N/A N/A N/A		
Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A	N/A N/A		
Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A N/A	N/A		
Short-Term Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount	N/A N/A			
Net Regulation Adjustment Amount	N/A	N/A		
		N/A		
	1			
Total Wholesale Market Charges				
ased Power				
	IPROTECTED DA	TA BEGINS		
Edgeley PPA				
Langdon PPA	T			
Ashtabula III PPA	-			
Tribal (WAPA)	-			Not Applicable to EAR - Excluded from Total
WAPA Energy Imbalance	T			
Shared Loads	T			
Small Co-gen	T			
Bilateral purchases				
Market Purchases				MISO and SPP Energy Only
			DATA ENDS]	
Total Purchases	\$ 36.76	\$ 44.82		Tribal (WAPA) excluded from Total
Curtailment	\$ 39.22	\$ 39.00		
Based Sales	\$ 53.56	\$ 31.83		
				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Fuel Costs	N/A	N/A		Based Sales
				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Asset Based Margins	N/A	N/A		Based Sales
Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
/Water Sales	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
	N/A	N/A		Effective June 2022
ng Resource Auction Revenues				
		\$ 18.98		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
	uraliment Jased Sales Fuel Costs Asset Based Margins Plant Reagents Water Sales g Resource Auction Revenues		Total Purchases \$ 36.76 \$ 44.82 urtailment \$ 39.22 \$ 39.00 ased Sales \$ 53.56 \$ 31.83 Fuel Costs N/A N/A Asset Based Margins N/A N/A Plant Reagents N/A N/A Water Sales N/A N/A g Resource Auction Revenues N/A N/A	urtailment \$ 39.22 \$ 39.00 Jased Sales \$ 53.56 \$ 31.83 Fuel Costs N/A N/A Asset Based Margins N/A N/A Plant Reagents N/A N/A Water Sales N/A N/A Resource Auction Revenues N/A N/A

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[2023 Forecast to Ac	ctual - Expens	e (Revenue)	
			November 2023 Forecast	November 2023 Actual			Notes
Line 1	Plant G		PROTECTED DA		-		
2		Big Stone Coyote	-				
3		Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021
5						ED DATA ENDS]	
6 7		Total Coal	\$ 4,614,288 [PROTECTED DA		\$ (1,476,460)	-32.00%	
8		Langdon Wind Ashtabula Wind		· · · · ·			
10		Luverne Wind	_				
11 12		Merricourt			PROTECT	ED DATA ENDS	
13		Total Wind	\$-	\$-	\$ -	0	
14 15		Total Hydro	s -	s -	s -	0	
16			[PROTECTED DA	TA BEGINS			
17 18		Jamestown 1 Jamestown 2	-				
19 20		Lake Preston			PROTECT	ED DATA ENDS	
21		Total Oil - Peaking Units				0	
22 23		Natural gas - Solway	[PROTECTED DA	TA BEGINS	I	· .	
24		Natural gas - Astoria	-	·			
25 26		Total Natural Gas	\$ 1,474,421	\$ 1,376,201	\$ (98,220)	ED DATA ENDS] -6.66%	
27			JPROTECTED DA	TA BEGINS			
28 29		Solar - Blue Jay Solar - Blue Heron	-				
30 31		Solar - Hoot Lake		rt	PROTECT	ED DATA ENDS]	
32		Total Solar	\$-	\$-	\$ -	0	
33 34		Total OTP-Owned	\$ 6,088,709	\$ 4,543.361	\$ (1,545,348)	-25.38%	
35	14/11						
36 37		ale Market Charges MISO Wholesale Market Charges					
38 39	555.02	DA Asset Energy Amount*** DA FBT Loss Amount			\$- \$-	0	Energy Amounts - included/embedded within Market Purchases
40	555.09	DA Non-asset Energy Amount***	\$-		\$ -	0	Energy Amounts - included/embedded within Market Purchases
41 42	555.19	RT Asset Energy Amount***	\$ - \$ (226,861)	\$ - \$ (199,329)	\$ - \$ 27,532	0	Energy Amounts - included/embedded within Market Purchases
43	555.21	RT FBT Loss Amount	\$-	\$-	\$	0	
44 45		DA Loss Amount RT Loss Amount	\$ 597,217 \$ 38,151			22.16% 87.00%	
46		RT Non-Asset Energy Amount***	\$-	\$-	\$-		Energy Amounts - included/embedded within Market Purchases
47 48	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	<u>\$</u> - \$-		\$ ·	0	
49	555.32		\$ - \$ 72,416		\$ -	0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.18	RT Mkt Admin Amount	\$ 72,416 \$ 9,615			1.96%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.13	FTR Mkt Admin Amount DA FBT Congestion Amount	\$ 1,821 \$ -			-23.49%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion	\$ 444,086	\$ 4,609,934	\$ 4 165 848	938.07%	
55 56		RT FBT Congestion Amount RT Congestion	\$ - \$ 36,290	\$ - \$ 786.081	\$ - \$ 749,791	0 2066.11%	
57	555.14	FTR Hourly Allocation Amount	\$ (752,314)	\$ (8,946,536)	\$ (8,194,222)	1089.20%	
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (21,597) \$ -		\$ (136,627) \$ -	632.61% 0	
60 61			\$ - \$ (151,369)		\$ - \$ (335,243)	0 221.47%	
62	555.37	FTR Guarantee Uplift Amount	\$ 150,668	\$ 494,524	\$ 343,856	228.22%	
63 64	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (964,624) \$ 955,156	\$ (4,196,199) \$ 3,997,979	\$ (3,231,575) \$ 3,042,823	335.01% 318.57%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 10,056	\$ 3,548	\$ (6,508)	-64.72%	
66 67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ -	\$-	\$ (123,259) \$ -	195.56% 0	
68 69	555.10	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 19,340 \$ (2,097)		\$ (11,155) \$ (12,108)	-57.68% 577.52%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 61,051	\$ 5,326	\$ (55,726)	-91.28%	8
71 72	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (53,831) \$ (36,614)		\$ 53,831 \$ (79,118)	-100.00% 216.09%	
73 74	555.28	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 110,172	\$ 281,076	\$ 170,904	155.12%	
75	555.27	RT Net Inadvertent Amount	\$ 6,224 \$ (2,816)			22.02%	
76 77	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ - \$ 55,660	\$-	\$ - \$ (55.052)	0	
78	555.63	DA Ramp Product	\$ (317)	\$ (13,466)	\$ (13,149)	4152.12%	
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (362) \$ 7,267			34.19% 196.55%	+
81	555.55	RT ASM Non-Excessive Energy Amount***	\$-	\$ -	\$	0	Energy Amounts - included/embedded within Market Purchases
82 83	555.05	DA Congestion Rebate on COGA	\$-	\$ -	\$ - \$ -	0	
84 85	555.06				~ ·	0	
86		RT Loss Rebate on COGA	\$-	\$-	\$-	0	
87 88	·		\$-			0	
89 90		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)
91		SPP Wholesale Market Charges	_				
92 93		DA Asset Energy Amount*** DA Non-asset Energy Amount	\$ - \$ -	\$- \$-	\$ ·	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$ -	\$ -	\$	0	Energy Amounts - included/embedded within Market Purchases
95 96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	<u>\$</u> - \$-		\$ - \$ -	0	
97 98	555.10	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$ 183	\$ 101		-44.71%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 21	\$ (4)	\$ (25)	-118.22%	
100 101	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$ 11 \$ 23		\$ (3) \$ (8)	-29.76%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 24	\$ 11	\$ (14)	-56.24%	
103 104	555.07 555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 3 \$ (0)		\$ (0) \$ (0)		
105	555.11		\$ (46,383) \$ (0)	\$ (10.625)	\$ 35,758	-77.09%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (1)	\$ (0)	110.17%	
108 109	555.14	RT Regulation-Up Distribution Amount	\$ (1) \$ (0)	\$ (9)	\$ (9)		8
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 0	\$ 0	-302.17%	8
111 112	555.20		\$ (82,463) \$ (26,199)	\$ 2,720 \$ 16,635		-103.30% -163.49%	
112	555.23	Miscellaneous Amount	\$ (7)	\$-	\$ 7	-100.00%	
	555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ - \$ (0)	\$ 0			
115		RT Schedule 1A3 Amount	\$ 1	\$ 4	\$ 2	218.00%	
115 116	555.29		6	e 40			
115 116 117 118	555.29 555.30 555.31	RT Schedule 1A4 Amount DA Ramp Up Distribution Amount		\$ 2	\$ 2		New charge type in 2022
115 116 117	555.29 555.30 555.31 555.32	RT Schedule 1A4 Amount DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	\$- \$-	\$ 2	\$2 \$-	0	

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121	EEE 24	RT Ramp Up Distribution Amount	\$	-	\$ (2	\$ (2)	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$			\$ (2)		
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$	- 10		\$ -		New charge type in 2022
124		DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)		\$ 0	-85.71%	
125	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$		\$ -	\$ -	0	
126		Total SPP Wholesale Market Charges	\$ (154	,772)	\$ 8,875	\$ 163,647	-105.73%	
127								
128		MISO ASM						
129		Day Ahead Regulation Amount		,760)			12.99%	
130		Real Time Regulation Amount		.086)				
131		Regulation Cost Distribution Amount		,622	\$ 22,874		5.79%	
132		Day Ahead Short-Term Reserve Amount		,831)			48.85%	
133		Real Time Short-Term Reserve Amount	\$	980			-129.71%	
134		Short-Term Reserve Cost Distribution Amount		,069			37.72%	
135		Day Ahead Spinning Reserve Amount		,168)			330.89%	
136		Real Time Spinning Reserve Amount		,150)				
137		Spinning Reserve Cost Distribution Amount		,803			37.53%	
138		Day Ahead Supplemental Reserve Amount		,080)			-41.42%	
139		Real Time Supplemental Reserve Amount		,599			-6.28%	
140		Supplemental Reserve Cost Distribution Amount	\$ 2	,319			-27.22%	
141		Contingency Reserve Deployment Failure Charge Amount	\$	24		\$ (24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount		,451	\$ 4,355		77.68%	
143	555.69	Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$ -	\$-	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	Purchas	sed Power						
150 151			[PROTECTE	D DA	A BEGINS			
150			[PROTECTE	D DA	A BEGINS			
150 151			[PROTECTE	D DA	A BEGINS			
150 151 152		Edgeley PPA	[PROTECTE	D DA	A BEGINS			
150 151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PROTECTE - -	D DA	A BEGINS			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTE	D DA	A BEGINS			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA)	[PROTECTE	D DA	A BEGINS			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTE - - - - -	D DA	A BEGINS			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157		Edgelev PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	(PROTECTE - - - - - -	D DA	FA BEGINS			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	(PROTECTE - - - - - - -	D DA	FA BEGINS			Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158 159		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smard Loads Smard Loads	[PROTECTE - - - - - - - -	D DA	TA BEGINS	PROTEC1	ED DATA ENDS]	
150 151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smard Loads Smard Loads	- - - - -	D DA		PROTEC1 \$ 1,906,086		
150 151 152 153 154 155 156 157 158 159 160 161		Edgelev PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	- - - - -					MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabula II PPA Total (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 7,426		\$ 9,332,992	\$ 1,906,086		MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Langdon PPA Ashtabula II PPA Total (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 7,426	,906	\$ 9,332,992	\$ 1,906,086	25.66%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind C	Edgelev PPA Langdon PPA Ashtabula II PPA Total (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 7,426 \$ 17 \$ 17	,906 ,161 ,090)	\$ 9,332,992 \$ 21,016 \$ (858,513	\$ 1,906,086 \$ 3,856 \$ (591,423)	25.66% 22.47%	MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Co Asset B	Edgelev PPA Langdon PPA AAhabula III PPA Tribai (WAPA) WAPA Energy Imbalance WAPA Energy Imbalance Srnat Loads Srnat Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132	,906 ,161	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692)	25.66% 22.47% 221.43% 365.65%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind C	Edgelev PPA Langdon PPA AAhabula III PPA Tribai (WAPA) WAPA Energy Imbalance WAPA Energy Imbalance Srnat Loads Srnat Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132	,906 ,161 ,090)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974	\$ 1,906,086 \$ 3,856 \$ (591,423)	25.66% 22.47% 221.43%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166 166 166 167	Wind C	Edgelev PPA Langdon PPA Achtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132	,906 ,161 ,090) ,282)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692)	25.66% 22.47% 221.43% 365.65%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind C Asset B	Edgelev PPA Langdon PPA AAhabula III PPA Tribai (WAPA) WAPA Energy Imbalance Smart Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Intailment ased Sales Fuel Costs Asset Based Margins	\$ 7,426 \$ 17 \$ 1267 \$ (132 \$ (134	,906 ,161 ,090) ,282)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732)	25.66% 22.47% 221.43% 365.65% 79.92%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 161 162 163 164 165 166 167 168 169	Wind C Asset B	Edgelev PPA Langdon PPA AAhabula III PPA Tribai (WAPA) WAPA Energy Imbalance Smart Co-gen Biateral purchases Market Purchases Total Purchases Total Purchases Intailment ased Sales Fuel Costs Asset Based Margins	\$ 7,426 \$ 17 \$ 1267 \$ (132 \$ (134	,906 ,161 ,090) ,282) ,807)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519	25.66% 22.47% 221.43% 365.65% 79.92% \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA AAhabuda III PPA Tribai (VAPA) WAPA Energy Imbalance Strate Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132 \$ (134 \$ (160	,906 ,161 ,090) ,282) ,807)	\$ 9,332,992 \$ 21,016 \$ (856,513 \$ (615,974 \$ (242,539 \$ (119,745	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519	25.66% 22.47% 221.43% 365.65% 79.92% \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA AAhabuda III PPA Tribai (VAPA) Shared Loads Smail Co-gen Biateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132 \$ (134 \$ (160	,906 ,161 ,282) ,807) ,264)	\$ 9,332,992 \$ 21,016 \$ (856,513 \$ (615,974 \$ (242,539 \$ (119,745	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519	25.66% 22.47% 221.43% 365.65% 79.92% \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172	Wind Cr Asset B Hoot La Steam F	Edgelev PPA Langdon PPA Langdon PPA A Ashabula II PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilatera purchases Market Purchases Total Purchases Total Purchases Res Fuel Costs Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132 \$ (132 \$ (134 \$ (160 \$ (160 \$ 202	,906 ,161 ,282) ,807) ,264)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539 \$ (119,745 \$ 207,355	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519 \$ 5,085	25.66% 22.47% 221.43% 305.65% 79.92% \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171 172 173	Wind Cr Asset B Hoot La Steam F	Edgelev PPA Langdon PPA Langdon PPA A Ashabula II PPA Tribai (VAPA) VIAPA Energy Imbalance Strand Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132 \$ (132 \$ (134 \$ (160 \$ (160 \$ 202	,906 ,161 ,282) ,807) ,264) ,270	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539 \$ (119,745 \$ 207,355	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519 \$ 5,085	25.66% 22.47% 221.43% 305.65% 79.92% \$ (0) \$ 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171 172 173 174	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA A Ashabula II PPA Tribai (WAPA) WAPA Energy imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Kased Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents Water Sales	\$ 7,426 \$ 7,426 \$ 17 \$ (267 \$ (132 \$ (132 \$ (134 \$ (160 \$ (160 \$ 202	,906 ,161 ,090) ,282) ,264) ,270 ,941)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539 \$ (119,745 \$ 207,355	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519 \$ 5,085 \$ (87,432)	25.66% 22.47% 221.43% 365.65% 79.92% \$ (0) \$ 0 \$ 9	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 167 168 167 170 171 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA A Ashabula II PPA Tribai (WAPA) WAPA Energy imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Kased Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents Water Sales	\$ 7,426 \$ 17 \$ (267 \$ (132 \$ (134 \$ (134 \$ (136 \$ (136 \$ (136)	,906 ,161 ,090) ,282) ,264) ,270 ,941)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539 \$ (119,745 \$ 207,355 \$ (97,373	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519 \$ 5,085 \$ (87,432)	25.66% 22.47% 221.43% 365.65% 79.92% \$ (0) \$ 0 \$ 9	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/ Plannin	Edgelev PPA Langdon PPA Langdon PPA A Ashabula II PPA Tribai (WAPA) WAPA Energy imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Kased Sales Fuel Costs Asset Based Margins Ke Solar Generation Credit Plant Reagents Water Sales	\$ 7,426 \$ 17 \$ (267 \$ (132 \$ (134 \$ (134 \$ (136 \$ (136 \$ (136)	,906 .161 .282) .282) .264) .270 .941)	\$ 9,332,992 \$ 21,016 \$ (858,513 \$ (615,974 \$ (242,539 \$ (119,745 \$ 207,355 \$ (97,373 \$ (57,510	\$ 1,906,086 \$ 3,856 \$ (591,423) \$ (483,692) \$ (107,732) \$ 40,519 \$ 5,085 \$ (87,432)	25.66% 22.47% 221143% 365.65% 79.92% \$ (0) \$ 0 \$ 9 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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			November 2	022 Forecast to Ac	tual - MWh	
ľ			November 2023	November 2023		
Line	Plant G	eneration	Forecast [PROTECTED DA	Actual TA BEGINS		Notes
1 2		Big Stone Coyote	_			
3		Hoot Lake #2				Hoot Lake plant closed in May 2021
4		Hoot Lake #3		PROTECTED	DATA ENDS]	
6		Total Coal	175,414 [PROTECTED DA	168,757		
7 8		Langdon Wind	PROTECTED DA	TA BEGINS		
9 10		Ashtabula Wind Ashtabula III	_			
11		Luverne Wind	_			
12 13		Merricourt		PROTECTED	DATA ENDSI	
14		Total Wind and Solar	95,245	116,642		
15 16		Total Hydro	1,644	609		
17			[PROTECTED DA	TA BEGINS		
18 19		Jamestown 1 Jamestown 2	_			
20 21		Lake Preston		PROTECTED		
22		Total Oil - Peaking Units	-			
23 24		Natural gas - Solway	[PROTECTED DA	TA BEGINS		
25		Natural gas - Astoria		PROTECTED		
26 27		Total Natural Gas	39,126	44,061	DATA ENDS	
28 29		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
30		Solar - Blue Heron	_			
31 32		Solor - Hoot Lake		PROTECTED	DATA ENDS	
33		Total Solar		3,914		
34 35		Total OTP-Owned	311,428	333,983		
36 37	Wholes	ale Market Charges				
38		MISO Wholesale Market Charges				
39 40	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
41	555.09	DA Non-asset Energy Amount***	N/A	N/A		
42 43		RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
44		RT FBT Loss Amount	N/A	N/A		
45 46		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
47 48	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
49	555.12	DA Virtual Energy Amount	N/A	N/A		
50 51	555.32 555.01	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55		DA Congestion	N/A	N/A		
56 57	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
58 59	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
60	555.17	FTR Yearly Allocation Amount	N/A	N/A		
61 62		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
63 64		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
65	555.38	FTR Annual Transaction Amount	N/A	N/A		
66 67		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
68 69		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
70	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A	N/A		
74 75	555.25	RT Misc Amount	N/A N/A	N/A N/A		
76 77		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
78 79	555.59	RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
80	555.64	DA Ramp Product RT Ramp Product	N/A	N/A		
81 82	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
84 85	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
86 87	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
88	535.23	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A		
89 90		Total MISO Wholesale Market Charges				
91						
92 93	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
94 95	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
96	555	RT Non-Asset Energy Amount	N/A	N/A		
97 98	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100 101	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
102 103		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105 106	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
107 108	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
109	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
110 111	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
112	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
113 114	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
115 116	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
117	555.29	RT Schedule 1A3 Amount	N/A	N/A		
118 119		RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022
120		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022

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121 122					
	555.33 RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
	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		
130	Real Time Spinning Reserve Amount	N/A	N/A		
137	Spinning Reserve Cost Distribution Amount	N/A	N/A		
138	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 DA	ATA 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 ENDSI	
163	Total Purchases	198.089	218.013	DATA ENDO	Tribal (WAPA) excluded from Total
163	Total Purchases	130,009	210,013		
165	Wind Curtailment	438	536		
165	Wind Gurtaiment	430	536		
165	Asset Based Sales	(4,661)	(23,015)		Credit to MN FCA Calculation - Subtracted from Total
10/	Asset Dased Sales	(4,661)	(23,015)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
100	F				
168	Fuel Costs				Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
169	Asset Based Margins				Based Sales
170	Steam Plant Reagents	-	-		Effective July 2022 - Docket No. E017/GR-20-719
171					
171 172					
171 172 173	Steam/Water Sales	-			Effective July 2022 - Docket No. E017/GR-20-719
171 172 173 174		-	-		
171 172 173 174 175	Steam/Water Sales Planning Resource Auction Revenues				Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
171 172 173 174					

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Г			November 2022	Precast to Actua	l - \$ per MWh	
				November 2023		
			Forecast	Actual		Notes
Line 1		neration Big Stone	[PROTECTED DA	TA BEGINS		
2		Coyote	-			
3				PROTECTED	DATA ENDS]	
4		Total Coal	\$ 26.31 [PROTECTED DA			
6		Langdon Wind	IFROTECTED DA	TA BEGING		
7		Ashtabula Wind	_			
8		Ashtabula III	_			
9 10		Luverne Wind Merricourt	-			
11				PROTECTED	DATA ENDS]	
12		Total Wind	\$-	\$-		
13 14		Total Hydro	s -	•		
14		Total Hydro	PROTECTED DA			
16		Jamestown 1				
17		Jamestown 2				
18 19		Lake Preston		PROTECTED	DATA ENDSI	
20		Total Oil - Peaking Units	\$-	s -		
21			[PROTECTED DA	TA BEGINS		
22 23		Natural gas - Solway Natural gas - Astoria	-			
24		Natural gas - Astonia		PROTECTED	DATA ENDS]	
25		Total Natural Gas		\$ 31.23		
26 27		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
28		Solar - Blue Heron	-			
29		Solar - Hoot Lake	-			
30			-	PROTECTED	DATA ENDS]	
31 32		Total Solar	> -	0		
33		Total OTP-Owned	\$ 63.99	\$ 49.83		
34						
35	Wholesa	ile Market Charges MISO Wholesale Market Charges				
36 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*** RT Asset Energy Amount***	N/A	N/A		
40 41	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
42	555.21	RT FBT Loss Amount	N/A N/A	N/A N/A		
43		DA Loss Amount	N/A	N/A		
44		RT Loss Amount RT Non-Asset Energy Amount***	N/A	N/A		
45 46	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12	DA Virtual Energy Amount	N/A	N/A		
48		RT Virtual Energy Amount	N/A	N/A		
49 50	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51		FTR Mkt Admin Amount	N/A	N/A		
52	555.03	DA FBT Congestion Amount	N/A	N/A		
53 54	555.0	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55		RT Congestion Amount	N/A N/A	N/A N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
57		FTR Monthly Allocation Amount	N/A	N/A		
58 59	555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	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 63	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	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 68		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	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 72		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
74		RT Net Inadvertent Amount	N/A	N/A		
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
76		DA Ramp Product	N/A N/A	N/A N/A		
78	555.64	RT Ramp Product	N/A	N/A		
79		RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80 81	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	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 85	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
86	000.20	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A		
87						
88		Total MISO Wholesale Market Charges				
89 90	l:	SPP Wholesale Market Charges				
91	555.19	DA Asset Energy Amount***	N/A	N/A		
92		DA Non-asset Energy Amount	N/A	N/A		
93 94	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	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 98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
90		DA Regulation-Down Distribution Amount	N/A N/A	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		
102 103	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A N/A		
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
106 107	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
107		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	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		RT Pseudo Tie Loss Amount	N/A	N/A		
112 113		Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	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		
116 117		RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	N/A N/A	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
119 120		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
	JJJJ.34	RT Ramp Up Distribution Amount	N/A	N/A	1	New charge type in 2022

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555.35 RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
555.01 DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		New charge type in 2022
Total of 1 Wholebald Market on algoe				
MISO ASM				
	N/A	N/A		
	N/A	N/A		
I OTAI MISU ASM				
Tetelinii deele Meder Oleman				
l otal wholesale Market Charges				
Durkey (D				
	PROTECTED DA	TA BEGINS		
	-			
	-			Not Applicable to EAR - Excluded from Total
	-			
	-			
Market Purchases				MISO and SPP Energy Only
			DATA ENDS	
Total Purchases	\$ 37.49	\$ 42.81		Tribal (WAPA) excluded from Total
Wind Curtailment	\$ 39.22	\$ 39.21		
Asset Based Sales	\$ 57.30	\$ 37.30		
				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Fuel Costs	N/A	N/A		Based Sales
				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Asset Based Margins	N/A	N/A		Based Sales
Steam Plant Reagents	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
Steam/Water Sales	N/A	N/A		Effective July 2022 - Docket No. E017/GR-20-719
Planning Resource Auction Revenues	N/A	N/A		Effective June 2022
Planning Resource Auction Revenues				
	\$ 26.38	\$ 18.16		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
	555.22 DA GFA Carve Out Distribution Deployment Monthly Amount 555.27 DA GFA Carve Out Distribution Deployment Yeark Menourt 555.27 DA GFA Carve Out Distribution Deployment Yeark Menourt Total SPP Wholesale Market Charges MISO ASM Day Ahead Regulation Amount Real Time Regulation Amount Read Time Regulation Amount Day Ahead Spinning Reserve Amount By Ahead Spinning Reserve Amount Short-Term Reserve Amount Short-Term Reserve Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Day Ahead Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Cost Distribution Amount Real Time Excessive Deficient Energy Deployment Charge Amount Short-Term Reserve Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Purchased Power Edgeley PPA Langdon PPA Ashtabula II PPA Trabal Quergen Bilateral purchases Market Purchases	555.22 DA GFA Carve Out Distribution Deployment Yearly Amount N/A 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A Total SPP Wholesale Market Charges N/A Day Ahead Regulation Amount N/A Real Time Regulation Amount N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Status N/A Read Time Spring Reserve Amount N/A Read Supplemental Reserve Amount N/A Sprining Reserve Amount N/A Read Time Spring Reserve Amount N/A Read Time Spring Reserve Amount N/A Supplemental Reserve Cost Distribution Amount N/A Supplemental Reserve Cost Distribution Amount N/A Read Time Excessive Deployment Failure Charge Amount N/A Read Time Excessive Deployment Failure Charge Amount N/A Net Regulation Adjustment Amount N/A Net Regulation Adjustment Amount N/A Net Regulation Adjustmen	555.22 DA GFA Carve Out Distribution Deployment Workty Amount N/A N/A 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A Diay Ahead Regulation Amount N/A N/A Real Time Regulation Amount N/A N/A NA N/A N/A Read Short-Term Reserve Amount N/A N/A Day Ahead Spinning Reserve Amount N/A N/A NA N/A N/A N/A NA N/A N/A N/A Day Ahead Spinning Reserve Amount N/A N/A NA N/A N/A N/A Spinning Reserve Amount N/A N/A Day Ahead Spinning Reserve Amount N/A N/A NA N/A N/A N/A Spinning Reserve Cost Distribution Amount N/A N/A Supplemental Reserve Amount N/A N/A Supplemental Reserve Cost Distribution Amount N/A N/A Supplemental Reserve Amount N/A N/A Continenecy Reserve Cost Distribution Amount N/A N/A Supplemental Reserve Rout Deployment Charage Amount N/A	555.22 DA GFA Carve Out Distribution Deployment Versity Amount N/A N/A 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A Disy Aread Regulation Amount N/A N/A N/A Day Aread Regulation Amount N/A N/A N/A Read Time Regulation Amount N/A N/A N/A Day Aread Sport-Term Reserve Amount N/A N/A N/A Day Aread Sport-Term Reserve Amount N/A N/A N/A Day Aread Spinning Reserve Amount N/A N/A N/A Short-Term Reserve Cast Distribution Amount N/A N/A N/A Day Aread Spinning Reserve Amount N/A N/A N/A Day Aread Supplemental Reserve Amount N/A N/A N/A Day Aread Supplemental Reserve Amount N/A N/A N/A Spinning Reserve Cost Distribution Amount N/A N/A N/A Real Time Spinning Reserve Cost Distribution Amount N/A N/A N/A Supplemental Reserve Deployment Failure Charge Amount N/A N/A N/A Short-Term Reserve Cost Distribution Amount N/A N/A N/A

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			Decembe	r 2023 Forecast to A	ctual - Expens	e (Revenue)	
			December 2023	December 2023			Notes
Line	Plant G	eneration	Forecast [PROTECTED D/	Actual ATA BEGINS			Notes
1	i iani G	Big Stone				•	
2		Coyote	-				Liest Lete elect stand in May 2004
3 4		Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021
5			-			ED DATA ENDS]	
6		Total Coal	\$ 7,233,255 [PROTECTED D/		\$ (3,055,780)	-42.25%	
8		Langdon Wind	IFROIECIEDD	ATA BEGING		1	
9		Ashtabula Wind	-				
10 11		Luverne Wind Merricourt	-				
12					PROTECT	ED DATA ENDS	
13		Total Wind	\$ -	\$ -	\$-	0	
14 15		Total Hydro	s -	s -	s -	0	
16			PROTECTED D		-		
17 18		Jamestown 1 Jamestown 2					
19		Lake Preston					
20			•			ED DATA ENDS]	
21 22		Total Oil - Peaking Units	\$ - [PROTECTED D/		\$ 276,951	0	
23		Natural gas - Solway	_				
24		Natural gas - Astoria		1	DROTECT	ED DATA ENDS	
25 26		Total Natural Gas	\$ 3,356,468	\$ 1.218.628	\$ (2,137,841)		
27			[PROTECTED D/	TA BEGINS			
28 29		Solar - Blue Jay Solar - Blue Heron	-				
30		Solar - Blue Helon Solar - Hoot Lake	-				
31						ED DATA ENDS]	
32 33		Total Solar	\$-	\$ -	\$-	0	
34		Total OTP-Owned	\$ 10,589,723	\$ 5,673,053	\$ (4,916,670)	-46.43%	
35	What	ala Markat Charges					
36 37		ale Market Charges MISO Wholesale Market Charges		-			
38	555.02	DA Asset Energy Amount***	\$-	\$ -	ş -		Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	<u>\$</u> - \$-	\$-	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (254,184)	\$ (322,324)		26.81%	
43 44		RT FBT Loss Amount DA Loss Amount	\$ - \$ 669,145	\$ - \$ 790,435	\$ - \$ 121,290	0 18.13%	
45		RT Loss Amount	\$ 42,746			145.42%	
46	555.26	RT Non-Asset Energy Amount***	\$ -	\$ -	s -	0	Energy Amounts - included/embedded within Market Purchases
47 48		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	<u>\$</u> - \$-	\$- \$-	s - s -	0	
49		RT Virtual Energy Amount	\$ -	\$ -	\$-	0	
50			\$ 93,345				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 12,880 \$ 2,552		\$ (3,115) \$ (1.012)	-24.19%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$-	\$ -	\$	0	
54 55	EEE 20	DA Congestion RT FBT Congestion Amount	\$ 497,572 \$ -	\$ 1,668,895 \$ -	\$ 1,171,323	235.41%	
56		RT Congestion	\$ 40,661		\$ 351,656	864.85%	
57	555.14	FTR Hourly Allocation Amount	\$ (842,922)	\$ (3,430,279)	\$ (2,587,357)	306.95%	
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (24,199 \$ -	\$ (102,469) \$ -	\$ (78,271) \$ -	323.45%	
60		FTR Monthly Transaction Amount	\$ -		\$ -	0	
61		FTR Full Funding Guarantee Amount	\$ (125,811)			30.28%	
62 63	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 140,814 \$ (936,249		\$ (5,833) \$ (2,683,771)	-4.14% 286.65%	
64	555.38	FTR Annual Transaction Amount	\$ 932,574	\$ 3,322,721	\$ 2,390,146	256.30%	
65		FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,776	\$ 8,060	\$ 3,284	68.77%	
66 67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ (45,139) \$ -	\$ (207,942) \$ -	\$ (162,803) \$ -	360.67%	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 14,755	\$ 12,842	\$ (1,912)	-12.96%	
69 70			\$ (3.624 \$ 61.051			-89.62%	
70		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 61,051 \$ (53,831		\$ (47,684) \$ 53,831	-78.11% -100.00%	
72	555.42	RT Price Volatility Make Whole Payment	\$ (36,614	\$ (56,440)	\$ (19,826)	54.15%	
73 74			\$ 110,172 \$ 6.224			19.97%	
74		RT Misc Amount RT Net Inadvertent Amount	\$ 6,224 \$ (2,816)				
76	555.31	RT Uninstructed Deviation Amount	\$-	\$ -	\$-	0	
77 78		RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ 48,126 \$ (3,341			-96.76% 16.94%	
79	555.64	RT Ramp Product	\$ (528	\$ (113)	\$ 415	-78.61%	
80		RT Schedule 49 Cost Distribution Amount	\$ 7,267	\$ 25,386			Energy Amounts included/ombadded within Medical Distance
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	<u>\$</u> - \$-	\$- \$-	\$- \$-	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83	555.05	DA Congestion Rebate on COGA	\$-	\$ -	\$	0	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	0	
60 86	555.23	RT Loss Rebate on COGA	s -	\$ -	s -	0	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	\$-		\$ 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				(1,201,040)	, , , , , , , , , , , , , , , , , , , ,	557.47/0	
91		SPP Wholesale Market Charges	¢	e	¢		Energy Amounts included/ombedded within Market Durchases
92 93	555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	<u>\$</u> - \$-	\$- \$-	s - s -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
95 96	555.00	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	<u>\$</u> - \$-	\$ - \$ -	\$ - \$ -	0	
96 97	555.10	RT Make-Whole-Payment Distribution Amount	\$ - \$ 183			-162.98%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$-	\$ -	\$ -	0	
99 100		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount		\$ 5 \$ (16)	\$ (16) \$ (27)		
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%	
103 104		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount		\$ (3) \$ -	\$ (6) \$ 0		
104	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$ (51,970				
106	555.12	RT Regulation-Down Distribution Amount	\$ (0)	\$ (4)	\$ (4)	14097.18%	
107 108		RT Regulation Non-Performance Distribution Amount		\$ <u>3</u> \$5			
108	555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount		\$ (0)			
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111 112		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	\$ (92,395 \$ (29,355				
113	555.23	Miscellaneous Amount	\$ (7)	\$ -	\$ 7		
114	555.26	ARR Closeout Yearly Amount	\$-	\$ -	\$ -	0	
115 116						5/936.36% -631.16%	
	555.30	RT Schedule 1A4 Amount	\$ 6	\$ (26)	\$ (32)	-541.64%	
117		DA Ramp Up Distribution Amount	\$ -	\$ (2)		0	New charge type in 2022
117 118 119			\$ -		\$ -	· · · ·	New charge type in 2022
113 114 115	555.23 555.26 555.28 555.29 555.30	Miscellaneous Amount Markan Amount ARR Closeout Vearly Amount RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount RT Schedule 1A4 Amount	\$ (7 \$ - \$ (0 \$ 1 \$ 6	\$ - \$ - \$ (3) \$ (6) \$ (26)	\$ 7 \$ - \$ (3) \$ (7) \$ (32)	-100.00% 0 57936.36% -631.16% -541.64% 0	

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121	EEE 24	RT Ramp Up Distribution Amount	\$		\$	(0)	¢	(0)	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	9 \$		ې \$		\$	(0)		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	9 55		ې \$	(18)		(29)	-274.77%	
123		DA GFA Carve Out Distribution Deployment Daily Amount	95	(0)		(18)		0	-74.55%	
124		DA GFA Carve Out Distribution Deployment Wonthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	э \$		э \$		\$	-	-74.55%	
125	555.27			(173,446)					-133.09%	
126		Total SPP Wholesale Market Charges	\$	(173,446)	\$	57,392	\$ 230	538	-133.09%	
		100.101						_		
128		MISO ASM		((22.22.1)				
129		Day Ahead Regulation Amount	\$	(46,508)		(35,704)		305	-23.23%	
130		Real Time Regulation Amount	\$	711		(10,232)		943)	-1539.55%	
131		Regulation Cost Distribution Amount	\$	19,391		19,659		268	1.38%	
132		Day Ahead Short-Term Reserve Amount	\$	(20,831)		(11,849)		981	-43.12%	
133		Real Time Short-Term Reserve Amount	\$		\$	426		555)	-56.58%	
134		Short-Term Reserve Cost Distribution Amount	\$	9,069		5,403		665)	-40.42%	
135		Day Ahead Spinning Reserve Amount	\$	(25,628)		(25,679)		(51)	0.20%	
136		Real Time Spinning Reserve Amount	\$	5,752		(11,050)		302)	-292.10%	
137		Spinning Reserve Cost Distribution Amount	\$	15,584		19,673		88	26.23%	
138		Day Ahead Supplemental Reserve Amount	\$	(14,524)		(1,669)		355	-88.51%	
139		Real Time Supplemental Reserve Amount	\$	5,005		849		156)	-83.04%	
140		Supplemental Reserve Cost Distribution Amount	\$	2,368		1,630		739)	-31.19%	
141		Contingency Reserve Deployment Failure Charge Amount	\$		\$		\$	(24)	-100.00%	
142		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,451		1,547		905)	-36.90%	
143		Short-Term Reserve Deployment Failure Charge Amount	\$		\$		\$	-	0	
144	555.49	Net Regulation Adjustment Amount	\$		\$	289		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	Purchas	sed Power								
150 151			[PROT	ECTED DA	TA BE	GINS		-		
150 151 152		Edgeley PPA	[PROT	ECTED DA	TA BE	GINS				
150 151 152 153		Edgeley PPA Langdon PPA	[PROT	ECTED DA	TA BE	GINS				
150 151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROT	ECTED DA	TA BE	GINS				
150 151 152 153		Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA)	[PROT	ECTED DA	TA BE	GINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROT	ECTED DA	TA BE	GINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA)	[PROT	ECTED DA	TA BE	GINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROT	ECTED DA	TA BE	GINS				Not Applicable to EAR - Excluded from Total
150 151 152 153 154 155 156 157 158 159		Edgelev PPA Lanodon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads	[PROT - - - - -	ECTED DA	TABE	GINS				
150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabuka III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTI - - - - -	ECTED DA	TABE	GINS		-		Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	[PROTI - - - - -	ECTED DA	TABE	GINS	PRO1	ECTE	ED DATA ENDS]	
150 151 152 153 154 155 156 157 158 159 160		Edgelev PPA Langdon PPA Ashtabuda III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	-	ECTED DA		GINS				
150 151 152 153 154 155 156 157 158 159 160 161		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	-							MISO and SPP Energy Only
150 151 152 153 154 155 156 157 158 159 160 161 162		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases	-		\$		\$ 1,023			MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163		Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	-	6,807,869	\$	7,831,291	\$ 1,023	122	15.03%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
150 151 152 153 155 156 157 158 159 160 161 162 163 164 165 166	Wind C	Edgelev PPA Langdon PPA Ashtabula II PPA Trota (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	<u>-</u> - - - - - - - - - - - - - - - - - -	6,807,869 (7,743) (1,496,561)	\$ \$ \$	7,831,291 3,737 (1,306,540)	\$ 1,023 \$ 11 \$ 190	422 480 021	15.03% -148.26% -12.70%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Co Asset B	Edgelev PPA Langdon PPA Achiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Stratel Loads Smatl Co-gen Bilateral purchases Market Purchases Total Purchases trailment	· · · · · · · · · · · · · · · · · · ·	6,807,869 (7,743) (7,743) (7,30,373)	\$ \$ \$	7,831,291 3,737 (1,306,540) (779,866)	\$ 1,023 \$ 11 \$ 190 \$ (49	422 480	15.03% -148.26% -12.70% 6.78%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 155 156 157 158 159 160 161 162 163 164 165 166	Wind C	Edgelev PPA Langdon PPA Ashtabuda III PPA Troba (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	<u>-</u> - - - - - - - - - - - - - - - - - -	6,807,869 (7,743) (1,496,561)	\$ \$ \$	7,831,291 3,737 (1,306,540)	\$ 1,023 \$ 11 \$ 190 \$ (49	422 480 021 493)	15.03% -148.26% -12.70%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166 167	Wind C	Edgelev PPA Langdon PPA Achtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Strared Loads Smarl Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (7,743) (7,30,373)	\$ \$ \$	7,831,291 3,737 (1,306,540) (779,866)	\$ 1,023 \$ 11 \$ 190 \$ (49	422 480 021 493)	15.03% -148.26% -12.70% 6.78%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 167 168 169 170	Wind C Asset B	Edgelev PPA Langdon PPA Achtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Strared Loads Smarl Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (7,743) (7,30,373)	\$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239	422 480 021 493)	15.03% -148.26% -12.70% 6.78% -31.26%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind C Asset B	Edgelev PPA Langdon PPA Achabula II PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Internet ased Sales Fuel Costs Asset Based Margins	• • • • • • • • • • • •	6,807,869 (7,743) (730,373) (766,188)	\$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239	422 480 021 493) 513	15.03% -148.26% -12.70% 6.78% -31.26%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 167 168 169 170	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA Achabula II PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smarl Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases Internet ased Sales Fuel Costs Asset Based Margins	• • • • • • • • • • • •	6,807,869 (7,743) (730,373) (766,188)	\$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 2	422 480 021 493) 513 374	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 167 171	Wind C Asset B Hoot La	Edgelev PPA Langdon PPA AAhabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Stared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (730,373) (766,188) (137,121)	\$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675) (134,247)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 2	422 480 021 493) 513 374	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 157 158 159 160 161 162 163 164 165 167 168 167 168 167 168 167 168 169 170 172	Wind Co Asset B Hoot La Steam F	Edgelev PPA Langdon PPA AAhabuda III PPA Tribai (WAPA) WAPA Energy Imbalance Stared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins ke Solar Generation Credit	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (730,373) (766,188) (137,121)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675) (134,247)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 2 \$ 2 \$ (109	422 480 021 493) 513 374	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 167 168 169 170 171 173	Wind Co Asset B Hoot La Steam F	Edgelev PPA Langdon PPA Langdon PPA AAbabda III PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smart Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Kaset Based Margins Ke Solar Generation Credit Plant Reagents	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (7496,561) (730,373) (766,188) (137,121) 326,818	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675) (134,247) 216,971	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 2 \$ 2 \$ (109	422 480 021 513 574 847)	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA A Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents Water Sales	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (1,496,561) (730,373) (766,188) (137,121) 326,818 (96,172)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675) (134,247) 216,971 (94,811)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 239 \$ 2 \$ (109 \$ 1	422 480 021 493) 513 874 847) 861	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0) \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	Wind C Asset B Hoot La Steam I Steam/	Edgelev PPA Langdon PPA Langdon PPA AAbabda III PPA Tribai (VAPA) WAPA Energy Imbalance Strard Loads Smart Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Kaset Based Margins Ke Solar Generation Credit Plant Reagents	• • • • • • • • • • • • • • • • • • •	6,807,869 (7,743) (1,496,561) (730,373) (766,188) (137,121) 326,818 (96,172)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675) (134,247) 216,971	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 239 \$ 2 \$ (109 \$ 1	422 480 021 513 574 847)	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0) \$ (0) \$ (0)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 168 167 168 167 168 167 168 167 168 167 168 167 168 169 170 171 173 174 175	Wind C Asset B Hoot La Steam I Steam/ Plannin	Edgelev PPA Langdon PPA Langdon PPA A Ashtabula III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Read Sales Fuel Costs Asset Based Margins ke Solar Generation Credit Plant Reagents Water Sales	<u>s</u>	6,807,869 (7,743) (1,496,561) (730,373) (766,188) (137,121) 326,818 (96,172)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7,831,291 3,737 (1,306,540) (779,866) (526,675) (134,247) 216,971 (94,811)	\$ 1,023 \$ 11 \$ 190 \$ (49 \$ 239 \$ 2 \$ (109 \$ 1 \$	422 480 021 493) 513 374 347) 361 -	15.03% -148.26% -12.70% 6.78% -31.26% \$ (0) \$ (0) \$ (0) 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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				023 Forecast to Ac December 2023 Actual		Notes
Line	Plant G	eneration	Forecast [PROTECTED DA			Notes
1 2		Big Stone Coyote	<u> </u>			
3		Hoot Lake #2	_			Hoot Lake plant closed in May 2021
4 5		Hoot Lake #3		PROTECTED	DATA ENDS]	
6 7		Total Coal	268,326 [PROTECTED D/	159,246 ATA BEGINS		
8		Langdon Wind				
9 10		Ashtabula Wind Ashtabula III				
11 12		Luverne Wind Merricourt				
13				PROTECTED	DATA ENDS]	
14 15		Total Wind and Solar	108,062	100,430		
16 17		Total Hydro	1,699 [PROTECTED D/	758		
18		Jamestown 1	_	TA DEGINO		
19 20		Jamestown 2 Lake Preston	_			
21		Total Oil - Peaking Units		PROTECTED 720	DATA ENDS]	
22 23		-	PROTECTED D			
24 25		Natural gas - Solway Natural gas - Astoria	_			
26		Total Natural Gas	77 407	PROTECTED	DATA ENDS]	
27 28			77,437 [PROTECTED D/	45,676 ATA BEGINS		
29 30		Solar - Blue Jay Solar - Blue Heron	_			
31		Solor - Hoot Lake	_			
32 33		Total Solar	-	PROTECTED 2,326	DATA ENDS]	
34 35		Total OTP-Owned	455,523	309,156		
36			400,023	303,100		
37 38		ale Market Charges MISO Wholesale Market Charges				
39 40	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
41	555.09	DA Non-asset Energy Amount***	N/A	N/A		
42 43	555.19 555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
44 45		DA Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
46		RT Loss Amount	N/A	N/A		
47 48	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
49	555.12	DA Virtual Energy Amount	N/A	N/A		
50 51	555.01	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
52 53		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
54	555.03	DA FBT Congestion Amount	N/A	N/A		
55 56	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
57		RT Congestion FTR Hourly Allocation Amount	N/A	N/A		
58 59	555.15	FTR Monthly Allocation Amount	N/A N/A			
60 61	555.17	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
62	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
63 64	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
65 66	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
67	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
68 69	555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
70 71	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
72	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
73 74	555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
75 76	555.25	RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
77	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
78 79	555.59 555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
80	555.64	RT Ramp Product	N/A	N/A		
81 82	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
83 84	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
85	555.06	DA Losses Rebate on COGA	N/A	N/A		
86 87	555.22 555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
88 89	-	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
90		Total MISO Wholesale Market Charges				
91 92		SPP Wholesale Market Charges				
93		DA Asset Energy Amount***	N/A	N/A		
94 95	555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
96 97	555	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
99 100	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
101	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A	N/A N/A		
102 103	555.06	DA Spinning Reserve Distribution Amount	N/A N/A	N/A		
104 105	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
106	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
107 108	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
109 110	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
112 113	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
114	555.23	Miscellaneous Amount	N/A	N/A		
115 116	555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
117 118	555.29	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	N/A N/A	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

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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		IPROTECTED DA	TA BEGINS		
153	Edgelev PPA	1.110120120.0/	DEGINO		
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	Market Forenadoo		PROTECTED	DATA ENDSI	initia and a r Enorgy only
163	Total Purchases	135,971	247,911	BAIAENDOJ	Tribal (WAPA) excluded from Total
	Total Fulchases	130,971	247,911		Tibal (WAFA) excluded from Total
164	Wind Curtailmont	(107)	95		
165	Wind Curtailment	(197)	95		
165 166					Cradii ta MN ECA Calculation Subtracted from Total
165	Wind Curtailment Asset Based Sales	(197) (23,847)	95 (27,983)		Credit to MN FCA Calculation - Subtracted from Total
165 166 167	Asset Based Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
165 166					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
165 166 167 168	Asset Based Sales Fuel Costs				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
165 166 167 168 169	Asset Based Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
165 166 167 168 169 170	Asset Based Sales Fuel Costs Asset Based Margins	(23,847)	(27,983)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
165 166 167 168 169 170 171	Asset Based Sales Fuel Costs				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
165 166 167 168 169 170 171 172	Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	(23,847)	(27,983)		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
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115 555.29 IRT Schedule 1A3 Amount N/A 116 555.30 IRT Schedule 1A4 Amount N/A 117 555.31 DA Ramp Up Distribution Amount N/A N/A 118 555.32 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		555.26	ARR Closeout Yearly Amount				
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	114						
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	116						
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	117	555.31	DA Ramp Up Distribution Amount	N/A	N/A		
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	118	555.32	DA Ramp Down Distribution Amount		N/A		New charge type in 2022
120 555.54 JK I KAMP UP Distribution Amount N/A N/A N/A N/A N/A N/A N/A N/A N/A		555.33	RT Ramp Non Performance Distribution Amount				
	120	555.34	KT Kamp op Distribution Amount	N/A	N/A	I	Inew charge type III 2022

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404	SSS OF DED. D. D. D. D. D. D. D. D. D. D. D. D. D	N1/A	NI/A		N
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	N/A N/A		
124 125	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount Total SPP Wholesale Market Charges		N/A		
125	Total SPP Wholesale Market Charges				
126	MISO ASM				
127	Day Ahead Regulation Amount	N/A	N/A		
128	Real Time Regulation Amount	N/A N/A	N/A N/A		
129	Regulation Cost Distribution Amount	N/A N/A	N/A N/A		
130	Day Ahead Short-Term Reserve Amount	N/A N/A	N/A N/A		
131	Real Time Short-Term Reserve Amount	N/A N/A	N/A N/A		
132	Short-Term Reserve Cost Distribution Amount	N/A	N/A		
133	Day Ahead Spinning Reserve Amount	N/A	N/A		
134	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		
140	Real Time Excessive Depicyment Paralle 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	Total mod Adm				
146	Total Wholesale Market Charges				
147					
148					
149	Purchased Power				
150		IPROTECTED DA	TA 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	Γ	-		
158	Bilateral purchases	-	-		
159	Market Purchases	-			MISO and SPP Energy Only
160			PROTECTED	DATA ENDS]	
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		
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166	Fuel Costs	N/A	N/A		Based Sales
I T					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167	Asset Based Margins	N/A	N/A		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
	Total System - Plant Level	\$ 28.22	\$ 20.66		Tribal (WAPA) excluded from Total; Asset Based Sales subtracte

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Г			Year to	Date 2023 Forecast	to Actual - Exp	ense (Revenue)	
-			YTD 2023		to Actual - Exp	ense (revenue)	
Line	Plant G	eneration	Forecast PROTECTED DA	YTD 2023 Actual TA BEGINS			Notes
1		Big Stone				' [
2		Covote Hoot Lake #2				-	Hoot Lake plant closed in May 2021
4		Hoot Lake #3					
5		Total Coal	\$ 66,172,634	\$ 43.373.589	PROTECT \$ (22,799,045)	ED DATA ENDS] -34.45%	
7			PROTECTED DA				
8		Langdon Wind Ashtabula Wind				-	
10		Luverne Wind					
11 12		Merricourt			PROTECT	ED DATA ENDS]	
13		Total Wind	\$-	\$-	\$ -	0	
14 15		Total Hydro	¢ .	s -	\$-	0	
16		I	PROTECTED DA	TA BEGINS	v -	,	
17		Jamestown 1 Jamestown 2				+	
19		Lake Preston					
20 21		Total Oil - Peaking Units	\$ 724,014	\$ 443.227	PROTECT \$ (280,787)	ED DATA ENDS] -38.78%	
22			PROTECTED DA		• (200,101)	00.10 %	
23 24		Natural gas - Solway Natural gas - Astoria				_	
25					PROTECT	ED DATA ENDS]	
26 27			\$ 31,300,943 PROTECTED DA	\$ 16,149,759	\$ (15,151,184)	-48.40%	
28		Solar - Blue Jay	FROTECTED DA	TA BEGING		'	
29 30		Solar - Blue Heron Solar - Hoot Lake				F	
31						ED DATA ENDS]	
32 33		Total Solar	\$ -	\$-	\$-	0	
34		Total OTP-Owned	\$ 98,197,591	\$ 59,966,575	\$ (38,231,017)	-38.93%	
35 36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38 39	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	<u>s</u> -		s - s -	0	Energy Amounts - included/embedded within Market Purchases
40	555.09	DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41 42	555.19	RT Asset Energy Amount***	\$ - \$ (2,639,661)		\$ - \$ (143,917)	0 5.45%	Energy Amounts - included/embedded within Market Purchases
43	555.21	RT FBT Loss Amount	ş -	\$ -	\$-	0	
44 45			\$ 6,948,972 \$ 443,908			2.21% 30.58%	
46	555.26	RT Non-Asset Energy Amount***	\$ -	\$ -	ş -	0	Energy Amounts - included/embedded within Market Purchases
47 48	555.08	DA Losses Rebate on Option B GFA	<u>\$</u> - \$-		s - s -	0	
49	555.32	RT Virtual Energy Amount	\$ -	\$-	\$ -	0	
50 51			\$ 895,602 \$ 118,920			-10.60% -10.37%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13	FTR Mkt Admin Amount	\$ 28,032			-29.85%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54	555.03		\$ - \$ 5,167,205		\$ - \$ 20,728,954	0 401.16%	
55	555.20	RT FBT Congestion Amount	\$-	\$-	\$-	0	
56 57	555 14	RT Congestion FTR Hourly Allocation Amount	\$ 422,256 \$ (8,753,618)	\$ 3,641,167 \$ (46,533,299)	\$ 3,218,912 \$ (37,779,681)	762.31% 431.59%	
58	555.15	FTR Monthly Allocation Amount	\$ (251,299)	\$ (1,313,006)	\$ (1,061,707)	422.49%	
59 60	555.17 555.35		\$ (291,097) \$ -		<u>\$ 229,371</u> \$ -	-78.80%	
61	555.36	FTR Full Funding Guarantee Amount	\$ (141,582)	\$ (1,747,527)	\$ (1,605,946)	1134.29%	
62 63			\$ 151,873 \$ (11,329,957)		\$ 1,520,458 \$ (50,277,530)	1001.14% 443.76%	
64	555.38	FTR Annual Transaction Amount	\$ 11,261,587	\$ 59,602,059	\$ 48,340,471	429.25%	
65 66	555.40		\$ 83,969 \$ (561,028)		\$ 54,328 \$ (1,361,596)	64.70% 242.70%	
67	555.07	DA Congestion Rebate on Option B GFA	\$ (0)	\$-	\$ 0	-100.00%	
68 69	555.10		\$ 156,379 \$ (83,256)			-24.78% -22.79%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 732,613	\$ 134,826	\$ (597,787)	-81.60%	
71	555.30		\$ (645,974) \$ (439,368)	\$ - \$ (472,047)	\$ 645,974 \$ (32,679)	-100.00%	
73	555.28	RT Revenue Neutrality Uplift Amount	\$ 1,322,066	\$ 1,769,276	\$ 447,210	33.83%	
74 75			\$ 74,690 \$ (33,796)				
76	555.31		\$ -		\$-	0	
77 78		RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ 315,849 \$ (23,353)			-93.57% 85.00%	
79	555.64	RT Ramp Product	\$ (5,920)	\$ (6,659)	\$ (739)	12.48%	
80 81	555.65		\$ 87,202 \$ -		\$ 227,382 \$ -	260.75%	Energy Amounts - included/embedded within Market Purchases
82	555.56	RT ASM Excessive Energy Amount***	\$-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83 84			<u>\$</u> - \$-		\$ - \$ -	0	
85	555.22	RT Congestion Rebate on COGA	\$-	\$-	\$ -	0	
86 87	555.23		\$- \$-		\$ - \$ 165,261	0	
88			*				
89 90		Total MISO Wholesale Market Charges	\$ 1,968,660	\$ (15,437,990)	\$ (17,406,650)	-884.19%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91		SPP Wholesale Market Charges					
92 93		DA Asset Energy Amount***			s - s -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$ -	\$-	\$-	0	Energy Amounts - included/embedded within Market Purchases
95 96			\$ - \$ -		<u>\$</u> - \$-	0	
97	555.1	RT Make-Whole-Payment Distribution Amount	\$ 2,198	\$ 128	\$ (2,070)	-94.19%	
98 99			\$ - \$ 252		\$ - \$ (213)	0	
100	555.04	DA Regulation-Down Distribution Amount	\$ 130	\$ 11	\$ (119)	-91.60%	
101 102	555.05		\$ 274 \$ 289				
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 33	\$ 4	\$ (29)	-87.34%	
104 105	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0) \$ (539,697)	\$ (0) \$ (151,084)	\$ 0 \$ 388,612		
106	555.12	RT Regulation-Down Distribution Amount	\$ (0)	\$ 1	\$ 1	-325.35%	
107 108	555.13		\$ (4) \$ (7)				
109	555.16	RT Spinning Reserve Distribution Amount	\$ (5)	\$ (3)	\$ 2	-45.53%	
110 111	555.17	RT Supplemental Reserve Distribution Amount	\$ (2) \$ (959,505)	\$ 0	\$ 2		
112	555.21	RT Pseudo Tie Loss Amount	\$ (304,842)	\$ 57,379	\$ 362,221	-118.82%	
113 114	555.23	Miscellaneous Amount	\$ (89) \$ (78,140)		\$ 85	-96.33% 257.65%	
115	555.28	RT Demand Reduction Distribution Amount	\$ (0)	\$ 0	\$ 0	-790.91%	
116 117			\$ 14 \$ 71				
118	555.31	DA Ramp Up Distribution Amount	ş -	\$ 3	\$ 3	0	New charge type in 2022
119 120	555.32		\$-	\$ - \$ (0)	\$ - \$ (0)	0	New charge type in 2022 New charge type in 2022
120				\$ (3)			New charge type in 2022
					-		

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122	555.35 RT Ramp Down Distribution Amount	\$		s		\$		0	New charge type in 2022
122	555.01 DA GFA Carve Out Distribution Deployment Daily Amount	\$	126		- (6)		(132)	-104.68%	New charge type in 2022
123	555.22 DA GFA Carve Out Distribution Deployment Daily Amount 555.22 DA GFA Carve Out Distribution Deployment Monthly Amount	\$			(6)		(132)	-104.68%	
124		\$	(1)		(0)	\$	(189)	496.22%	
125	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount					\$		496.22%	
	Total SPP Wholesale Market Charges	\$	(1,878,943)	\$	917,700	\$	2,796,644	-148.84%	
127	1100.001								
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)			-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)			-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	\$	-	S	-	\$	-	0	
144	Net Regulation Adjustment Amount	\$	17.277	S	22.373	\$	5.095	29,49%	
145	Total MISO ASM	ŝ	(606,147)		(534,506)		71,641	-11.82%	
146		· ·	(000)	T.	(00.1,000)	· ·	,		
147	Total Wholesale Market Charges	\$	(516,430)	\$	(15,054,796)	ŝ	(14.538.366)	2815.17%	
148			(0.00)	Ť	(10)00		(,,,		
149									
150	Purchased Power								
151		IPR	OTECTED DA	TA F	BEGINS				
152	Edgeley PPA	<u>r</u>	0.20.20 2/					1	
153	Lanadon PPA	-							
154	Ashtabula III PPA	-							
155	Tribal (WAPA)	-							Not Applicable to EAR - Excluded from Total
156	WAPA Energy Imbalance	-							Not Applicable to EAR - Excluded from Total
156	Shared Loads	-							
157	Shaled Loads Small Co-gen	-							
156	Bilateral purchases	-							
160		-							MISO and SPP Energy Only
160	Market Purchases						PROTEOT		MISO and SPP Energy Only
	Total Purchases							ED DATA ENDS]	THE HOMADA CONTRACTOR STOLE
162	I otal 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)			-37.01%	Credit to MN FCA Calculation - Subtracted from Total
		\$	(8,293,540)		(8,985,597)			8.34%	
167	Fuel Costs				(3,062,156)	\$	7,770,967	-71.73%	
167 168	Asset Based Margins	\$	(10,833,123)	Ŷ					
167 168 169	Asset Based Margins								
167 168 169 170		\$ \$	(10,833,123)		(1,811,225)	\$	(94,292)	\$ 0	Effective January 2023
167 168 169 170 171	Asset Based Margins Hoot Lake Solar Generation Credit	\$	(1,716,934)	\$					
167 168 169 170 171 172	Asset Based Margins			\$	(1,811,225)			\$ 0 -26.91%	Effective January 2023 Effective July 2022 - Docket No. E017/GR-20-719
167 168 169 170 171 172 173	Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ \$	(1,716,934) 2,961,135	\$ \$	2,164,427	\$	(796,708)	-26.91%	Effective July 2022 - Docket No. E017/GR-20-719
167 168 169 170 171 172 173 174	Asset Based Margins Hoot Lake Solar Generation Credit	\$	(1,716,934)	\$ \$		\$			
167 168 169 170 171 172 173 174	Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents Steam/Water Sales	\$ \$ \$	(1,716,934) 2,961,135 (756,821)	\$ \$ \$	2,164,427 (808,406)	\$ \$	(796,708) (51,585)	-26.91%	Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
167 168 169 170 171 172 173 174 175 176	Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents	\$ \$	(1,716,934) 2,961,135	\$ \$ \$	2,164,427	\$ \$	(796,708) (51,585)	-26.91%	Effective July 2022 - Docket No. E017/GR-20-719
167 168 169 170 171 172 173 174	Asset Based Margins Hoot Lake Solar Generation Credit Steam Plant Reagents Steam/Water Sales	\$ \$ \$	(1,716,934) 2,961,135 (756,821) (3,890,000)	\$ \$ \$ \$	2,164,427 (808,406)	\$ \$ \$	(796,708) (51,585) (295,367)	-26.91% 6.82%	Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

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Г			Year to Date	2023 Forecast to A	ctual - MWh	
ŀ			YTD 2023		· mrfll	
			Forecast	YTD 2023 Actual		Notes
Line 1		neration Big Stone	[PROTECTED DA	TA BEGINS		
2		Coyote	_	-		
3 4		Hoot Lake #2 Hoot Lake #3	-	-		Hoot Lake plant closed in May 2021
5					D DATA ENDS]	
6 7		Total Coal	2,530,975 [PROTECTED DA	1,759,136		
8		Langdon Wind	[FROTECTED DA	ATA BEGING		
9		Ashtabula Wind	-			
10 11		Ashtabula III Luverne Wind	-			
12		Merricourt	-	-		
13		Total Wind	1,233,719	PROTECTEI 1,145,386	D DATA ENDS]	
14 15			1,233,719	1,145,366		
16		Total Hydro	20,000	8,847		
17 18		Jamestown 1	[PROTECTED DA	ATA BEGINS		
19		Jamestown 2	_			
20 21		Lake Preston		PROTECTE	DATA ENDS	
22		Total Oil - Peaking Units	2,409	946	DATA ENDO	
23 24		Natural gas - Solway	[PROTECTED DA	ATA BEGINS		
24		Natural gas - Soliway Natural gas - Astoria	—	-		
26		Tatal Natural Cas	720.040		D DATA ENDS]	
27 28		Total Natural Gas	730,840 [PROTECTED DA			
29		Solar - Blue Jay				
30 31		Solar - Blue Heron Solar - Hoot Lake				
32					DATA ENDS	
33 34		Total Solar	-	34,982		
35		Total OTP-Owned	4,517,943	3,519,913		
36	Wholes	le Market Charges				
37 38		ile Market Charges MISO Wholesale Market Charges				
39 40	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
40		DA PBT Loss Amount DA Non-asset Energy Amount***	N/A	N/A N/A		
42	555.19	RT Asset Energy Amount***	N/A	N/A		
43 44		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
45		DA Loss Amount	N/A	N/A		
46 47	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
48	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
49 50	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55		DA Congestion	N/A	N/A		
56 57	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
58	555.14	FTR Hourly Allocation Amount	N/A	N/A		
59 60		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
61	555.35	FTR Monthly Transaction Amount	N/A	N/A		
62 63	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
64	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65		FTR Annual Transaction Amount	N/A N/A	N/A N/A		
66 67	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A N/A		
68	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
69 70		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
72 73		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
74	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
75 76	555.25	RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
77	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
78 79		RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
80	555.64	RT Ramp Product	N/A	N/A		
81 82	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
84 85		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
86	555.22	RT Congestion Rebate on COGA	N/A	N/A		
87 88	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A		
89			IN/A	N/A		
90		Total MISO Wholesale Market Charges				
91 92		SPP Wholesale Market Charges				
93	555.19	DA Asset Energy Amount***	N/A	N/A		
94 95	555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
96	555	RT Non-Asset Energy Amount	N/A	N/A		
97 98		DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
100 101	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
102	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
103 104	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	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	N/A N/A		
107 108	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A	N/A		
109	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
110 111	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
112	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
113 114		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
115	555.26	ARR Closeout Yearly Amount	N/A	N/A		
116 117	555.28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
	555.30	RT Schedule 1A4 Amount	N/A	N/A		
118			b1/A	N/A		New charge type in 2022
119		DA Ramp Up Distribution Amount	N/A			
	555.32	DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount RT Ramp Non Performance Distribution Amount	N/A N/A N/A	N/A		New charge type in 2022 New charge type in 2022

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122	555.24	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
122		RT Ramp Op Distribution Amount	N/A N/A	N/A N/A		
123			N/A N/A	N/A N/A		New charge type in 2022
124		DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	N/A N/A	N/A N/A		
			N/A N/A	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		100.101				
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	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	N/A N/A		
137 138		Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount	N/A N/A	N/A N/A		
130		Day Ahead Supplemental Reserve Amount	N/A	N/A N/A		
139		Real Time Supplemental Reserve Amount	N/A	N/A N/A		
141		Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
142			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		T. (1906) 1. M. J. (Alton				
148		Total Wholesale Market Charges				
149						
150	Durahas	sed Power				
	Purchas	sed Power				
			IDDOTECTED DA	TA DECINE		
152			[PROTECTED DA	TA BEGINS		
153		Edgeley PPA	[PROTECTED DA	TA BEGINS		
153 154		Langdon PPA	[PROTECTED DA	TA BEGINS		
153 154 155		Langdon PPA Ashtabula III PPA	[PROTECTED DA	TA BEGINS		
153 154 155 156		Langdon PPA Ashtabula III PPA Tribal (WAPA)	[PROTECTED DA	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DA	TA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED D4 	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158 159		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED D/ 	ITA BEGINS		Not Applicable to EAR - Excluded from Total
153 154 155 156 157 158 159 160		Landon PPA Achtabia III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	[PROTECTED D/ 	ITA BEGINS		
153 154 155 156 157 158 159 160 161		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED D/ 			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases		PROTECTE	D DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163		Landon PPA Achtabia III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Smael Co-gen Bilateral purchases	[PROTECTED DA		D DATA ENDS]	
153 154 155 156 157 158 159 160 161 162 163		Landson PPA Ashtabula III PPA Tibai (WAPA) WAPA Energy Imbalance Shared Loads Smard Loads Sinate Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	1,627,158	PROTECTE 2,693,048	D DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cu	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases Market Purchases		PROTECTE	D DATA ENDS]	MISO and SPP Energy Only
153 154 155 156 157 158 159 160 161 162 163 164 165		Landson PPA Ashtabula III PPA Tabai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases artailment	1,627,158	PROTECTE 2,693,048 1.062	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
153 154 155 156 157 158 159 160 161 162 163 164 165		Landson PPA Ashtabula III PPA Tibai (WAPA) WAPA Energy Imbalance Shared Loads Smard Loads Sinate Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	1,627,158	PROTECTE 2,693,048	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167		Landson PPA Landson PPA Ashtabula III PPA Tabai (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Balaera purchases Market Purchases Total Purchases artailment ased Sales	1,627,158	PROTECTE 2,693,048 1.062	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164 165		Landson PPA Ashtabula III PPA Tabai (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases artailment	1,627,158	PROTECTE 2,693,048 1.062	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to NN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168		Landson PPA Landson PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Code Bilateral purchases Market Purchases Total Purchases rtrailment ased Sales Fuel Costs	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1.062 (348,728)	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169		Landson PPA Landson PPA Ashtabula III PPA Tabai (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Balaera purchases Market Purchases Total Purchases artailment ased Sales	1,627,158	PROTECTE 2,693,048 1.062	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to NN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Asset B	Landson PPA Landson PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Code Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1.062 (348,728) -	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 171	Asset B	Landson PPA Landson PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Code Bilateral purchases Market Purchases Total Purchases rtrailment ased Sales Fuel Costs	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1.062 (348,728)	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
153 154 155 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Asset B Steam F	Landon PPA Landon PPA Ashtabua III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Cogen Bilateral purchases Markot Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1.062 (348,728)	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170 171 173	Asset B Steam F	Landson PPA Landson PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Code Bilateral purchases Market Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1.062 (348,728) -	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Asset B Steam F Steam/	Landon PPA Landon PPA Ashtabua III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Coden Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins Plant Reagents Vater Sales Vater Sales	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1,062 (348,728) - - - - -	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to NN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Asset B Steam F Steam/	Landon PPA Landon PPA Ashtabua III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Cogen Bilateral purchases Markot Purchases Total Purchases rtailment ased Sales Fuel Costs Asset Based Margins Plant Reagents	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1.062 (348,728)	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Asset B Steam F Steam/ Plannin	Landon PPA Landon PPA Ashtabua III PPA Tribai (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Coden Bilateral purchases Market Purchases Total Purchases Total Purchases Fuel Costs Asset Based Margins Plant Reagents Vater Sales Vater Sales	1,627,158 1,301 (271,072)	PROTECTEI 2,693,048 1,062 (348,728) - - - - -	D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to NN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
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F			Year to Data 20	22 Forecast to Act	ual - \$ por MM/-	1
ŀ			YTD 2023		aar - y per www.	
Line	Plant C	eneration	Forecast [PROTECTED DA	YTD 2023 Actual		Notes
1		Big Stone	JEROTECTED DA	A DEGINS		
2		Coyote Hoot Lake #2	-			Hoot Lake plant closed in May 2021
4		Hoot Lake #3	-			riot Lake plant closed in may 2021
5 6		Total Coal	\$ 26.15		D DATA ENDS]	
7			PROTECTED DA	TA BEGINS		
8		Langdon Wind Ashtabula Wind	-			
10		Ashtabula III	-			
11 12		Luverne Wind Merricourt	-			
13				PROTECTE	D DATA ENDS]	
14		Total Wind	\$ -	\$-		
15 16		Total Hydro	\$-	\$-		
17 18		Jamestown 1	[PROTECTED DA	TA BEGINS		
19		Jamestown 2				
20		Lake Preston		PROTECTE	D DATA ENDS	
21 22		Total Oil - Peaking Units	\$ 300.52	\$ 468.64	D DATA ENDS	
23 24		Natural gas - Solway	[PROTECTED DA	TA BEGINS		
25		Natural gas - Solway Natural gas - Astoria	-			
26 27		Total Natural Gas	\$ 42.83		D DATA ENDS]	
28			[PROTECTED DA			
29 30		Solar - Blue Jay Solar - Blue Heron	-			
31		Solar - Hoot Lake	-			
32 33		Total Solar	N/A	PROTECTE	D DATA ENDS]	
34				· ·		
35		Total OTP-Owned	\$ 21.74	\$ 17.04		
36 37	Wholes	ale Market Charges				
38 39		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
40	555.04	DA FBT Loss Amount	N/A	N/A		
41 42	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
43	555.24	RT Distribution of Losses Amount	N/A	N/A		
44	555.21	RT FBT Loss Amount DA Loss Amount	N/A	N/A		
45 46		RT Loss Amount	N/A N/A	N/A N/A		
47		RT Non-Asset Energy Amount***	N/A	N/A		
48 49	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
50 51	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.18	RT Mkt Admin Amount	N/A	N/A		
53 54		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
55		DA Congestion	N/A	N/A		
56		RT FBT Congestion Amount	N/A N/A	N/A N/A		
57 58		RT Congestion FTR Hourly Allocation Amount	N/A	N/A N/A		
59 60	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A		
61	555.35	FTR Monthly Transaction Amount	N/A	N/A N/A		
62	555.36	FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
63 64	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65 66		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
67		FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
68	555.07	DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
69 70	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A N/A		
71 72	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
73	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
74 75		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
76	555.27	RT Net Inadvertent Amount	N/A	N/A		
77 78	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
79	555.63	DA Ramp Product	N/A	N/A		
80 81	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
82	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
83 84	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
85	555.06	DA Losses Rebate on COGA	N/A	N/A		
86 87	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
88		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A		
89		Total MISO Wholesale Market Charges	-			
90 91						
92 93	555 10	SPP Wholesale Market Charges 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	N/A N/A		
96 97	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A	N/A		
98 99	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	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		
102 103	555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105 106	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
107	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
108 109	555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
110	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
111 112	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
113	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
114 115	555.26	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		
116	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
117 118	555.30	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	N/A N/A	N/A N/A		
119	555.31	DA Ramp Up Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022
120 121	555.33	DA Ramp Down Distribution Amount RT Ramp Non Performance Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022 New charge type in 2022

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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	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 DA	TA BEGINS		
153	Edgeley PPA	Г			
154	Langdon PPA	Τ			
155	Ashtabula III PPA	Ť			
156	Tribal (WAPA)	Ť			Not Applicable to EAR - Excluded from Total
157	WAPA Energy Imbalance	Ť			
158	Shared Loads	t			
159					
	Small Co-gen				
	Small Co-gen Bilateral purchases	-			
160	Bilateral purchases	-			MISQ and SPP Energy Only
160 161		-	PROTECTE	D DATA ENDSI	MISO and SPP Energy Only
160 161 162	Bilateral purchases Market Purchases	S 44 10		D DATA ENDS]	
160 161 162 163	Bilateral purchases	\$ 44.10		D DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
160 161 162 163 164	Bilateral purchases Market Purchases Total Purchases		\$ 34.34	D DATA ENDS]	
160 161 162 163 164 165	Bilateral purchases Market Purchases	\$ 44.10 \$ 39.22	\$ 34.34	D DATA ENDS]	
160 161 162 163 164 165 166	Bilateral purchases Market Purchases Total Purchases Wind Curtailment	\$ 39.22	\$ 34.34 \$ 51.41	D DATA ENDS]	
160 161 162 163 164 165	Bilateral purchases Market Purchases Total Purchases		\$ 34.34 \$ 51.41	D DATA ENDS]	Tribal (WAPA) excluded from Total
160 161 162 163 164 165 166 167	Bilateral purchases Market Purchases Total Purchases Wind Curtailment L Asset Based Sales	\$ 39.22 \$ 70.56	\$ 34.34 \$ 51.41 \$ 34.55	D DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160 161 162 163 164 165 166	Bilateral purchases Market Purchases Total Purchases Wind Curtailment	\$ 39.22	\$ 34.34 \$ 51.41	D DATA ENDS]	Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 39.22 \$ 70.56 N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A	D DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160 161 162 163 164 165 166 167 168 168	Bilateral purchases Market Purchases Total Purchases Wind Curtailment L Asset Based Sales	\$ 39.22 \$ 70.56	\$ 34.34 \$ 51.41 \$ 34.55	D DATA ENDS]	Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168 168 169 170	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins	\$ 39.22 \$ 70.56 N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A	D DATA ENDS]	Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168 168 169 170 171	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 39.22 \$ 70.56 N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A	D DATA ENDS]	Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160 161 162 163 164 165 166 167 168 169 170 171 172	Bilateral purchases Market Purchases Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	\$ 39.22 \$ 70.56 N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A	D DATA ENDS]	Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172 173	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins	\$ 39.22 \$ 70.56 N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A	D DATA ENDS]	Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents SteamWater Sales	\$ 39.22 \$ 70.56 N/A N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A N/A		Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Bilateral purchases Market Purchases Total Purchases Wind Curtaliment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents	\$ 39.22 \$ 70.56 N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A		Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents SteamWater Sales Planning Resource Auction Revenues	\$ 39.22 \$ 70.56 N/A N/A N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A N/A N/A		Tribal (WAPA) excluded from Total Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175	Bilateral purchases Market Purchases Total Purchases Wind Curtailment Asset Based Sales Fuel Costs Asset Based Margins Steam Plant Reagents SteamWater Sales	\$ 39.22 \$ 70.56 N/A N/A N/A	\$ 34.34 \$ 51.41 \$ 34.55 N/A N/A N/A N/A		Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

Attachment 4

Docket No. E017/AA-22-214

Clean Version of

Tariff Sheet MN 13.01 – Energy Adjustment Rider



> Page 1 of 4 Eighteenth Revision

> > С

ENERGY ADJUSTMENT RIDER

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

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 e). 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 Tail*Winds* program is not included in the cost of energy adjustment calculation.



> Page 2 of 4 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 N costs associated with 100 percent of the Hoot Lake Solar plant output. 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



> Page 3 of 4 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,	1.0461
	10.07	
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

Forecasted Class EAF's are published on OTP's website at https://www.otpco.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.



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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

Line		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
No.		RGY 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 15		FUEL OIL UNKNOWN	\$0 \$24,197,974	\$0 \$9,495,087	\$0 \$5,913,345	\$0 \$1,518,867	\$0 \$1,699,462	\$0 \$1,220,479	\$0 \$2,202,208	\$0 \$1,755,844	\$0 \$2,149,916	\$0 \$5,537,555	\$0 \$5,124,374	\$0 \$5 472 225
15		UNKNOWN	\$24,197,974	\$9,495,067	\$5,915,545	\$1,510,00 <i>1</i>	φ1,099,402	φ1,220,479	\$3,203,208	φ1,755,644	φ <u>2</u> ,149,910	ф0,007,000	φ 0 ,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 D 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) 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 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 2021 Big Stone cost per Mbtu 2021 Big Stone cost per Mbtu 2022 Big Stone cost per Mbtu 2022 Big Stone cost per Mbtu 2023 Big Stone cost per Mbtu	[PROTECT	ED DATA BE	GINS										
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 2017 Coyote cost per Mbtu 2018 Coyote cost per Mbtu 2019 Coyote cost per Mbtu 2019 Coyote cost per Mbtu 2020 Coyote cost per Mbtu 2022 Coyote cost per Mbtu 2022 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									PRO	TECTED D	ATA 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	,	ED DATA BE						2	-				
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													
2020 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													
2022 Astoria Plant cost per Mbtu 2023 Astoria Plant cost per Mbtu													
2020 Astona Francoust per Motu													
Cost of delivered nuclear fuel - not applicable	9									PROTE	ECTED DAT	A ENDS]	
Cost of delivered oil													
2008 IC Plants and FF Control Ctr diesel, \$/Mbti	l 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, \$/Mbt		0.00	0.00	12.64	15.36	0.00	0.00	16.79		16.07			
2010 IC Plants and FF Control Ctr diesel, \$/Mbt		12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29		17.21	
2011 IC Plants and FF Control Ctr diesel, \$/Mbtu		17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43		17.29	
2012 IC Plants and FF Control Ctr diesel, \$/Mbtu		17.29	20.57	20.57	20.57	19.86	19.93	20.93		22.07			
2013 IC Plants and FF Control Ctr diesel, \$/Mbt		0.00	19.36	17.86	0.00	17.79	0.00	21.36		17.79			
2014 IC Plants and FF Control Ctr diesel, \$/Mbt		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, \$/Mbt		21.64	22.14	14.29	20.50	21.14	21.64	15.93		16.07			
2016 IC Plants and FF Control Ctr diesel, \$/Mbt		20.62	21.32	18.20	22.14	16.36	22.13	21.15		20.18			
2017 IC Plants and FF Control Ctr diesel, \$/Mbtu		20.37	19.32	16.87	20.19	16.72	20.13	20.17		21.90			
2018 IC Plants and FF Control Ctr diesel, \$/Mbtu		16.15	18.70	22.11	18.42	16.57	20.86	19.42		20.05			
2019 IC Plants and FF Control Ctr diesel, \$/Mbtu		17.74	17.13 14.38	17.82	16.80 15.69	0.00	0.00	0.00		17.11		16.72	
2020 IC Plants and FF Control Ctr diesel, \$/Mbtu 2021 IC Plants and FF Control Ctr diesel, \$/Mbtu		17.05 14.86	14.38	15.67 14.90	0.00	14.92 14.87	15.23 14.83	14.65 0.00		14.65 15.92			
2022 IC Plants and FF Control Ctr diesel, \$/Mbt		14.86	14.78	14.90	15.97	14.87	14.83	22.72		15.92			
2022 IC Plants and FF Control Ctr diesel, \$/Mbt		15.71	19.37	20.06	20.12	16.47	17.67	19.71	18.95	19.52			
Cost of wholesale purchases (\$/MWh) withou				00.40	00.05	40.05		5 0 67	<i></i>		10 c -	F0 /-	
2008 Purchased Power	61.28	74.56	69.65	68.19	39.65	49.85	57.12	52.07		45.91			
2009 Purchased Power 2010 Purchased Power	59.90 58.11	59.86 57.90	32.18 49.57	26.22 49.04	34.01 37.80	32.41 33.02	32.04 37.69	38.92 41.60		44.60 39.47		41.36 33.43	
2010 Purchased Power 2011 Purchased Power	35.68	35.89	49.57 31.89	49.04 32.53	37.80	33.02 84.70	37.69 12.52	41.60		39.47			
2012 Purchased Power	31.08	30.72	30.75	25.00	29.55	34.91	38.41	45.41	38.95	28.64			
2013 Purchased Power	33.82	32.37	31.50	36.33	35.14	30.56	36.22	38.82		31.31	31.04		
2014 Purchased Power	39.32	48.75	49.66	27.76	48.69	33.97	32.60	29.36		33.58			
2015 Purchased Power	38.50	35.43	35.23	28.46	28.50	27.05	28.15	31.51	27.51	27.00		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			
2017 Purchased Power	29.77	25.82	27.00	28.86	28.80	28.26	28.93	26.62		25.17			
2018 Purchased Power	36.16	31.00	27.24	29.54	29.23	28.62	38.93	36.53		28.62			
2019 Purchased Power	29.84	36.30	34.16	28.04	24.78	22.66	24.02	22.08		22.86			
2020 Purchased Power	23.99	26.18	24.00	21.89	18.96	14.65	19.85	20.78		19.48			
2021 Purchased Power	24.25	41.25	21.37	15.23	16.15	19.39	32.82	31.97		32.50			
2022 Purchased Power	25.76	27.94	28.19	26.27	28.88	36.23	36.56	48.30		28.94			
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	

MISO Module E Data For Otter Tail Power Company As of Janaury 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
			[PROTEC	TED DATA	BEGINS .									
4	Kindred School Diesel	OTP.OTP												
6	Stevens Community	OTP.OTP												
												PROT	ECTED DA	TA 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 1 None	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
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		nnesota - Retail January - ecember 2023
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	1			
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 5	RT Asset Energy Amount RT Distribution of Losses Amount	\$	(3,901,075.97)	\$	(1,876,971.49)
5 6	RT FBT Loss Amount	\$ \$	(2,783,578.58)	\$ \$	(1,339,296.57)
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	1			
11	DA Virtual Energy Amount	\$	-	\$	-
12	RT Virtual Energy Amount	\$	-	\$	-
13	Schedules 16 & 17 DA Mkt Admin Amount	ļ	800 603 03	¢	295 247 05
13	RT Mkt Admin Amount	\$ \$	800,693.03 106,591.20	\$ \$	385,247.05 51,285.50
15	FTR Mkt Admin Amount	\$	19,663.52	\$	9,460.95
10	Congest & FTRs			•	
16	DA FBT Congestion Amount	\$	-	\$	-
17 18	DA Congestion RT FBT Congestion Amount	\$ \$	25,896,159.02	\$ \$	12,459,729.74
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 25	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ \$	(1,747,527.39) 1,672,330.94	\$ \$	(840,808.82) 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	1			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$	117,632.44	\$	56,597.91
32		\$	(64,283.15)	\$	(30,929.32)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount		134,825.98	\$	64,870.44
34 35	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ \$	- (472,047.25)	\$ \$	- (227,121.76)
55		Ψ	(472,047.23)	Ψ	(227,121.70)
	Revenue Neutrality Uplift]			
36	RT Revenue Neutrality Uplift Amount	\$	1,769,275.77	\$	851,272.88
		1			
37	Other Charges RT Misc Amount	\$	9,949.06	\$	4,786.91
38	RT Net Inadvertent Amount	\$	(46,925.30)	φ \$	(22,577.73)
	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	1			
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
-	Crondicthered Charge Trace	1			
46	Grandfathered Charge Types DA Congestion Rebate on COGA	\$	_	\$	_
40	DA Congestion Repate on COGA	ъ \$	-	э \$	-
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)		
	Taka and Mico of any	<u> </u>	E4 000 000 00		
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

					Detail of MISO D	Power Company Day 2 Charges - Syst cludes any adjustme								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
					TAIL	-		ASSET BASED		_			ASED WHOLESALE	-
No	Charge Type Description Day Ahead & Real Time Energy	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1	DA Asset Energy Amount	555.02	(512,512) \$	(18,234,527.76)	202.657 \$	7,995,482,10	0 \$		4.392 \$	187.116.05	0 \$		0 \$	
2	DA Asset Energy Amount	555.09	(312,312) \$		15,925 \$		0\$		4,332 \$	-	0\$		0\$	-
3	RT Asset Energy Amount	555.19	(39,403) \$		8,821 \$		0\$	-	0 \$	-	0\$	-	0\$	-
4	RT Non-Asset Energy Amount	555.26	0 \$		0 \$		0 \$		0 \$	-	0 \$		0 \$	-
5	SUBTOTAL		(551,916) \$	(19,454,416.10)	227,403 \$	8,845,370.59	0 \$	-	4,392 \$	187,116.05	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 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
10 11	RT Loss Amount DA Losses Rebate on Option B GFA	555.08	0\$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
12	SUBTOTAL	555.08	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	Virtual Energy		. v v	(0.0,004.20)	νΨ	000,001.02	, v v	-	~ 4	~	~ ~	-	νψ	×
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 \$		0 \$		0 \$	(326.69)	0\$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$		0 \$		0 \$	(468.34)	0 \$	-	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
19	SUBTOTAL Congestion & FTRs		0 \$	(60,320.95)	0 \$	721.86	0 \$	(795.03)	0 \$	-	0 \$	-	0 \$	-
20	DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$	-	0 \$		0 \$		0 \$	
20 21	DA FBT Congestion Amount DA Congestion	555.03	0 \$		0 \$		0 \$		0\$	-	0 \$	-	0 \$	-
22		555.20	0\$		0\$		0\$		0 \$	_	0\$		0\$	
23	RT Congestion	000.20	0\$		0\$		0 \$	-	0 \$	-	0 \$		0\$	-
24	FTR Hourly Allocation Amount	555.14	0\$		0 \$		0 \$	-	0 \$	-	0 \$	-	0\$	-
25		555.15	0 \$		0 \$		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 \$	(135,585.48)	0 \$	69,755.46	0 \$	-	0\$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
32 33 34	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0\$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
34	SUBTOTAL	555.07	0 \$		0 \$		0 \$		0 \$	-	0 \$		0 \$	
- 33	RSG & Make Whole Payments			(0,001,002.00)	vψ	0,1-0,042.00	. v v	-	~ 4	-	~ ~	-	νψ	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(13,243.79)	0 \$	1,242.57	0 \$	(180.47)	0 \$	16.94	0 \$	-	0 \$	-
36 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 \$		0 \$		0 \$	(200.16)	0\$	89.79	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$	· -	0 \$	- '	0 \$	37,054.36	0 \$	-	0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0 \$		0 \$		0 \$	-	0 \$	427.64	0 \$	-	0 \$	-
41			0 \$	(27,943.70)	0 \$	39,201.41	0 \$	(380.63)	0 \$	37,588.73	0 \$	-	0 \$	-
-	RNU & Misc Charges	555.05		(0.0.10.6.1)		0.07								
42 43	RT Misc Amount RT Net Inadvertent Amount	555.25 555.27	0\$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
43 44	RT Net inadvertent Amount RT Revenue Neutrality Uplift Amount	555.27 555.28	0\$		0\$		0 \$	- (2,610.15)	0 \$	- 625.14	0 \$	-	0 \$	-
44 45	RT Uninstructed Deviation Amount	555.31	0 \$		0 \$		0 \$	(2,010.15)	0\$	020.14	0 \$	-	0\$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0\$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
46 47	DA Ramp Product	555.63	0\$		0 \$		0\$	-	0 \$		0\$	-	0\$	-
48	RT Ramp Product	555.64	0\$		0\$		0\$	-	0 \$	-	0\$	-	0\$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0\$	(18,905.75)	0\$	-	0\$	-	0 \$	-	0 \$	-	0\$	-
50	SUBTOTAL		0 \$	(233,496.21)	0 \$	77,791.93	0 \$	(2,610.15)	0 \$	625.14	0 \$	-	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(41,455) \$		13,854 \$		(1,623) \$	(44,689.63)	4,330 \$	144,362.31	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	0 \$		50 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
53	SUBTOTAL		(41,455) \$	(1,312,454.80)	13,904 \$	325,760.37	(1,623) \$	(44,689.63)	4,330 \$	144,362.31	0 \$	-	0 \$	-

ſ					Detail of MISO	l Power Company Day 2 Charges - Sys cludes any adjustm								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	Cost	ASED WHOLESALE 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 \$	-
	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 63	No DA generation sch., but still had output for current month		\$	(8,187.53)										
64														
65	Total for MN Energy Adjustment Rider			(30,210,448.70)		18.769.804.38								
66	Net Retail for MN Energy Adjustment Rider		ą		ې \$ (11,440,644.32)	10,709,004.30								
	Retail MWh include losses of 2.8%				\$ (11,440,044.52)									
											L			
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BAS	ED TRANSAG	CTIONS											
68	NET MISO (Rev-Cost and MWh)								\$	321,216.79			\$	-
69	Less: Fuel Cost						1		7,101 \$	209,329.40				
70	Less: Misc Cost Adjustment								\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72	Plus: Bilateral Sales						1						\$	-
73	Less: Bilateral Purchases												\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	127.70			\$	-
75	TOTAL ASSET NON ASSET BASED WILDLESALS								•	444 750 60				
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								Ş	111,759.69			\$	
1														

					Detail of MISO D	Power Company ay 2 Charges - Syst cludes any adjustm	tem ents							
		(4)	(5)		(5)		(5)		(1.1)		<i>(</i>))			
		(A)	(B)	(C)	(D) TAIL	(E)	(F)	(G) ASSET BASED		(I)	(J)	(K)	(L) ASED WHOLESAL	(M) F
	Charge Type Description	Acct	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 \$		0 \$	-	2,510 \$	86,925.49	0 \$	-	0	
2 3 4	DA Non-asset Energy Amount RT Asset Energy Amount	555.09 555.19	0 \$ (25,313) \$	- 18.434.43	6,684 \$ 23.079 \$	288,699.98	0 \$	-	0 \$	-	0 \$	-	0	
3	RT Asset Energy Amount RT Non-Asset Energy Amount	555.26	(25,313) \$	18,434.43	23,079 \$	1,093,761.80	0 \$	-	0 \$	-	0 \$	-	0	+
5	SUBTOTAL	555.20		(13,423,097.62)	258,084 \$	6,967,587.77	0 \$		2,510 \$	86,925.49	0 \$	-	0	
	Day Ahead & Real Time Energy Loss			X - <i>Y</i> - <i>Y</i> - <i>Y</i>										
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	
7 8	RT Distribution of Losses Amount	555.24	0 \$	(48,282.60)	0 \$	318,730.83	0 \$	-	0 \$	-	0 \$	-	0	
8 9	RT FBT Loss Amount DA Loss Amount	555.21	0 \$ 0 \$	- (351,671.31)	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$	-	0	\$ -
9 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	\$-
	/irtual Energy													
13 14	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	
14	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$		0 \$ 0 \$		0 \$ 0 \$		0 \$		0 \$		0	
10	Schedules 16 & 17		÷ *		νų	-	v v	-	ů Ý	-	• •	-	v	Ψ -
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 Congestion & FTRs		0 \$	(81,982.38)	0 \$	775.89	0 \$	(1,762.30)	0 \$	-	0 \$	-	0	ş -
20	DA FBT Congestion Amount	555.03	0 \$		0 \$	-	0 \$		0 \$		0 \$	-	0	¢ _
20 21	DA Congestion	555.05	0 \$	-	0\$	(1,925,546.34)	0 \$	-	0 \$	-	0 \$	-	0	
22	RT FBT Congestion Amount	555.20	0\$	-	0\$	-	0\$	-	0 \$	-	0\$	-	0	
22 23 24	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 \$	-	-	\$ -
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-		\$ -
27 28	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	555.35 555.36	0 \$ 0 \$	- (70,365.56)	0 \$ 0 \$	- 139,155.42	0 \$	-	0 \$	-	0 \$	-		\$ - \$ -
28 29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$	70.365.56	0 \$	-	0 \$	-	0 \$		0	T
30	FTR Auction Revenue Rights Transaction Amount	555.39	0\$	(296,192.80)	0\$	7.779.289.85	0\$	-	0 \$	-	0\$	-	0	
30 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 34	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	108,463.00	0 \$	-	0 \$	-	0 \$	-	0	
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(8,921,546.58)	0 \$	9.592.304.40	0 \$ 0 \$		0 \$ 0 \$	-	0 \$		0	
30	RSG & Make Whole Payments		0 \$	(0,921,540.50)	0 \$	9,592,304.40	0 \$	-	0 \$	-	0 \$	-	U	ə -
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(12,182.97)	0 \$	-	0 \$	(359.18)	0 \$	-	0 \$	-	0	\$ -
36 37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0\$	(,.02.07)	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	\$ -
38 39 40	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 SUBTOTAL	555.42	0 \$	(25,969.80)	0 \$	18,603.67 18,735.69	0 \$ 0 \$	(765.38)	0 \$ 0 \$	548.70 14.837.01	0 \$ 0 \$		0	
41	SOBTOTAL RNU & Misc Charges		U \$	(20,909.00)	U \$	10,733.09	0 \$	(703.38)	υş	14,037.01	0 \$	-	U	φ -
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 \$	-		\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$ 0 \$	(5,022.06)	0 \$ 0 \$	32.05	0 \$ 0 \$	-	0 \$	-	0 \$	-	0	\$ -
47 48	DA Ramp Product RT Ramp Product	555.63 555.64	0\$	- (209.70)	0 \$ 0 \$	369.09 120.83	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0	
40	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(59,657.08)	0 \$	120.83	0 \$	-	0 \$	-	0 \$	-	0	
50	SUBTOTAL		0 \$	(144,025.64)	0 \$	104,948.42	0\$	(1,996.46)	0\$	1,574.28	0\$	-	Ő	
	SM Charges													
51 52	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 53	RT ASM Excessive Energy Amount SUBTOTAL	555.56	(3) \$ (33,617) \$	(4,378.59)	374 \$ 32,126 \$	198.73 364,634.13	0 \$ (469) \$	(552.58) (96,285.30)	57 \$ 15,344 \$	214.09 208,361.94	0 \$ 0 \$		0	Ψ
53	SUDIVIAL		(33,017) \$	(0/0,030.00)	J∠,120 \$	304,034.13	(403) \$	(90,203.30)	10,044 \$	200,301.94	L 0 \$	-	U	φ -

				Detail of MISO	il Power Company Day 2 Charges - Sys ncludes any adjustr								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET E Cost	BASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0000		iterende		0001		iterende		0001		novonuo
54	DA Congestion Rebate on COGA 555.0	0	\$-	0 5	÷ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA 555.0		\$ -	0 9	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA 555.2	0	\$ -	0 5	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA 555.2			0 5		0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	0	\$-	0 9	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	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 63	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)	¢ 17,300,341.24								
	Retail MWh include losses of 2.8%			• (0,010,014.10)									
Ŭ.													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRAN	SACTIONS											
68	NET MISO (Rev-Cost and MWh)							\$	210,889.28			\$	-
69	Less: Fuel Cost							17,385 \$	421,159.87	1			
70	Less: Misc Cost Adjustment							\$	-	1		\$	-
71	Plus: Capacity Revenue									1		\$	-
72	Plus: Bilateral Sales									1		\$	-
73	Less: Bilateral Purchases									1		\$	-
74	Less: Schedule 24 for Asset Based Sales							\$	239.15	1		\$	-
75 76									(240 500 74)				
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							\$	(210,509.74)	+		\$	-
										1			
										1			

					Ottor Toil	Power Company								
						Power Company Jay 2 Charges - Syst	em							
						ludes any adjustme								
		(4)	(B)	(C)	(D)	(5)	(F)		(H)	(1)	(L)	(K)	(1)	(M)
		(A)	(B)	(C) RE	(D) TAIL	(E)	(F)	ASSET BASED		(I)	(J)			(101)
	Charge Type Description	Acct	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	(555,665) \$		301,469 \$		0 \$	-	3,246 \$	124,575.40	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		4,870 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount	555.19	(30,381) \$	(672,591.33)	17,377 \$	554,336.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$	(15,263,827.19)	<u>0</u> \$ 323,716\$	8.582.870.21	0 \$ 0 \$		0 \$ 3.246 \$	- 124.575.40	0 \$ 0 \$	-	0 \$ 0 \$	-
5	Day Ahead & Real Time Energy Loss		(566,046) \$	(15,263,627.19)	323,710 \$	0,502,070.21	0 \$		3,240 \$	124,5/5.40	0 \$		U Ş	
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
7	RT Distribution of Losses Amount	555.24	0\$		0\$	329,029.26	0\$		0\$	-	0\$	-	0\$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0\$	-
9	DA Loss Amount		0 \$		0 \$		0 \$		0 \$	-	0 \$	-	0\$	-
10	RT Loss Amount		0 \$		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0\$	(735,094.00)	0 \$	329,029.26	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 17	DA Mkt Admin Amount	555.01	0 \$		0 \$		0 \$	(284.61)	0 \$	-	0 \$	-	0 \$	-
17 18	RT Mkt Admin Amount FTR_Mkt Admin Amount	555.18 555.13	0\$		0 \$ 0 \$		0 \$ 0 \$	(2,613.32)	0 \$ 0 \$	33.29	0 \$ 0 \$	-	0 \$ 0 \$	-
18	SUBTOTAL	555.13	0 \$	(1,421.44)	0 \$		0 \$	(2,897.93)	0 \$	33.29	0 \$		0 \$	
19	Congestion & FTRs		U ֆ	(11,312.05)	U ֆ	000.34	U Ş	(2,097.93)	U Ş	33.29	0 \$	-	U \$	-
20	DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
20 21	DA PBT Congestion Amount DA Congestion	555.05	0\$		0\$		0\$	-	0 \$	-	0 \$	-	0 \$	-
22		555.20	0\$		0\$		0 \$		0 \$	-	0\$		0\$	-
23	RT Congestion	000.20	0\$		0\$	-	0 \$		0 \$	-	0 \$	-	0\$	-
24	FTR Hourly Allocation Amount	555.14	0\$		0 \$	4.257.421.81	0 \$	-	0 \$	-	0 \$	-	0\$	-
25		555.15	0 \$		0 \$		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 \$	(198,425.26)	0 \$	349,624.72	0 \$		0\$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(349,624.72)	0 \$	198,425.26	0 \$		0 \$	-	0 \$	-	0 \$	-
30 31	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	6,437,665.22	0 \$	-	0\$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$	206,829.38	0 \$	-	0\$	-	0 \$	-	0 \$	-
32 33 34	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$		0\$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	115,534.01	0 \$	-	0 \$	-	0 \$	-	0 \$	-
		555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL RSG & Make Whole Payments		0 \$	(7,381,598.27)	0 \$	8,845,693.59	0 \$	-	0 \$	-	0 \$	-	0 \$	
20	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(40.040.00)	0 \$		0 \$	(4.040.00)	0 \$		0 \$		0 \$	
36 37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10 555.11	0\$		U \$ 0 \$		0\$	(1,048.38)	0\$	-	0 \$	-	0\$	-
37		555.11 555.29	0 \$		0\$		0 \$	- (664.68)	0\$	- 1.26	0 \$		0\$	-
38 39	RT Revenue Sufficiency Guarantee Pirst Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.29 555.30	0\$		0\$	20.14	0 \$	(13.62)	0\$	13,788.34	0 \$		0\$	-
39 40	RT Price Volatility Make Whole Payment	555.42	0 \$	- (1.06)	0 \$	14,626.12	0 \$	(13.62)	0 \$	957.33	0 \$	-	0 \$	-
40		550.72	0 \$		0 \$		0 \$	(1,726.74)	0 \$	14,746.93	0 \$		0 \$	-
	RNU & Misc Charges					.,	1		· •	,	1 1			
42	RT Misc Amount	555.25	0 \$	(108.01)	0 \$	580.77	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$		0 \$	15,331.71	0 \$	-	0 \$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$	25,443.92	0 \$	(21,183.82)	0\$	1,665.24	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$	123.50	0 \$	-	0\$	-	0 \$	-	0 \$	-
47		555.63	0 \$		0 \$	1,098.94	0 \$	-	0\$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$		0 \$	247.94	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL		0 \$	(368,460.47)	0 \$	43,716.35	0 \$	(21,183.82)	0\$	1,665.24	0 \$	-	0 \$	-
	ASM Charges										_			
51	RT ASM Non-Excessive Energy Amount	555.55	(37,078) \$	(869,316.12)	33,874 \$	812,643.28	(585) \$	(14,693.32)	33,429 \$	944,405.96	0 \$	-	0 \$	-
52 53	RT ASM Excessive Energy Amount	555.56	(104) \$	(24,887.81) (894.203.93)	613 \$	26.00 812.669.28	0 \$ (585) \$	(239.35) (14,932.67)	79 \$ 33.508 \$	180.26 944.586.22	0 \$	-	0 \$	-
53	SUBTOTAL		(37,182) \$	(894,203.93)	34,487 \$	812,669.28	(585) \$	(14,932.67)	33,508 \$	944,586.22	0 \$	-	0 \$	-

					Detail of MISC	ail Power Com) Day 2 Charge ncludes any ac	s - Syst								
	A)	(B)		(C)	(D)	(E)		(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Ac	t MWh		Cost RE	TAIL MWh	Revenue		MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	NON ASSET E Cost	BASED WHOLESALE MWh	E Revenue
	Grandfathered Charge Types			0000		noronao			0001		Rovollao		0001		novenue
54	DA Congestion Rebate on COGA 555	05	0 \$	-	0	\$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	- 6
55	DA Losses Rebate on COGA 555		0 \$	-	0	\$	-	0 \$	-	0 \$	-	0 \$	-	0 9	- 5
56	RT Congestion Rebate on COGA 555	22	0 \$	-	0	\$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	s -
57	RT Loss Rebate on COGA 555	23	0 \$	-	0		-	0 \$	-	0 \$	-	0 \$	-	0 \$	
58	SUBTOTAL		0\$	-	0	\$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	TOTAL MISO DAY 2 CHARGES	(623,2	228) \$	(24,746,739.05)	358,203			(585) \$	(40,741.16)	36,753 \$	1,085,607.08	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(77,372.85)		\$ 68	6.54								
61	Congestion and Losses Adjustment		\$	75,947.92											
62	No DA generation sch., but still had output for current month		\$	-											
63 64															
64 65	Total for MN Energy Adjustment Rider			(24,745,314.12)		\$ 18.639.36	0.02								
66	Net Retail for MN Energy Adjustment Rider		ş		(6,105,944.19)	\$ 10,039,30	9.93								
	Retail MWh include losses of 2.8%			Ŷ	(0,103,344.13)										
07															
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRA	NSACTIONS					1								
68	NET MISO (Rev-Cost and MWh)									\$	1,044,865.92			\$	- 6
69	Less: Fuel Cost									36,150 \$	859,797.55				
70	Less: Misc Cost Adjustment									\$	-			\$	÷ -
71	Plus: Capacity Revenue													\$	- 6
72	Plus: Bilateral Sales													\$	- 6
73	Less: Bilateral Purchases													\$	ş -
74	Less: Schedule 24 for Asset Based Sales									\$	502.31			\$	- 6
75															
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$	184,566.06			9	5 -

					Detail of MISO D	Power Company Day 2 Charges - Sys udes any adjustmer								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE	TAIL MWh	Revenue	MWh	ASSET BASED Cost	WHOLESALE MWh	Revenue	MWh	NON ASSET BA	ASED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy	ACCI		COSI		Revenue	WWWII	COSL		Revenue	WWWII	COSI		Revenue
1	DA Asset Energy Amount	555.02	(444,925) \$	(10,679,514.47)	255.249 \$	6.499.997.07	0 \$	-	687 \$	23.427.44	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		4,106 \$		0 \$	-	0 \$		0 \$		0 \$	-
3	RT Asset Energy Amount	555.19	(12,526) \$		38,069 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount	555.26	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
5	SUBTOTAL		(457,451) \$	(10,577,048.69)	297,424 \$	7,607,695.41	0 \$	-	687 \$	23,427.44	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 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	(81,913.29)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(553,979.67)	0 \$	187,012.83	0 \$	-	0 \$	-	0 \$	-	0 \$	
46	Virtual Energy	555 45												
13	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0\$	-
14	SUBTOTAL	555.32	0 \$	-	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	
	Schedules 16 & 17		U \$	-	0 \$			-	υş	-		-	U \$	-
16	DA Mkt Admin Amount	555.01	0 \$	(63,956.65)	0 \$		0 \$	(55.42)	0 \$	-	0 \$	-	0 \$	
17	RT Mkt Admin Amount	555.18	0\$		0\$		0\$	(1,942.28)	0\$	-	0 \$		0\$	
18	FTR Mkt Admin Amount	555.13	0\$		0\$	-	0\$	(1,342.20)	0 \$	-	0\$		0\$	_
19	SUBTOTAL	000.10	0 \$		0 \$	853.48	0 \$	(1.997.70)	0 \$		0 \$	-	0 \$	-
	Congestion & FTRs			(,)				(1)	• •					
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	(276,927.85)	0 \$	-	0 \$	-	0\$	-	0 \$		0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(103,382.02)	0 \$	4,475,036.72	0 \$	-	0\$	-	0 \$		0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$	241,264.34	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 \$		0 \$	471,082.50	0 \$	-	0\$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$	243,670.50	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	6,437,665.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$	206,829.38	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	115,534.11	0 \$	-	0 \$	-	0 \$		0 \$	-
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(7.752.660.34)	0 \$ 0 \$	9.870.016.37	0 \$ 0 \$		0 \$	-	0 \$ 0 \$		0 \$ 0 \$	-
33	RSG & Make Whole Payments		U \$	(1,152,000.34)	0 \$	3,070,010.37	0 \$	-	υş	-	0.3	-	υş	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(7,956.32)	0 \$	2.04	0 \$	(320.23)	0 \$	0.07	0 \$	-	0 \$	-
30	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10	0 \$		0\$		0\$	(320.23)	0\$	211.36	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0\$		0\$		0\$	(198.22)	0\$	2.70	0\$	-	0\$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0\$		0\$	(100:22)	0 \$	37,642.43	0\$	-	0\$	-
40	RT Price Volatility Make Whole Payment	555.42	0\$		0\$	18,139.69	0\$	-	0 \$	730.37	0\$	-	0\$	-
41	SUBTOTAL	· · · ·	0 \$		0 \$		0 \$	(518.45)	0 \$	38,586.93	0 \$	-	0 \$	-
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0 \$		0 \$	41.86	0 \$	-	0\$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$		0 \$	14,740.46	0 \$	-	0\$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$	24,760.11	0 \$	(8,741.85)	0\$	996.73	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 \$		0 \$	1.68	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$		0 \$	1,516.56	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$		0 \$	126.31	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL		0 \$	(254,030.79)	0 \$	41,729.96	0 \$	(8,741.85)	0 \$	996.73	0 \$	-	0 \$	
54	ASM Charges		(00.044) *	(000.074.01)	04.441	070 400 00	(220) *	(0.040.00)	00 747	500 447 00	0 *		0 *	
51 52	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.55 555.56	(38,914) \$ (123) \$	(692,874.61) (2,872.22)	31,441 \$ 372 \$	378,493.08 338.94	(339) \$ 0 \$	(8,946.23)	20,717 \$ 62 \$	508,117.39 629.83	0 \$ 0 \$	-	0 \$ 0 \$	-
52 53	SUBTOTAL	00.00	(39,037) \$	(695,746.83)	31,813 \$	338.94	(339) \$	(8,946.23)	20,780 \$	508,747.22			0 \$	-
33	JUDICIAL		(33,037) \$	(093,/40.03)	31,013 \$	310,032.02	(333) \$	(0,940.23)	20,100 \$	500,141.22	U \$	-	U \$	

				Detail of MISO	l Power Company Day 2 Charges - Sys ludes any adjustmer								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET E Cost	BASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0001		Rovenae		0000		noronao		0001		novenue
54	DA Congestion Rebate on COGA 555.05	0 9	-	0 9	6 -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA 555.06	0 9	-	0 9	- 6	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA 555.22	0 \$	-	0 9	s -	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 \$	-
	TOTAL MISO DAY 2 CHARGES	(496,488)	(19,922,255.84)	329,237		(339) \$	(20,204.23)	21,466 \$	571,758.32	0 \$	-	0 \$	
60	Less Schedule 16 & 17 (Lines 16, 17, 18)	5	(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	1	(45,283.16)										
63													
64	Total for MN Courses Adjustment Didea		(40.045.005.00)		5 18.106.842.75								
65 66	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider	•	(19,645,085.26)	\$ (1,538,242.51)	18,106,842.75								
	Retail MWh include losses of 2.8%			\$ (1,538,242.51)									
07	Retail MWIT Include losses of 2.8%												
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANS	ACTIONS								1			
68	NET MISO (Rev-Cost and MWh)							S	551,554.09	1		\$	-
69	Less: Fuel Cost							21,128 \$	488,187.03	1			
70	Less: Misc Cost Adjustment							\$	-	1		\$	-
71	Plus: Capacity Revenue									1		\$	-
72	Plus: Bilateral Sales									1		\$	-
73	Less: Bilateral Purchases									1		\$	-
74	Less: Schedule 24 for Asset Based Sales							\$	297.17	1		\$	-
75													
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							\$	63,069.89			\$	-
										1			

ĺ					Otter Tail	Power Company								
					Detail of MISO D	ay 2 Charges - Sys								
					May 2023 Inclu	ides any adjustmen	its							
		(A)	(B)	(C)	(D) TAIL	(E)	(F)	(G) ASSET BASED		(I)	(J)	(K)		(M)
	Charge Type Description	Acct	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	(483,612) \$		332,144 \$		0 \$	-	20,863 \$	710,463.08	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		4,135 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount	555.19	(14,571) \$	(322,257.56)	49,224 \$	1,148,553.00	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$	(12,170,239.21)	0 \$ 385,503 \$	9.694.047.25	0 \$ 0 \$		0 \$ 20.863 \$	710.463.08	0 \$ 0 \$		0 \$ 0 \$	· ·
	Day Ahead & Real Time Energy Loss		(490,104) \$	(12,170,239.21)	305,503 \$	9,094,047.25	U Ş		20,003 \$	710,403.00	0 \$		U Ş	
6	DA FBT Loss Amount	555.04	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
7	RT Distribution of Losses Amount	555.24	0 \$		0\$		0\$	-	0 \$	-	0\$	-	0\$	
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$	(582,354.29)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	(5,247.31)	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	
11	DA Losses Rebate on Option B GFA	555.08	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
12	SUBTOTAL		0 \$	(666,311.08)	0 \$	155,595.73	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
13	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	SUBTOTAL	555.32	0 \$	-	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
	Schedules 16 & 17		~ ~	-	υ φ	-	νψ	-	U 4	2	~ ~	-	νψ	-
16	DA Mkt Admin Amount	555.01	0 \$	(73,622.30)	0 \$	-	0 \$	(1,870.93)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$		0 \$		0 \$	(2,547.29)	0 \$	0.07	0 \$	-	0 \$	
18	FTR Mkt Admin Amount	555.13	0 \$	(1,850.64)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
19	SUBTOTAL		0\$	(86,433.15)	0 \$	1,449.87	0 \$	(4,418.22)	0\$	0.07	0 \$	-	0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
22 23	RT FBT Congestion Amount	555.20	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
23	RT Congestion FTR Hourly Allocation Amount	555.14	0 \$ 0 \$		0 \$ 0 \$	2.960.542.88	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
24 25	FTR Monthly Allocation Amount	555.14 555.15	0 \$		0 \$	2,960,542.88	0 \$	-	0 \$	-	0 \$	-	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0\$		0\$	170,000.20	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 \$		0 \$	278,405.68	0 \$		0 \$	-	0 \$	-	0 \$	
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$	210,757.42	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(206,697.51)	0 \$	6,437,665.22	0 \$		0 \$	-	0 \$	-	0 \$	
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$	206,829.38	0 \$	-	0\$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	115,534.11	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(7,491,233.03)	0 \$ 0 \$	8,886,208.43	0 \$		0 \$	-	0 \$		0 \$ 0 \$	-
	RSG & Make Whole Payments		0 \$	(7,491,233.03)	U \$	0,000,200.43	U Ş	-	U Ş	-	U Ş	-	0 \$	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(9,267.97)	0 \$	0.18	0 \$	(766.60)	0 \$	-	0 \$		0 \$	_
30 37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$		0 \$	(100.00)	0 \$	8,604.15	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0\$		0\$	(1,104.60)	0 \$	0.20	0\$	-	0\$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0\$		0\$		0\$	-	0 \$	67,753.03	0\$	-	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 \$	-	0 \$	-
41	SUBTOTAL		0 \$	(22,628.91)	0 \$	42,558.26	0 \$	(1,871.40)	0\$	79,414.18	0 \$	-	0 \$	-
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
43 44	RT Net Inadvertent Amount	555.27 555.28	0 \$		0 \$ 0 \$	18,797.97 43,619,60	0 \$ 0 \$	-	0 \$ 0 \$	- 3.608.48	0 \$ 0 \$	-	0 \$ 0 \$	-
44 45	RT Revenue Neutrality Uplift Amount RT Uninstructed Deviation Amount	555.28 555.31	0 \$ 0 \$		0\$	43,619.60	0\$	(8,446.25)	0\$	3,608.48	0\$	-	0\$	-
45 46	RT Demand Response Allocation Uplift Amount	555.31 555.59	0 \$		0 \$	20.32	0 \$	-	0\$	-	0 \$	-	0 \$	-
40	DA Ramp Product	555.63	0 \$		0\$		0\$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0\$		0\$		0\$	-	0 \$	_	0\$	-	0\$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0\$	(26,265.76)	0\$	686.92	0\$	-	0 \$	-	0\$	-	0\$	
50	SUBTOTAL		0 \$		0 \$		0 \$	(8,446.25)	0 \$	3,608.48	0 \$	-	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(58,045) \$		25,205 \$	348,252.42	(1,807) \$	(35,424.46)	22,989 \$	564,775.34	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(405) \$	(2,592.36)	257 \$	10,377.75	0 \$	-	7 \$	128.65	0 \$	-	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 \$	-	0 \$	

				Detail of MISO	il Power Company Day 2 Charges - Sys Iudes any adjustmer								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	NON ASSET B Cost	ASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0031		Revenue		0031		Revenue		0031		Revenue
54	DA Congestion Rebate on COGA 555.05	0	s -	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 \$	-
	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 61	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$ (86,433.15) \$ 62,667.79		\$ 1,449.87								
61 62	Congestion and Losses Adjustment No DA generation sch., but still had output for current month		\$ 62,667.79 \$ (2,545.54)										
63	No DA generation sch., but still had output for current month		ə (2,545.54)										
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)	¢ 13,200,000.04								
	Retail MWh include losses of 2.8%			• (2,000,21110)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANS	ACTIONS											
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							-		1		\$	-
74 75	Less: Schedule 24 for Asset Based Sales							ş	632.23	1		\$	-
75	TOTAL ASSET or NON ASSET BASED WHOLESALE					+		•	275.863.65	+		¢	-
10	TOTAL ASSET OF NON ASSET BASED WHOLESALE							ş	213,003.05			3	-
1													
										1			

2 D Non-state Findy Mondar SSS 8 B SSS 8									Power Company					
NET DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT NEXT DESCRIPTION AND TRANSPORT														
Image: Display and the matrix and thematrix and thematrix and thematrix and the matrix and the matrix a	(M)			(J)	(I)			(F)	(E)			(B)	(A)	
Dis De Auszak Real Time Finang Data Disk	LE Revenue			MWb	Revenue			MWh	Revenue			MWh	Acct	Charge Type Description
2 D Non-sense freedy max. 55.09 0 5			0001		novonao		0001		noronao		0000		71001	
3 TAWE TAWE TENDY, MOORT 005.13 00.4027.93 2.9427.253 0.0 5 - 0.0 5		0\$	-	0 \$	248,125.80	6,960 \$	-		9,422,253.89		(12,641,864.76)	(446,091) \$		
4 If Yes, Acade Theory, Moneyn 90 % - 0 % 0 % - 0 % 0 % - 0 % 0		0 \$	-		-		-				-			2 DA Non-asset Energy Amount
5 Destroyal 103.387.778 354.048 7 0 1 6.546 2.46.12.80 8 . 0 9 PARLAS LEVEN 0 1 0.5		0 \$	-		-		-		244,273.93		(694,907.16)			
Dec Add Rest And Time Encound DOL Dec Add Rest And Time Encound DOL Dec Add Rest Add Time Encound DOL Dec Add Rest Add Time Encound DOL Dec Add Rest Add Time Encound DOL Dec Add Rest Add Time Encound DOL Dec Add Rest Add Time Encound DOL Encound <thdol< td=""><td></td><td>0 \$</td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td><td>-</td><td></td><td>555.26</td><td></td></thdol<>		0 \$	-		-				-		-		555.26	
6 D. AFPT Less Anomin 95.54 0 5 . 0 <td>\$</td> <td>0 \$</td> <td>-</td> <td>UŞ</td> <td>240,125.00</td> <td>6,960 \$</td> <td>-</td> <td>U Ş</td> <td>9,764,548.17</td> <td>324,439 \$</td> <td>(13,336,771.92)</td> <td>(469,528) \$</td> <td></td> <td></td>	\$	0 \$	-	UŞ	240,125.00	6,960 \$	-	U Ş	9,764,548.17	324,439 \$	(13,336,771.92)	(469,528) \$		
I BT Distribution of Losse Amount 555.24 0 \$ (113.42.17) 0 \$ 88.195.07 0 \$ 5 -	\$	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	555.04	
B IF FFT Luss Ansamt 5521 0 5 0 5		0 \$	-		-				368,195,50		(118.342.17)			
10 DT Loss Amount 0 5	\$	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-			8 RT FBT Loss Amount
11 DA Losses Relation Option GFA 06 S . 0 S <td></td> <td>0 \$</td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>		0 \$	-		-				-					
17 SUBSTOTAL 0 5 - 0 5		0 \$	-		-		-		-		(390.83)			
Wrade Energy Image: Constraint of the State		0 \$	-		-				-		-		555.08	
10 DA Vinsal Energy Ansauti 655.22 0 \$. <	\$	0 \$	-	0\$	-	0 \$	-	0\$	368,195.50	0\$	(706,833.57)	0\$		
Id RT Vinial Energy Ansamt 652 20 0 1 <t< td=""><td>\$</td><td>0 \$</td><td>_</td><td>0 ¢</td><td>_</td><td>0 ¢</td><td>_</td><td>۰ ۹</td><td>_</td><td>∩ ¢</td><td>_</td><td>0 0</td><td>555 10</td><td></td></t<>	\$	0 \$	_	0 ¢	_	0 ¢	_	۰ ۹	_	∩ ¢	_	0 0	555 10	
15 Surfacture 16 17 0 1		0 \$	-		-						-			
Schedules 16 17		0 \$	-		-								000.02	
17 RT Mu Admin Amount 655:18 0 8 (e)(2014) 0 5 21273 0 5 1 0 5 .		<u> </u>												Schedules 16 & 17
18 FTR Mit Admin Amount 555.3 0 \$ 12(204464) 0 \$ 10 S 0 \$ 10 0 \$ 10 0 \$ 10 0 \$ 10 0 \$ 10 \$		0 \$	-		-				-					
10 SUBTOTAL 10 8 (19281.03) 0 8 212.75 0 8 . 0 \$ </td <td></td> <td>0 \$</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>(1,878.28)</td> <td></td> <td>212.73</td> <td></td> <td></td> <td></td> <td></td> <td></td>		0 \$	-		-		(1,878.28)		212.73					
Comparison Arrows Comparison Amount S5.03 0 S		0 \$	-		-		-		-				555.13	
20 DAFBT Congestion 0 \$	\$	0 \$	-	0 \$	-	0 \$	(2,525.24)	0\$	212.73	0 \$	(79,251.03)	0\$		
21 DA Congestion 0 \$	¢	0 \$	-	2 0		0 \$		۹ ۵		2 0		2 0	555.02	
22 RT FBT Congestion Amount 55.20 0 \$ - <t< td=""><td></td><td>0 \$</td><td>-</td><td></td><td>-</td><td></td><td></td><td></td><td>(2 301 580 36)</td><td></td><td></td><td></td><td>555.05</td><td>20 DA FBT Congestion Amount 21 DA Congestion</td></t<>		0 \$	-		-				(2 301 580 36)				555.05	20 DA FBT Congestion Amount 21 DA Congestion
23 RT Congestion 0 \$	\$		-				-		(2,001,000.00)		-		555.20	22 RT FBT Congestion Amount
24 FTR Houry Milocation Amount 555.15 0 \$ - 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	\$		-		-				-		(180.578.94)		000.20	23 RT Congestion
26 FTR Yearty Macation Amount 555.7 0 \$.	\$	0 \$	-	0 \$	-	0 \$	-	0 \$	2,412,648.77				555.14	24 FTR Hourly Allocation Amount
27 FTR Monthy Transaction Amount 553.63 0 \$.	\$	0 \$	-	0 \$	-	0\$			96,393.21	0 \$	-			25 FTR Monthly Allocation Amount
28 FTR Full Funding Guarantee Amount 555.37 0 \$ (82,283.91) 0 \$ 186,138.27 0 \$ - 0 \$ </td <td></td> <td>0 \$</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td>26 FTR Yearly Allocation Amount</td>		0 \$	-		-		-		-		-			26 FTR Yearly Allocation Amount
29 FTR Guarantee Uplit Amount 555.37 0 \$ (180.18.827) 0 \$ 91.397.60 0 \$ - 0 \$		0 \$	-		-		-		-		-			
90 FTR Aucton Revenue Rights Transaction Amount 555.39 0 \$ (13,694.01) (13,694.01) (13,694.01) (13,694.01) (13,694.01) (13,694.01) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,672.149,89) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,692.141,40) (13,612.141,40) (13,622.141,40) (13,612.141,40) (13,612.141,40) (13,612.141,40) (13,612.141,50) (13,612.141,50) (13,612.141,50) (13,612.141,50) (13,612.141,50) (13,	\$		-	υψ	-		-							28 FTR Full Funding Guarantee Amount
11 FTR Annual Transaction Amount 555.38 0 \$ (3,72;149,89) 0 \$ - 0 \$ <	\$		-		-		-	υψ						29 FTR Guarantee Uplift Amount
12 FTR Auction Revenue Rights Infeasible Uplit Amount 555.40 0 \$ - 0 \$ <td>\$ \$</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>30 FIR Auction Revenue Rights Transaction Amount 51 ETR Appual Transaction Amount</td>	\$ \$		-		-		-							30 FIR Auction Revenue Rights Transaction Amount 51 ETR Appual Transaction Amount
35 SUBTOTAL 0 \$ 0	+	0 \$	-		-			υψ	13,755.65					32 FTR Auction Revenue Rights Infeasible Unlift Amount
35 SUBTOTAL 0 \$.		0\$	-						197 429 56					33 FTR Auction Revenue Rights Stage 2 Distribution Amount
35 SUBTOTAL 0 \$ 0		0 \$	-		-				-					34 DA Congestion Rebate on Option B GFA
36 DA Revenue Sufficiency Guarantee Distribution Amount 555.10 0 \$ (5,187.60) 0 \$ - 0 \$ (272.74) 0 \$ - 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$. 0 \$ 1 0 \$. 0 \$ 1 0 \$. 0 \$ 1 0 \$. 0 \$ 1 0 \$. 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ <td>\$</td> <td>0 \$</td> <td>-</td> <td>0 \$</td> <td>-</td> <td>0 \$</td> <td>-</td> <td>0 \$</td> <td>4,623,134.44</td> <td>0 \$</td> <td>(4,095,495.09)</td> <td>0 \$</td> <td></td> <td>35 SUBTOTAL</td>	\$	0 \$	-	0 \$	-	0 \$	-	0 \$	4,623,134.44	0 \$	(4,095,495.09)	0 \$		35 SUBTOTAL
37 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount 555.11 0 \$ - 0 \$ 1,252.94 0 \$ 1,458 0 \$ - 0														
38 RT Revenue Sufficiency Guarantee First Pass Distribution Amount 555.29 0 \$ (10,361.54) 0 \$ 62.68 0 \$ (544.82) 0 \$ 3.14 0 \$ -<		0 \$	-		-		(272.74)		- 1		(5,187.60)			36 DA Revenue Sufficiency Guarantee Distribution Amount
40 RT Price Volatility Make Whole Payment 555.42 0 \$ (0.58) 0 \$ 56,121.05 0 \$ (0.03) 0 \$ 2.952.53 0 \$ - (0 41 SUBTOTAL 0 \$ (15,549.72) 0 \$ 57,436.67 0 \$ (0.03) 0 \$ 2.952.53 0 \$ - (0 41 SUBTOTAL 0 \$ (15,549.72) 0 \$ 57,436.67 0 \$ (10.33) 0 \$ (817.59) 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ -		0 \$	-											37 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount
40 RT Price Volatility Make Whole Payment 555.42 0 \$ (0.58) 0 \$ 56,121.05 0 \$ (0.03) 0 \$ 2.952.53 0 \$ - (0 41 SUBTOTAL 0 \$ (15,549.72) 0 \$ 57,436.67 0 \$ (0.03) 0 \$ 2.952.53 0 \$ - (0 41 SUBTOTAL 0 \$ (15,549.72) 0 \$ 57,436.67 0 \$ (10.33) 0 \$ (817.59) 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ -		0 \$ 0 \$	-				(544.82)		62.68		(10,361.54)			38 K I Revenue Sufficiency Guarantee First Pass Distribution Amount
41 SUBTOTAL 0 \$ (15,549.72) 0 \$ 57,436.67 0 \$ (817.59) 0 \$ 7,287.44 0 \$.		0 \$	-				- (0.03)		56 121 05		- (0.58)			A RT Price Volatility Make Whole Payment
RNU & Misc Charges 1		0 \$	-										333.42	
42 RT Misc Amount 555.25 0 \$ (1,112.53) 0 \$ 26,186.95 0 \$ -	· · · · · ·	- +		- +	.,	- •	(2.1.30)	- •		J ¥	(- +		
43 RT Net Inadvertent Amount 555.27 0 \$ (40,361.61) 0 \$ 41,038.64 0 \$ - 0 \$	\$	0 \$	-	0 \$	-	0 \$	-	0 \$	26,186.95	0 \$	(1,112.53)	0 \$	555.25	42 RT Misc Amount
45 RT Uninstructed Deviation Amount 555.31 0 \$ -		0 \$	-		-		-							43 RT Net Inadvertent Amount
46 RT Demand Response Allocation Uplift Amount 555.59 0 \$ (19.09) 0 \$ 4.60 0 \$ - 0 \$ </td <td></td> <td>0 \$</td> <td>-</td> <td></td> <td>1,972.56</td> <td></td> <td>(7,318.23)</td> <td></td> <td>37,499.65</td> <td></td> <td></td> <td></td> <td></td> <td></td>		0 \$	-		1,972.56		(7,318.23)		37,499.65					
48 RT Ramp Product 555.64 0 \$ (219.57) 0 \$ 570.55 0 \$ - <td></td> <td>0 \$</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>45 RT Uninstructed Deviation Amount</td>		0 \$	-		-		-		-					45 RT Uninstructed Deviation Amount
48 RT Ramp Product 555.64 0 \$ (219.57) 0 \$ 570.55 0 \$ - <td></td> <td>0 \$ 0 \$</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>(19.09)</td> <td></td> <td></td> <td>46 K i Demand Response Allocation Uplift Amount</td>		0 \$ 0 \$	-		-		-				(19.09)			46 K i Demand Response Allocation Uplift Amount
49 RT Schedule 49 Cost Distribution Amount 555.65 0 \$ (20,073.62) 0 \$ 433.11 0 \$ - <		0\$	-		-		-				(210.57)			4/ DA Kamp Product
50 SUBTOTAL 0 \$ (200,893.52) 0 \$ 110,438.34 0 \$ (7,318.23) 0 \$ 1,972.56 0 \$ - 0 ASM Charges -		0 \$	-		-									
ASM Charges		0 \$	-		1,972.56		(7,318.23)						555.05	
E4 DT ASMAlon Evenening Energy Amount EEE E5 (40.004) \$ (4.00.002.47) 40.944 \$ 004.040.020 (4.006) \$ (40.947.40) 47.644 \$ 467.407.05 0 \$							(// /				(
		0\$	-	0 \$	451,487.65	17,641 \$	(19,847.42)	(1,306) \$	204,019.33	10,814 \$	(1,220,203.17)	(49,291) \$	555.55	
		0 \$	-				-		-				555.56	
53 SUBTOTAL (49,291) \$ (1,222,163.41) 11,071 \$ 204,019.33 (1,306) \$ (19,847.42) 17,644 \$ 451,505.63 0 \$ - (0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	\$	0 \$	-	0 \$	451,505.63	17,644 \$	(19,847.42)	(1,306) \$	204,019.33	11,071 \$	(1,222,163.41)	(49,291) \$		53 SUBTOTAL

				Detail of MISO	il Power Company Day 2 Charges - Sys cludes any adjustme								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Acc	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET B Cost	ASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		COSI	WIVE	Revenue	WINNI	COSI		Revenue		COSt	WWW	Revenue
54	DA Congestion Rebate on COGA 555.0	5 0	\$ -	0	s -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA 555.0		\$ -	0		0 \$	-	0 \$	-	0 \$	-	0 \$	
56	RT Congestion Rebate on COGA 555.2	2 0	\$ -	0 1	\$-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA 555.2	3 0	\$ -	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	0	ş -	0 :	\$-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	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 62	Congestion and Losses Adjustment No DA generation sch., but still had output for current month		\$ (4,321.99)										
62 63	No DA generation sch., but still had output for current month		۶ -										
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)	• 10,127,772.40								
	Retail MWh include losses of 2.8%			(1,110,012.10)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRAI	SACTIONS											
68	NET MISO (Rev-Cost and MWh)							\$	678,382.95			\$	-
69	Less: Fuel Cost							23,298 \$	531,713.87	1			
70	Less: Misc Cost Adjustment							\$	-	1		\$	-
71	Plus: Capacity Revenue									1		\$	-
72	Plus: Bilateral Sales											\$	-
73	Less: Bilateral Purchases											\$	-
74	Less: Schedule 24 for Asset Based Sales							\$	332.16			\$	-
75 76	TOTAL ASSET or NON ASSET BASED WHOLESALE								146.336.92	-		¢	
10	TOTAL ASSET OF NON ASSET DASED WHOLESALE							\$	140,330.92	1		\$	-

						Power Company								
						ay 2 Charges - Syst Ides any adjustmen								
		(A)	(B)	(C)	(D) TAIL	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE	MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	Cost	ASED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(442,849) \$	(14,349,274.07)	336,794 \$		0 \$	-	21,393 \$	824,909.82	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		4,021 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount	555.19	(11,973) \$		15,377 \$	467,569.78	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	(1) \$ (454,823) \$	(22.83)	0 \$ 356.192 \$	- 12.006.849.39	0 \$ 0 \$		0 \$ 21.393 \$	824.909.82	0 \$	-	0 \$ 0 \$	
	Day Ahead & Real Time Energy Loss		(454,823) \$	(14,741,593.94)	356,192 \$	12,006,849.39	0 \$	-	21,393 \$	824,909.82	0 \$	-	U Ş	-
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		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 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
10			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 \$	-
40	Virtual Energy	EEE 40	0 \$		o *		0 C		0 \$		o *		^ ^	
13 14	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0\$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
14	SUBTOTAL	JJJJ.3∠	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 \$		0 \$	214.08	0 \$	(2,538.02)	0 \$	-	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$		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 22	DA Congestion RT FBT Congestion Amount	555.20	0 \$ 0 \$		0 \$	(782,886.92)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
22	RT Congestion Amount RT Congestion	555.20	0 \$		0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	FTR Hourly Allocation Amount	555.14	0 \$		0\$	1.139.310.45	0 \$	-	0 \$	-	0 \$		0 \$	
25		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 \$		0 \$	91,927.54	0 \$	-	0\$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	3,926,951.76	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$	13,755.63	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32 33	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33 34	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0\$	-	0\$	197,429.46	0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
34	SUBTOTAL	555.07	0 \$	(3,752,141.95)	0 \$	4.702.422.80	0 \$	-	0 \$	-	0 \$	-	0 \$	
	RSG & Make Whole Payments		τ φ	(3,702,141.33)	φ 0	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~ ~	×	~ ¥	2	~ ~	-	νΨ	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(9,000.17)	0 \$	-	0 \$	(1,003.47)	0 \$	-	0 \$	-	0 \$	-
36 37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0\$	9,575.16	0\$	-	0\$	4,539.43	0\$	-	0\$	-
38 39	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		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			0 \$	(23,783.54)	0 \$	130,347.33	0 \$	(2,651.65)	0 \$	23,036.57	0 \$	-	0 \$	-
	RNU & Misc Charges RT Misc Amount	555.25	0 *	(122 202 85)	^ ↑	471.10	0 *		0 6		0 *		0 *	
42 43	R I Misc Amount RT Net Inadvertent Amount	555.25 555.27	0 \$ 0 \$		0 \$ 0 \$	471.19 26,350.48	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
43	RT Revenue Neutrality Uplift Amount	555.28	0 \$		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 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$	-	0 \$	-	0\$	-	0\$	-	0\$	-
47		555.63	0 \$	-	0 \$	3,087.90	0 \$	-	0\$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$		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 \$	-
<u> </u>	ASM Charges		(04.000) 1	(4 454 400 50)	/7 700 ^	404 101 10	(070) 6	(40.015.1.)	00.740	4 000 070 07				
51 52	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.55 555.56	(61,903) \$ (0) \$	(1,451,102.52) (4,149,47)	17,736 \$ 268 \$	484,104.12 11.90	(970) \$ 0 \$	(19,015.44) (79.18)	29,742 \$ 17 \$	1,038,873.27 287.06	0 \$ 0 \$	-	0 \$ 0 \$	-
52		003.50	(61,903) \$		18,004 \$	484,116.02	(970) \$	(19,094.62)	29.758 \$	1.039.160.33	0 \$		0 \$	-
55			(01,000) Ø	(1,400,201.00)	10,004 9	404,110.02	(010) Ø	(10,004.02)	-0,100 \$.,000,100.00			U 4	

				Detail of MISO	il Power Company Day 2 Charges - Sys Iudes any adjustmer								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	NON ASSET B Cost	ASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types	WIVVII	COSI		Revenue	WIVVII	COSI		Revenue	NIVYII	0031		Kevenue
54	DA Congestion Rebate on COGA 555.05	0	\$ -	0	s -	0 \$		0 \$	-	0 \$		0 \$	-
55	DA Losses Rebate on COGA 555.06	ő		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 \$	-
	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 63	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)	\$ 17,700,470.13								
	Retail MWh include losses of 2.8%			\$ (0,404,525.22)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRAN	ACTIONS											
68	NET MISO (Rev-Cost and MWh)							\$	1,854,124.54			\$	-
69	Less: Fuel Cost							50,180 \$	1,364,896.11	1			
70	Less: Misc Cost Adjustment							\$	-	1		\$	-
71	Plus: Capacity Revenue									1		\$	-
72	Plus: Bilateral Sales											\$	-
73	Less: Bilateral Purchases											\$	-
74	Less: Schedule 24 for Asset Based Sales							ş	617.39			\$	-
75 76	TOTAL ASSET or NON ASSET BASED WHOLESALE								488.611.04	1			
10	TOTAL AGGET OF NON AGGET DAGED WHOLEGALE							\$	400,011.04	1		\$	-
										1			

						Power Company								
						ay 2 Charges - Systematic and a construction of the second s								
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)		(M)
	Charge Type Description	Acct	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	(468,609) \$	(18,208,095.03)	389,962 \$		0 \$	-	24,090 \$	1,042,036.32	0 \$	-	0 9	
2 3	DA Non-asset Energy Amount	555.09	0 \$	-	4,302 \$		0 \$	-	0 \$	-	0 \$	-	0 5	
	RT Asset Energy Amount	555.19	(8,751) \$		28,589 \$		0 \$	-	0 \$	-	0 \$	-	0 9	
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	(11) \$	(157.92) (18.237.490.69)	0 \$	17.730.731.82	0 \$ 0 \$		0 \$ 24.090 \$	1.042.036.32	0 \$	-	0 \$	
	Day Ahead & Real Time Energy Loss		(4//,3/0) \$	(18,237,490.69)	422,854 \$	17,730,731.82	0 \$	-	24,090 \$	1,042,036.32	UŞ	-	0 3	-
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(56,993.39)	0\$		0 \$	-	0 \$	-	0 \$		0 \$	
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$	(870,889.88)	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	(3,940.04)	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(931,823.31)	0 \$	366,890.40	0 \$	-	0\$	-	0 \$	-	0 \$	-
12	Virtual Energy DA Virtual Energy Amount	555.12	0 \$		0 \$	-	0 \$		0 \$	-	0 \$		0 \$	
13 14	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0 \$	-	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	
14	SUBTOTAL	000.02	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$		0 3	
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(64,972.83)	0 \$	-	0 \$	(1,864.31)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(8,163.92)	0 \$	717.35	0 \$	(1,594.88)	0 \$	-	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	
19	SUBTOTAL		0 \$	(74,727.31)	0 \$	717.35	0 \$	(3,459.19)	0\$	-	0 \$	-	0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
21	DA Congestion	555.00	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
22	RT FBT Congestion Amount RT Congestion	555.20	0 \$ 0 \$		0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	
22 23 24	FTR Hourly Allocation Amount	555.14	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	03	
24	FTR Monthly Allocation Amount	555.15	0\$		0\$	21,416.98	0\$		0 \$		0 \$		0 \$	
26	FTR Yearly Allocation Amount	555.17	0 \$		0\$		0 \$	-	0 ŝ	-	0 \$		0 \$	
27	FTR Monthly Transaction Amount	555.35	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(21,286.26)	0 \$	27,126.33	0 \$	-	0\$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$	13,755.63	0 \$	-	0 \$	-	0 \$	-	0 \$	
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
33 34	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 SUBTOTAL	555.07	0 \$	(4,009,242.50)	0 \$ 0 \$	4,870,725.16	0 \$ 0 \$		0 \$	-	0 \$ 0 \$		0 \$	
	RSG & Make Whole Payments		. v v	(3,000,242.00)	υψ	-,010,120.10	~ ~	-	v 4	-	~ ~	-	0 4	-
	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(10,169.62)	0 \$	-	0 \$	(867.28)	0 \$	-	0 \$	-	0 \$	-
36 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 \$		0 \$		0 \$	(1,447.34)	0 \$	2.07	0 \$	-	0 \$	
39 40	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$		0 \$	-	0 \$	92,158.88	0 \$	-	0 \$	
	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$	39,143.69	0 \$	-	0 \$	3,338.96	0 \$		0 \$	
41	SUBTOTAL RNU & Misc Charges		0 \$	(27,142.83)	0 \$	39,168.92	0 \$	(2,314.62)	0 \$	95,499.91	0 \$	-	0 \$	-
42	RT Misc Amount	555.25	0 \$	(0.04)	0 \$	879.04	0 \$		0 \$		0 \$		0 \$	
42 43	RT Net Inadvertent Amount	555.25	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 3	
43 44	RT Revenue Neutrality Uplift Amount	555.28	0\$		0 \$		0 \$	(13,734.91)	0 \$	2,167.64	0 \$	-	0 3	
45	RT Uninstructed Deviation Amount	555.31	0\$		0\$		0\$	-	0 \$	-	0\$	-	0 \$	
46	RT Demand Response Allocation Uplift Amount	555.59	0\$		0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$		0 \$	1,999.75	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48 49	RT Ramp Product	555.64	0 \$		0 \$		0\$	-	0 \$	-	0\$	-	0 \$	
	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(22,369.23)	0 \$	18.69	0 \$	-	0 \$	-	0 \$	-	0 \$	
50	SUBTOTAL		0 \$	(198,651.79)	0 \$	46,065.33	0 \$	(13,734.91)	0 \$	2,167.64	0 \$	-	0 \$	-
	ASM Charges		(57.000) 0	(1 000 070 5 *	44.005	001 077 55	(1.001)	(00.004.67)	10.100	500 700				
51 52	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.55 555.56	(57,800) \$ (5) \$	(1,889,072.34) (6,034.21)	11,820 \$ 289 \$	361,877.59 118.20	(1,681) \$ 0 \$	(62,881.67)	16,493 \$ 3 \$	533,703.52 50.30	0 \$ 0 \$	-	0 \$	
53	SUBTOTAL	000.00	(57 805) \$	(1,895,106.55)	12,110 \$		(1,681) \$	(62,881.67)	16,496 \$	533,753.82	0 \$		0 3	
50	OUD I VIRE		(01,000) \$	(1,000,100.00)	12,110 \$	001,000.10	(1,501) \$	(02,001.07)	10, 1 00 Ş	000,100.02	1 V P	-	U Z	

				Detail of MISO	ail Power Company Day 2 Charges - Sys ncludes any adjustm								
	(A	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Charge Type Description Ac	t MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET E Cost	BASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0001		noronao		0000		noronao		0000		novenue
54	DA Congestion Rebate on COGA 555.	15 ()\$-	0	\$-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA 555.) \$ -	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA 555.	2 0)\$ -	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA 555.)\$-	0		0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	0	- \$	0	\$-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	TOTAL MISO DAY 2 CHARGES	(535,175) \$ (25,374,184.98)	434,963		(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)	\$ 23,415,577.42								
	Retail MWh include losses of 2.8%			\$ (1,073,307.43)									
07													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRA	NSACTIONS								1			
68	NET MISO (Rev-Cost and MWh)							\$	1,591,067.30			\$	-
69	Less: Fuel Cost							38,887 \$	1,131,522.41	1			
70	Less: Misc Cost Adjustment							\$	-	1		\$	-
71	Plus: Capacity Revenue									1		\$	-
72	Plus: Bilateral Sales									1		\$	-
73	Less: Bilateral Purchases									1		\$	-
74	Less: Schedule 24 for Asset Based Sales							\$	535.00	1		\$	-
75													
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							\$	459,009.89	+		\$	-
										1			
										1			

					Otter Tail	Power Company								
					Detail of MISO D	ay 2 Charges - Syst								
					September 2023 II	ncludes any adjustn	nents							
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE	TAIL MWh	Revenue	MWh	ASSET BASED Cost	WHOLESALE MWh	Revenue	MWh	NON ASSET BA Cost	SED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy	Acci	WIVVII	COSt	IVIVVII	Revenue	WWWII	COSI		Revenue	IVIVVII	COSI	WIVVII	Revenue
1	DA Asset Energy Amount	555.02	(416,827) \$	(15,252,396.38)	326,968 \$		0 \$	-	16,610 \$	609,873.06	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		3,876 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3 4	RT Asset Energy Amount RT Non-Asset Energy Amount	555.19 555.26	(11,253) \$ (4) \$		28,312 \$ 0 \$	918,150.80	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-
4	SUBTOTAL	555.26	(428.084) \$		359.156 \$	13.222.997.34	0 \$		16.610 \$	609.873.06	0 \$		0 \$	
	Day Ahead & Real Time Energy Loss		(120,001) \$	(10,100,002.00)	0001100 \$	10,222,001104			10,010 \$	000,070.000	, ,		Ŭ Ŷ	
6	DA FBT Loss Amount	555.04	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		0 \$	228,125.38	0 \$	-	0 \$	-	0 \$	-	0 \$	-
8 9	RT FBT Loss Amount DA Loss Amount	555.21	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
9 10	RT Loss Amount		0\$		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 14	DA Virtual Energy Amount	555.12 555.32	0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
14	RT Virtual Energy Amount SUBTOTAL	000.32	0 \$		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
	Schedules 16 & 17		- •				· · ·		- +		· · ·		- •	
16	DA Mkt Admin Amount	555.01	0 \$		0 \$		0 \$	(1,217.79)	0\$	-	0 \$	-	0\$	-
17	RT Mkt Admin Amount	555.18	0 \$		0 \$	237.98	0 \$	(1,351.44)	0 \$	-	0 \$	-	0 \$	-
18 19	FTR Mkt Admin Amount SUBTOTAL	555.13	0 \$		0 \$ 0 \$	- 237.98	0 \$ 0 \$	(2,569.23)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
19	Congestion & FTRs		0 \$	(61,819.09)	0 \$	237.98	0 \$	(2,569.23)	U Ş		0 \$	-	U \$	-
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24 25	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	555.14 555.15	0 \$ 0 \$		0 \$	4,182,699.72 25.400.35	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Yearly Allocation Amount	555.17	0\$		0\$	25,400.35	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 \$		0 \$	25,979.62	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	4,208,246.37	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31 32	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	555.38 555.40	0 \$ 0 \$		0 \$ 0 \$	12,343.90	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			(0)										
36 37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10 555.11	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	(475.59)	0 \$ 0 \$	- 3.621.00	0 \$ 0 \$	-	0 \$ 0 \$	-
37	REVENUE Sufficiency Guarantee Make whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.11 555.29	0 \$		0\$		0 \$	- (561.31)	0 \$	3,621.00	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 \$	-
42	RNU & Misc Charges RT Misc Amount	555.25	0 \$	(2,160.41)	0 \$	85.417.49	0 \$		0 \$		0 *		0 \$	
42 43	RT Misc Amount RT Net Inadvertent Amount	555.25 555.27	0 \$		0\$	9,632.63	0 \$	-	0 \$	-	0 \$ 0 \$	-	0\$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0\$		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 \$		0 \$	1.91	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0\$		0 \$	5,913.34	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48 49	RT Ramp Product RT Schedule 49 Cost Distribution Amount	555.64 555.65	0\$	(369.25) (20,011.16)	0 \$ 0 \$	1,111.19 8.22	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-
49 50	SUBTOTAL	555.05	0 \$		0 \$		0 \$	(12,870.60)	0 \$	182.57	0 \$	-	0 \$	-
	ASM Charges			, , ,				, ,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
51	RT ASM Non-Excessive Energy Amount	555.55	(54,755) \$		9,268 \$	235,032.67	(1,774) \$	(38,629.67)	15,160 \$	516,574.22	0 \$	-	0 \$	-
52 53	RT ASM Excessive Energy Amount SUBTOTAL	555.56	0 \$ (54,755) \$	(493.54)	317 \$ 9.585 \$	74.64	0 \$ (1,774) \$	(38,629.67)	31 \$ 15.191 \$	230.70	0 \$	-	0 \$	-
53	SUBIUTAL		(54,/55) \$	(1,463,029.66)	9,585 \$	235,107.31	(1,//4) \$	(38,629.67)	15,191 \$	516,804.92	0 \$	-	0 \$	

				Detail of MISO	il Power Company Day 2 Charges - Sys includes any adjust								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET E Cost	BASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0031		Revenue		0031		Revenue		0031		Revenue
54	DA Congestion Rebate on COGA 555.0	0	\$-	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA 555.0		s -	0		0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA 555.2	0	\$-	0 1	\$-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA 555.2	0	\$ -	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	0	ş -	0 :	\$-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	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													
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)	\$ 20,389,723.73								
	Retail MWh include losses of 2.8%			\$ (1,942,104.03)									
07	Include losses of 2.0 /6												
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRAN	SACTIONS											
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							\$	421.33			\$	-
75										+			
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							Ş	268,624.33			\$	-

					Otter Tail	Power Company								
						ay 2 Charges - Sys cludes any adjustm								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE	TAIL MWh	Revenue	MWh	ASSET BASED Cost	WHOLESALE MWh	Revenue	MWh	NON ASSET B. Cost	ASED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy	ACCI	WIVVII	COST	IVIVVII	Revenue	IVIVVII	0031		Revenue	WIVVII	0031	WIVVII	Revenue
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 3	DA Non-asset Energy Amount	555.09	0 \$		4,113 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
	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 Dav Ahead & Real Time Energy Loss		(495,831) \$	(20,249,097.46)	301,655 \$	11,743,494.30	0 \$	-	3,724 \$	128,747.68	0 \$	-	0 \$	-
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		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 12	DA Losses Rebate on Option B GFA	555.08	0 \$	(553.814.94)	0 \$ 0 \$	232.144.10	0 \$		0 \$	-	0 \$		0 \$	-
12	SUBTOTAL Virtual Energy		0\$	(553,614.94)	0 \$	232,144.10	0 \$	-	0\$	-	0 \$	-	0 \$	-
13	DA Virtual Energy Amount	555.12	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
13 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 \$		0 \$		0 \$	(361.81)	0 \$		0 \$	-	0 \$	-
17 18	RT Mkt Admin Amount	555.18 555.13	0 \$		0 \$	415.57	0 \$	(2,745.26)	0 \$	1.74	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount SUBTOTAL	555.13	0 \$ 0 \$		0 \$ 0 \$	415.57	0 \$	(3,107.07)	0 \$	- 1.74	0 \$ 0 \$	-	0 \$	
13	Congestion & FTRs		ų 4	(04,550.75)	0 \$	415.57	0 4	(3,107.07)	U Ş	1.74	- U 4		υψ	-
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		555.20	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$		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 27	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	555.17 555.35	0 \$ 0 \$		0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0\$		0\$	475.525.79	0 \$	-	0 \$		0\$	-	0\$	-
29	FTR Guarantee Uplift Amount	555.37	0\$		0 \$	49,420.64	0\$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		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 33 34	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		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 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(5,432,994.14)	0 \$ 0 \$	- 11,142,788.99	0 \$		0 \$	-	0 \$		0 \$	
30	RSG & Make Whole Payments		U \$	(3,432,334.14)	U \$	11,142,/00.33	U \$	-	υş	-	U \$	-	U \$	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(7,845.04)	0 \$	-	0 \$	(561.46)	0 \$	-	0 \$	-	0 \$	-
36 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 \$		0 \$	8.55	0 \$	(1,135.65)	0 \$	0.58	0 \$	-	0 \$	-
38 39 40	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0 \$		0 \$	-	0 \$	12,824.06	0 \$	-	0 \$	-
40 41	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(137,965.32) (161.678.69)	0 \$	56,039.99 56.054.96	0 \$ 0 \$	(9,877.52) (11.574.63)	0 \$ 0 \$	4,012.23 16.836.87	0 \$ 0 \$	· ·	0 \$	· ·
	SUBTOTAL RNU & Misc Charges		U \$	(101,070.09)	0 \$	56,054.96	U \$	(11,574.63)	υş	10,030.87	0 \$	-	U \$	-
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 \$		0 \$	8,301.42	0 \$	-	0\$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		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 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$	2,903.10	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47 48	DA Ramp Product RT Ramp Product	555.63 555.64	0 \$ 0 \$		0 \$ 0 \$	4,505.36 945.30	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
48 49	RT Schedule 49 Cost Distribution Amount	555.65 555.65	0 \$	(1,563.30) (20,190.65)	0\$	945.30	0 \$	-	0 \$		0 \$		0 \$	-
49 50	SUBTOTAL	533.03	0 \$		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 \$	-

				Detail of MISO	il Power Company Day 2 Charges - Sys ncludes any adjustm								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost R	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET B Cost	ASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0031		Revenue		0031		Revenue		0031		Revenue
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 \$	-
	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													
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)	\$ 23,510,500.17								
	Retail MWh include losses of 2.8%			\$ (0,004,000.00)									
07													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANS	ACTIONS			1	1				1			
68	NET MISO (Rev-Cost and MWh)							\$	978,176.88			\$	-
69	Less: Fuel Cost							31,542 \$	717,981.57	1			
70	Less: Misc Cost Adjustment							\$	(162.97)	1		\$	-
71	Plus: Capacity Revenue									1		\$	-
72	Plus: Bilateral Sales									1		\$	-
73	Less: Bilateral Purchases									1		\$	-
74	Less: Schedule 24 for Asset Based Sales							\$	454.55	1		\$	-
75 76	TOTAL ASSET or NON ASSET BASED WHOLESALE					+			259.903.73				
76	TOTAL ASSET OF NON ASSET BASED WHOLESALE					+		\$	259,903.73	+		\$	-
1										1			
										1			

					Otter Tail	Power Company								
					Detail of MISO D	Day 2 Charges - Sys Includes any adjustr								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE	TAIL MWh	Revenue	MWh	ASSET BASED Cost	WHOLESALE MWh	Revenue	MWh	NON ASSET BA Cost	SED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy	ACCI	WIVVII	COSL	IVIVVII	Revenue	WIVVII	0031	WIVVII	Revenue	WIVVII	COSL	WIVVII	Revenue
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 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount	555.26	0 \$	-	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	
5	SUBTOTAL Day Ahead & Real Time Energy Loss		(543,218) \$	(23,543,909.70)	388,245 \$	17,019,675.48	0 \$	-	9,210 \$	371,410.66	0 \$	-	0 \$	-
	DA FBT Loss Amount	555.04	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
6 7	RT Distribution of Losses Amount	555.24	0 \$		0 \$		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 Virtual Energy		0 \$	(835,366.43)	0 \$	233,792.83	0 \$		0 \$	-	0 \$	-	0 \$	
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 \$		0 \$		0 \$	(811.56)	0 \$	-	0 \$	-	0 \$	-
17 18	RT Mkt Admin Amount FTR Mkt Admin Amount	555.18 555.13	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	(2,090.39)	0 \$ 0 \$	348.24	0 \$ 0 \$	-	0 \$ 0 \$	-
18	SUBTOTAL	555.13	0 \$		0 \$		0 \$	(2,901.95)	0 \$	348.24			0 \$	
	Congestion & FTRs			(00,011100)	• •		• •	(2,001100)	• •	010.21			• •	
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24 25	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	555.14 555.15	0 \$ 0 \$		0 \$	9,149,860.17 160.668.69	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25 26	FTR Yearly Allocation Amount	555.15	0 \$		0 \$	160,668.69	0 \$		0 \$	-	0 \$	-	0\$	-
20	FTR Monthly Transaction Amount	555.35	0\$		0\$	-	0 \$		0 \$	_	0 \$	-	0\$	
28	FTR Full Funding Guarantee Amount	555.36	0\$		0 \$	641,981.25	0\$		0 \$	-	0 \$	-	0 \$	
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$	146,477.84	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$	12,343.90	0 \$	-	0\$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32 33 34	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$ 0 \$	-	0 \$ 0 \$	186,288.62	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
34	SUBTOTAL	555.07	0 \$	(5,814,137.49)	0 \$	9,895,932.46	0 \$	-	0 \$	-	0 \$		0 \$	-
	RSG & Make Whole Payments		- •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• •	.,	- •		- •				- •	
36 37	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$		0 \$		0 \$	(442.23)	0\$	-	0 \$	-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$		0 \$	-	0\$	1,766.05	0 \$	-	0 \$	-
38 39	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0 \$	78.87	0 \$	(291.78)	0 \$	4.20	0 \$	-	0 \$	-
39 40	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	555.30 555.42	0 \$ 0 \$	- (22.85)	0 \$ 0 \$	- 115.754.36	0 \$ 0 \$	(21.86) (1.18)	0 \$ 0 \$	340.34 6.257.22	0 \$ 0 \$	-	0 \$ 0 \$	-
40	SUBTOTAL	555.42	0 \$	(13.611.87)	0 \$		0 \$	(1.18)	0 \$	6,257.22 8,367.81			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 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$	52,336.26	0 \$	(18,022.75)	0 \$	2,828.86	0 \$	-	0 \$	-
45 46	RT Uninstructed Deviation Amount	555.31 555.59	0 \$		0 \$	- 272.91	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount DA Ramp Product	555.59 555.63	0 \$ 0 \$		0 \$ 0 \$	272.91 13.466.05	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
47	RT Ramp Product	555.64	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0\$	-
40	RT Schedule 49 Cost Distribution Amount	555.65	0\$	(21,549.58)	0\$	-	0\$	-	0 \$	-	0\$	-	0\$	-
50	SUBTOTAL		0\$		Ŭ \$	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) \$		23,900 \$	463,087.45	(3,998) \$	(137,419.56)	17,913 \$	609,574.67	0 \$	-	0 \$	-
52 53	RT ASM Excessive Energy Amount SUBTOTAL	555.56	(71) \$	(1,203.26)	<u>314 \$</u> 24,214 \$	1,227.08 464,314.53	(86) \$ (4,083) \$	(3,232.87)	114 \$ 18,027 \$	2,798.03 612,372.70	0 \$	-	0 \$ 0 \$	-
53	JUDIVIAL		(00,335) \$	(2,099,003.77)	24,214 \$	404,314.03	(4,083) \$	(140,052.43)	10,021 \$	012,3/2./0	U \$	-	υ \$	

				Detail of MISO	il Power Company Day 2 Charges - Sys includes any adjustr								
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET B Cost	ASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types		0031		Revenue		0031		Revenue		0031		Revenue
54	DA Congestion Rebate on COGA 555.05	0	\$-	0 5	s -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA 555.06		\$ -	0 5		0 \$	-	0 Š	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA 555.22	0	\$ -	0 9	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA 555.23	0	\$ -	0 5	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	0	ş -	0 9	\$-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	TOTAL MISO DAY 2 CHARGES	(603,553) \$ (32,760,476.53)	412,460	\$ 27,825,453.24	(4,083) \$	(162,334.18)	27,237 \$	995,328.27	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$ (86,944.30)	\$	\$ 921.74								
61	Congestion and Losses Adjustment		\$ 25,886.42										
62 63	No DA generation sch., but still had output for current month		۶ -										
64													
65	Total for MN Energy Adjustment Rider		\$ (32,699,418.65)		\$ 27.824.531.50								
66	Net Retail for MN Energy Adjustment Rider			\$ (4,874,887.15)	\$ 21,024,001.00								
	Retail MWh include losses of 2.8%			• (4,014,001.10)									
0.													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRAN	SACTIONS											
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				
10	IVIAL AGGET OF NUN AGGET BAGED WHULEGALE					+		\$	210,002.67	1		\$	-
1													

					Otter Tail	Power Company								
						ay 2 Charges - System Cludes any adjustn								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE	TAIL MWh	Revenue	MWh	ASSET BASED Cost	WHOLESALE MWh	Revenue	MWh	NON ASSET B/ Cost	ASED WHOLESALI MWh	Revenue
No.	Day Ahead & Real Time Energy	Acci	WIVVII	COST	WINNI	Revenue		COST		Revenue	WWWII	0031		Revenue
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 3	DA Non-asset Energy Amount	555.09	0 \$	-	5,149 \$		0 \$	-	0\$	-	0 \$	-	0	
	RT Asset Energy Amount	555.19	(12,076) \$		26,364 \$	745,211.93	0 \$	-	0 \$	-	0 \$	-	0	
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	(2) \$	(107.40) (16.749.000.53)	0 \$	- 11.482.987.36	0 \$	-	0 \$ 9.950 \$	- 366.641.82	0 \$	-	0 5	
5	Day Ahead & Real Time Energy Loss		(609,051) \$	(16,749,000.53)	410,813 \$	11,482,987.36	0 \$	-	9,950 \$	366,641.82	0 \$	-	0 5	-
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	6 -
7	RT Distribution of Losses Amount	555.24	0 \$		0 \$	359,886.14	0 \$	-	0 \$	-	0 \$	-	0 5	
8	RT FBT Loss Amount	555.21	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	- 5
9	DA Loss Amount		0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 5	
10	RT Loss Amount		0 \$	(104,906.31)	0 \$	-	0\$	-	0\$	-	0 \$	-	0 3	
11 12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$	(932,903.75)	0 \$ 0 \$	359,886.14	0 \$		0 \$	-	0 \$ 0 \$		0	
	SUBTOTAL Virtual Energy		U \$	(332,303.75)	0 \$	339,000.14	U \$	-	υş	-	0 \$	-	0 :	-
	DA Virtual Energy Amount	555.12	0 \$		0 \$	-	0 \$		0 \$	-	0 \$		0 5	6 -
13 14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	- 5
15	SUBTOTAL		0 \$	-	0\$	-	0\$	-	0\$	-	0 \$	-	Ő	
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$		0 \$	-	0 \$	(831.29)	0\$	-	0 \$	-	0 3	
17	RT Mkt Admin Amount	555.18	0 \$		0 \$	1,139.45	0 \$	(2,260.77)	0 \$	78.07	0 \$	-	0	
18 19	FTR Mkt Admin Amount SUBTOTAL	555.13	0 \$		0 \$ 0 \$	- 1.139.45	0 \$ 0 \$	(3,092.06)	0 \$	- 78.07	0 \$		0	
	Congestion & FTRs		0 \$	(93,346.33)	U ֆ	1,139.45	0 \$	(3,092.06)	0 \$	70.07	0 \$	-	0.	- •
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 3	6 -
21	DA Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 5	
22	RT FBT Congestion Amount	555.20	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 5	
22 23 24	RT Congestion		0\$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 5	,
24	FTR Hourly Allocation Amount	555.14	0 \$		0 \$	3,474,258.64	0 \$	-	0 \$	-	0 \$	-	0 5	
25 26	FTR Monthly Allocation Amount	555.15	0 \$		0 \$	102,469.23	0 \$	-	0 \$	-	0 \$	-	0	
26 27	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	555.17 555.35	0 \$ 0 \$		0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 5	
27	FTR Full Funding Guarantee Amount	555.36	0 \$		0\$	261.930.97	0 \$	-	0 \$	-	0 \$	-	0	,
29	FTR Guarantee Uplift Amount	555.37	0\$		0\$	126,949,18	0 \$	-	0 \$	-	0\$	-	0 5	
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	3,622,423.33	0 \$	-	0 \$	-	0 \$	-	0 5	-
31	FTR Annual Transaction Amount	555.38	0 \$	(3,325,124.23)	0 \$	2,403.66	0 \$	-	0 \$	-	0 \$	-	0 5	6 -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 5	
33 34	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	207,942.13	0 \$	-	0\$	-	0 \$	-	0 3	·
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(4,131,843.67)	0 \$ 0 \$	6,129,482.24	0 \$ 0 \$	<u> </u>	0 \$ 0 \$	<u>.</u>	0 \$ 0 \$	<u> </u>	0	
	RSG & Make Whole Payments		U \$	(4,131,043.07)	υ \$	0,123,402.24	U \$	-	υ\$	-	U \$	-	U :	-
	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(12,842.03)	0 \$	-	0 \$	(755.25)	0 \$	-	0 \$		0 5	6 -
36 37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0\$	376.06	0\$	(700:20)	0\$	1,524.16	0\$	-	0 5	
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0 \$	45.11	0 \$	(788.60)	0 \$	2.54	0 \$	-	0 5	
39 40	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 SUBTOTAL	555.42	0 \$	(26,253.94)	0 \$	56,439.87	0 \$	(1,543.85)	0 \$	3,320.08 25,710.03	0 \$	-	0	
	SUBTOTAL RNU & Misc Charges		0 \$	(20,253.94)	0 \$	56,861.04	0 \$	(1,543.85)	0 \$	25,/10.03	0 \$	-	U	-
42	RNO & Misc Charges RT Misc Amount	555.25	0 \$	(2,026.83)	0 \$	2,665.03	0 \$	-	0 \$	-	0 \$	-	0 5	6 -
43	RT Net Inadvertent Amount	555.27	0\$		0\$		0\$	-	0\$	-	0\$	-	0 5	
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 5	P
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$	64.09	0 \$	-	0 \$	-	0 \$	-	0 5	·
47	DA Ramp Product	555.63	0 \$		0 \$	3,906.81	0 \$	-	0 \$	-	0 \$	-	0 5	
48 49	RT Ramp Product	555.64 555.65	0 \$	(727.09) (25.385.56)	0 \$	840.00	0 \$	-	0 \$	-	0 \$	-	0	
49	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$		0 \$	51.628.68	0 \$ 0 \$	(9,397.89)	0 \$ 0 \$	- 1.622.59	0 \$		0	
	ASM Charges		. v v	(107,400.00)	υ φ	01,020.00	~ ~	(0,007.00)	γų	1,022.00	v 4	-	0,	
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 3	- 6
52	RT ASM Excessive Energy Amount	555.56	(80) \$	(2,096.47)	127 \$	243.16	0 \$	(55.19)	4 \$	5.51	0 \$	-	0 5	
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 9	- 6
					Detail of MISO D	Power Company Day 2 Charges - Sys ncludes any adjustr								
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		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost	TAIL	Revenue	MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	NON ASSET BA	ASED WHOLESALE MWh	Revenue
	Grandfathered Charge Types	71001		0000		novolido		0001		liovonuo		0001		literenide
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$		0 9	· -
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 9	-
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 9	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 9	-
58	SUBTOTAL		0\$	-	0 \$	-	0 \$		0\$	-	0 \$	-	0 \$; -
	TOTAL MISO DAY 2 CHARGES		(664,617) \$	(23,383,493.02)	444,434 \$		(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														
				(00.000.005.00)		40.470.000.04								
65 66	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider		\$	(23,068,435.90)		18,472,922.21								
	Retail MWh include losses of 2.8%			3	6 (4,595,513.69)									
67	Retail Wivh Include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED	TRANSAC	TIONS							1				
68	NET MISO (Rev-Cost and MWh)								S	1,027,621.11			9	i -
69	Less: Fuel Cost								27,959 \$	779,354.90				
70	Less: Misc Cost Adjustment								\$	510.77			5	; -
71	Plus: Capacity Revenue						1						9	; -
72	Plus: Bilateral Sales												\$. -
73	Less: Bilateral Purchases												\$; -
74	Less: Schedule 24 for Asset Based Sales								\$	448.76			\$; -
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	247,306.68			9	-
											I			

j					Otter Tail Po	wer Company								1
					Detail of MISO Day	2 Charges - System								
				۲	ear to Date 2023 inc	ludes any adjustme	nts							
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		(1)	(0)					ASSET BASED			(3)	NON ASSET BA		
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02 555.09		(188,217,184.92)		123,831,389.97 1,972,091.58	0 \$ 0 \$	-	123,634 \$		0 9		0 5	
2	DA Non-asset Energy Amount RT Asset Energy Amount	555.19	0 \$ (258,372) \$			8,865,373.54	0 \$	-	0 \$		0 3		0	
4	RT Non-Asset Energy Amount	555.26	(230,372) \$		211,201 3		0\$	-	0 \$	-	0 9		0 5	
5	SUBTOTAL			(193,181,875.10)		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 8	RT Distribution of Losses Amount RT FBT Loss Amount	555.24 555.21	0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 9		0 \$	
9	DA Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 3	•	0 3	
10	RT Loss Amount		0\$		0 \$		0\$	-	0\$	-	0 9	•	0 5	
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 14	DA Virtual Energy Amount	555.12	0 \$	-	0 \$		0 \$	-	0\$	-	0 \$		0 \$	
14	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$		<u> </u>		0 \$ 0 \$		0 \$	-	0 9		0 5	
	Schedules 16 & 17			-	U 4	-	ψ	-	υφ				5,	
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 \$		0 \$	8,346.54	0 \$	(23,605.82)	0 \$	461.41	0 \$	-	0 \$	- 6
18	FTR Mkt Admin Amount	555.13	0\$		0 \$		0 \$	-	0 \$		0 \$		0 \$	
19	SUBTOTAL		0 \$	(935,294.29)	0 \$	8,346.54	0 \$	(33,796.93)	0\$	461.41	0 \$	-	0 \$	· -
20	Congestion & FTRs DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
20	DA Congestion	555.05	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	
22	RT FBT Congestion Amount	555.20	0\$		0\$		0 \$		0\$	-	0 \$		0 5	
23	RT Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	- 3
24	FTR Hourly Allocation Amount	555.14	0 \$		0 \$		0 \$	-	0\$	-	0\$	-	0 \$	
25	FTR Monthly Allocation Amount	555.15	0 \$	(2,443.76)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
26	FTR Yearly Allocation Amount	555.17	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	
27 28	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	555.35 555.36	0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	
20	FTR Guarantee Uplift Amount	555.37	0 \$	(3.086.493.86)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 3	
30	FTR Auction Revenue Rights Transaction Amount	555.39	0\$	(-,,	0\$		0 \$		0\$	-	0 \$	-	0 5	, ,
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	- 3
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		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 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(71,999,451.14)	0 \$ 0 \$	94,235,108.77	0 \$		0 \$		0 \$		0 9	
33	RSG & Make Whole Payments		U \$	(11,999,401.14)	0 \$	34,233,100.77	U \$	-	υş	-		-	0 3	, -
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 9	; -	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0\$		0\$		0\$		0\$	20,277.73	0 9		0 5	
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(141,922.59)	0 \$		0 \$	(8,985.27)	0\$	115.83	0 9		0 \$	
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0 \$		0 \$	(35.48)	0 \$		0 \$		0 \$	
40 41	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(138,049.04) (398.848.86)	0 \$ 0 \$		0 \$ 0 \$	(9,885.26) (25.958.89)	0 \$	42,214.09 392,803.67	0 \$		0 \$	
	SUBIOTAL RNU & Misc Charges		υş	(390,040.06)	0 \$	002,720.04	U \$	(20,900.89)	υş	392,003.67	U \$	-	0 3	-
42	RT Misc Amount	555.25	0 \$	(156,959.75)	0 \$	147,010.69	0 \$	-	0 \$	-	0 \$	-	0 \$; <u>-</u>
43	RT Net Inadvertent Amount	555.27	0\$		0\$		0\$	-	0\$	-	0 \$		0 5	
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 \$	- 1	0 \$	-	0\$		0 \$	
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	
47 48	DA Ramp Product	555.63	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	
48 49	RT Ramp Product RT Schedule 49 Cost Distribution Amount	555.64 555.65	0 \$	(8,124.16) (316,222.54)	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0\$		0 \$	
49 50	SUBTOTAL	000.00	0 \$		0 3		0 \$	(129,194.30)	0 \$	23,597.41	0 \$		0 3	
	ASM Charges			, .,,				(,	- •		1			
51	RT ASM Non-Excessive Energy Amount	555.55	(609,947) \$		261,133 \$		(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 \$	i -

				Otter Tail Po Detail of MISO Day Year to Date 2023 incl	2 Charges - System								
	(A)	(B)	(C)	(D) ETAIL	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K) NON ASSET BA	(L)	(M)
	Charge Type Description Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	E Revenue
	Grandfathered Charge Types												
54	DA Congestion Rebate on COGA 555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	\$ -	0 \$	-
55	DA Losses Rebate on COGA 555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	- 5 -	0 \$	-
56	RT Congestion Rebate on COGA 555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	\$ -	0 \$	-
57	RT Loss Rebate on COGA 555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 5	s -	0 \$	-
58	SUBTOTAL	0 \$	-	0 \$	-	0 \$	-	0\$	-	0	\$ -	0 \$	-
_													
	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)	ş	(935,294.29)	\$	8,346.54								
61	Congestion and Losses Adjustment	ş	63,239.80										
62	No DA generation sch., but still had output for current month	\$	(177,346.49)										
63													
64 65	Total for MN Frances Adjustment Didan		(000 044 007 04)		238,538,093.95								
66	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider	\$	(293,344,967.04)	\$ (54,806,873.09)	238,538,093.95								
	Retail MWh include losses of 2.8%			\$ (54,806,873.09)									
07	Retail WWWI Include losses of 2.8%												
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSA	CTIONS				1				1			
68	NET MISO (Rev-Cost and MWh)					1		\$	11,501,767.83	1		s	-
69	Less: Fuel Cost					1		348,707 \$	8,985,157.28	1		•	
70	Less: Misc Cost Adjustment					1		\$	440.54	1		s	-
71	Plus: Capacity Revenue					1				1		\$	-
72	Plus: Bilateral Sales					1				1		\$	-
73	Less: Bilateral Purchases					1				1		\$	-
74	Less: Schedule 24 for Asset Based Sales					1		\$	4,975.20	1		\$	-
75													
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							\$	2,511,194.81			\$	-
										1			
						1				1			

Type Description t & Non Asset Energy & Los unt unt S S S S S S S S S S S S S S S S S S S	555.19 555.03 555.09 555.00 555.00 555.02 555.10	\$\$\$\$ \$ \$\$\$ \$ \$ \$\$ \$ \$ \$ \$ \$	562.28 562.28 2.07 2.07 2.07 2.1.16 21.16 21.16 1.79 5.32 4.51 0.46 0.46	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	(D) Retail Adjustments \$ - \$ \$ - \$ \$ 94.82 \$ \$ 94.82 \$ \$ 94.82 \$ \$ - \$ \$ 04.82 \$	657.10 657.10 (3.70) (3.70) (3.70) 21.24 21.24 21.24 1.90 5.76	(F) and (G)** Charge types with MWH for Retail - - - 26 - - 26 - - - - - - - - - - - - -	
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nt	555.20	\$	134,871.32	\$ (91,020.55)	\$ - \$	43,850.77	-	
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nt	555.26	\$	-	\$-	\$-\$	-	-	
ribution Amount	555.28	\$	-	\$-	\$-\$		-	
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tion Deployment Yearly Amou	unt 555.27					- (1.42)	-	
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(Å) (B) (C) (D) (E) (F) and (G)* Charge types with White relation DA Asset Energy Arount 555.10 2 2 5 2 5 1 DA Asset Energy Arount 555.00 5 5 5 5 1 1 DA Asset Energy Arount 555.00 5 5 5 5 1 1 Thom-Asset Energy Arount 555.00 5 5 5 5 1 1 Total. 550.00 5 7 5 5 - 1 1 C6 Make Whole Payment Distribution Amount 555.10 5 1.76 5 5 - - - Total. 5 5 5 5 - 5 -		Detail of Southwe		ool (SF		Charge Group for any adjustments	r Current Month - Sy	rstem		
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RT Revenue Neutrality Uplift Distribution Amount 555.15 \$ 3.91 - \$ 3.91 - TOTAL \$ 3.91 - \$ 3.91 - \$ 3.91 - TOTAL \$ 3.91 - \$ 3.91 - \$ 3.91 - TOTAL \$ 3.91 - \$ 3.91 - \$ 3.91 - DA Regulation-Down Distribution Amount 555.04 \$ 0.34 - \$ \$ 0.34 - Date <thdate< th=""></thdate<>				\$	1.70	φ -	<i>-</i> -	p 1.70	•	
TOTAL \$ 3.91 - \$. \$ 3.91 - her Charges -	10		555 1F	¢	2.04	¢	¢	2 01		
her Charges	10		555.15							
DA Regulation-Down Distribution Amount 555.04 \$ 0.34 \$ - \$ 0.34 - \$ 0.34 - \$ 0.34 - \$ 0.34 - \$ 0.34 - \$ 0.34 - \$ 0.34 - \$ 0.55 - \$ 0.55 - \$ 0.74				Ŷ	3.91	φ -	÷ .	¢ 3.91	•	
DA Rejulation-Up Distribution Amount 555.05 \$ 0.55 \$ - \$ 0.55 - \$ 0.74 * 0.74 * 0.74 * 0.74 * 0.74 * 0.74 * 0.74 * 0.74 * 0.74 * 0.74 * * 0.74 * * 0.74 * * 0.74 * * 0.74 * * 0.74 * * 0.74 * * 0.74 * * 0.74 <td>12</td> <td></td> <td>555.04</td> <td>¢</td> <td>0.34</td> <td>¢ _</td> <td>¢</td> <td>\$ 0.34</td> <td></td> <td></td>	12		555.04	¢	0.34	¢ _	¢	\$ 0.34		
DA Spinning Reserve Distribution Amount 555.06 \$ 0.74 \$ - \$ 0.74 - DA Supplemental Reserve Distribution Amount 555.07 \$ 0.18 \$ - \$ - \$ 0.18 - \$ \$ 0.18 - \$ - \$ - - - - RT Contingency Reserve Deployment Failure Amount 555.11 \$ 147.14 \$ (10,076.38) \$ (6,725.04) \$ (16,654.28) - - C - C - C \$ 0.012 - \$ 0.012 - S 0.011 - C S 0.011 - C S 0.012 - S 0.012 - S 0.012 - S 0.012 - S 0.012 - S 0.012 - S 0.012 - S 0.012 - S 0.012 - S 0.12 S S 0.12 S S 0.12 S S 0.12 S S <td>13</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	13									
DA Supplemental Reserve Distribution Amount 555.07 \$ 0.18 \$ - \$ \$ \$ 1000100000000000000000000000000000000	14						\$ _ !		-	
RT Contingency Reserve Deployment Failure Amount 555.08 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ 1(10,076.38) \$ (16,654.28) - \$ 0.12 - \$ RT Regulation Non-Performance Distribution Amount 555.13 \$ - \$ 0.01) \$ \$ (0.01) - \$ 0.12 - \$ 0.12 - \$ 0.101 - \$ 0.101 - \$ 0.101 - \$ 0.101 - \$ 0.101 - \$ 0.101 - \$ 0.101 - \$ 0.101 - \$ 0.101 \$ \$ 0.101 \$ \$ 0.101 \$ \$ 0.101 \$ \$ 0.101 \$ \$ 0.101 \$ \$ 0.101 \$ \$ \$ 0.101 <td>15</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td>	15								_	
RT Over-Čollected Losses Distribution Amount 555.11 \$ 147.14 \$ (10,076.38) \$ (16,654.28) - RT Regulation-Down Distribution Amount 555.12 \$ 0.12 - \$ 0.01) 10.10000000000000000000000000000000000	16								-	
RT Regulation-Down Distribution Amount 555.12 \$ 0.12 \$ - \$ 0.12 - RT Regulation Non-Performance Distribution Amount 555.13 \$ - \$ (0.01) \$ - \$ (0.01) - RT Regulation-Up Distribution Amount 555.14 \$ - \$ (0.13) - \$ (0.13) - RT Supplemental Reserve Distribution Amount 555.16 \$ - \$ - \$ - \$ - - - RT Supplemental Reserve Distribution Amount 555.17 \$ - \$ - \$ - \$ -	17									
RT Regulation Non-Performance Distribution Amount 555.13 \$ - \$ (0.01) \$ - \$ (0.01) - RT Regulation-Up Distribution Amount 555.14 \$ - \$ (0.13) \$ - \$ (0.13) - \$ (0.13) - \$ - C	18									
RT Regulation-Up Distribution Amount 555.14 \$ - \$ (0.13) \$ - \$ (0.13) - \$ RT Spinning Reserve Distribution Amount 555.16 \$ - \$ >	19								-	
RT Spinning Reserve Distribution Amount 555.16 \$ -	20								-	
RT Supplemental Reserve Distribution Amount 555.17 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ RT Pseudo Tie Congestion Amount 555.20 \$ (109,439,01) \$ - \$ (80,788.31) - \$ Interval Amount - \$ (10,528.2) - \$ Interval Amount \$ (10,528.2) - \$ - \$ Interval Amount \$ (10,528.2) - \$ - \$ Interval Amount \$ 10,528.20 - \$ - \$ Interval Amount \$ 10,528.20 - \$ - \$ Interval Amount \$ - \$	21			Š					-	
RT Pseudo Tie Congestion Amount 555.20 \$ 28,650.70 \$ (10,439.01) \$ - \$ (80,788.31) - RT Pseudo Tie Loss Amount 555.21 \$ 4,115.95 \$ (14,644.47) \$ - \$ \$ - \$ \$ - \$ \$ - \$ \$ - \$ - \$ - \$ - \$ - \$ -	22								-	
RT Pseudo Tie Loss Amount 555.21 \$ 4,115.95 \$ (14,644.47) \$ - \$ - Miscellaneous Amount 555.23 \$ - \$ \$ - \$ \$ - \$ \$ - \$ <td>23</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>	23								-	
ARR Closeout Yearly Amount 555.26 \$ - \$ - \$ -	24						\$ - :	\$ (10,528.52)	-	
RT Demand Reduction Distribution Amount 555.28 \$ - \$ - \$ - - - RT Schedule 1A3 Amount 555.30 \$ 0.32 \$ - \$ 0.32 - - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 - \$ 0.32 \$ - \$ 0.32	25	Miscellaneous Amount		\$				5 -	-	
RT Schedule 1A3 Amount 555.29 \$ 0.32 \$ - \$ 0.32 - RT Schedule 1A4 Amount 555.30 \$ 1.38 - \$ - \$ 1.38 - DA Ramp Down Distribution Amount 555.31 \$ - \$ - \$ - - DA Ramp Down Distribution Amount 555.32 \$ - \$ - \$ - - RT Ramp Non Performance Distribution Amount 555.33 \$ - \$ - \$ - - RT Ramp Up Distribution Amount 555.35 \$ - \$ - \$ - - - RT Ramp Down Distribution Amount 555.35 \$ - \$ - \$ - <td< td=""><td>26</td><td>ARR Closeout Yearly Amount</td><td>555.26</td><td>\$</td><td>-</td><td>\$ -</td><td>\$ - :</td><td>- \$</td><td>-</td><td></td></td<>	26	ARR Closeout Yearly Amount	555.26	\$	-	\$ -	\$ - :	- \$	-	
RT Schedule 144 Amount 555.30 \$ 1.38 \$ - \$ 1.38 - DA Ramp Up Distribution Amount 555.31 \$ - \$ - \$ - - - DA Ramp Down Distribution Amount 555.32 \$ - \$ - \$ - - - RT Ramp Non Performance Distribution Amount 555.33 \$ - \$ - \$ - - - RT Ramp Non Performance Distribution Amount 555.35 \$ - \$ - \$ -	27	RT Demand Reduction Distribution Amount	555.28	\$	-	\$-	\$ - :	\$-	-	
DA Ramp Up Distribution Amount 555.31 \$ - \$ - \$ - - - DA Ramp Down Distribution Amount 555.32 \$ - \$ - \$ - - - RT Ramp Nown Performance Distribution Amount 555.33 \$ - \$ - \$ - - - RT Ramp Down Distribution Amount 555.35 \$ - \$ - \$ - - - RT Ramp Down Distribution Amount 555.35 \$ - \$ - \$ - <t< td=""><td>28</td><td>RT Schedule 1A3 Amount</td><td>555.29</td><td>\$</td><td></td><td></td><td></td><td>\$ 0.32</td><td>-</td><td></td></t<>	28	RT Schedule 1A3 Amount	555.29	\$				\$ 0.32	-	
DA Ramp Down Distribution Amount 555.32 \$ - \$	29			\$					-	
RT Ramp Non Performance Distribution Amount 555.33 \$ - \$ \$ - \$ \$ - \$ \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	30			\$					-	
RT Ramp Up Distribution Amount 555.35 \$ - \$ - \$ -	31								-	
RT Ramp Down Distribution Amount 555.35 \$ - \$ - \$ -	32			-					-	
TOTAL \$ 32,917.42 \$ (134,160.00) \$ (6,725.04) \$ (107,967.62) - andfathered Charge Types - \$ (1.43) - \$ (1.43) - \$ (1.43) - - > - > DA GFA Carve Out Distribution Deployment Monthly Amount 555.22 \$ - \$ (0.09) \$ - \$ (0.09) - DA GFA Carve Out Distribution Deployment Yearly Amount 555.27 \$ - \$ - \$ (0.09) - \$ (0.09) - DA GFA Carve Out Distribution Deployment Yearly Amount 555.27 \$ -<	33			-					-	
andfathered Charge Types	34		555.35	Ψ		Ψ			-	
DA GFA Carve Out Distribution Deployment Daily Amount 555.01 \$	35			\$	32,917.42	\$ (134,160.00)	\$ (6,725.04)	\$ (107,967.62)	•	
DA GFA Carve Out Distribution Deployment Monthly Amount 555.22 \$ - \$ (0.09) > \$ >				_		^ (1.10)		• (1.10)		
DA GFA Carve Out Distribution Deployment Yearly Amount 555.27 \$ - \$ - \$ - 5 - 5 - 5 - 5 - 5 - 5 - 5 -									-	
									-	
IVIAL 3 - 3 (1.52) -			555.27	Ŷ					-	
				Ť						
TOTAL SPP CHARGES \$ 33,102.63 \$ (134,161.52) \$ (6,725.04) \$ (107,783.93)	36 37 38 39 40	DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL	555.22	\$ \$	-	\$ (0.09) \$ - \$ (1.52)	\$ - \$ - \$ -	6 (0.09) 6 - 6 (1.52))	-
** (F) and (G) increased for losses of 2.8%	3	January 2023 covers time period of 12/27/2022 01/22/2023				Net SPP KWH				
January 2023 covers time period of 12/27/2022 01/22/2023 Net Retail Net SPP KWH	14					11,000				
January 2023 covers time period of 12/27/2022 01/22/2023 Net Retail Net SPP KWH SPP Book Totals \$ (101,058.89) 11,000	45					-				
January 2023 covers time period of 12/27/2022 01/22/2023 Net Retail Net SPP KWH	46									

	Detail of Southwe		ool (S		Charge Group fo ny adjustments	r Current Month - Sy	rstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
10.	Day Ahead & Real Time Asset & Non Asset Energy & Loss				•	•			
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ - 5	-	-	-
2	DA Non-asset Energy Amount	555.03	\$		\$ -	\$		-	-
3	RT Asset Energy Amount	555.09	\$		\$ -	\$ 43.00	43.00	-	-
4 5	RT Non-Asset Energy Amount	555.00	\$		<u>-</u>	\$ - 9	<u> </u>	-	
	RSG & Make Whole Payments		\$	· ·	\$-	\$ 43.00	43.00	· ·	_
		555.02	\$		\$ -	\$ - 9	•		
6 7	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	555.02 555.10	ծ Տ		» - Տ -	\$ - : \$ 0.15	6 - 6 0.15	-	
/ 8	RT Revenue Sufficiency Guarantee Distribution Amount	555.10	э 5		ъ - \$-	\$ 0.15 \$ - 9	0.15	-	
o 9	TOTAL	555.16	\$		<u> </u>		0.15		
	Revenue Neutrality Uplift		φ	· ·	<u> </u>	ψ 0.10 i	, 0.10	•	_
		555.45	ŕ		\$ -	\$ 2.87	0.07		_
10 11	RT Revenue Neutrality Uplift Distribution Amount TOTAL	555.15	\$ \$		<u>s</u> - s-		<u>2.87</u> 2.87		
			φ	<u> </u>	ş -	φ 2.07	2.07	-	
	Other Charges DA Regulation-Down Distribution Amount	555 04	¢		\$ -	\$ 0.11	6 0.11		
12		555.04	\$		» - Տ -			-	
13 14	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	555.05	\$ \$		» - Տ -	\$ 0.32 \$ 0.26		-	
	DA Supplemental Reserve Distribution Amount	555.06 555.07	э \$					-	
15 16	RT Contingency Reserve Deployment Failure Amount	555.07 555.08	Դ Տ		\$- \$-	\$ 0.03 \$ - 3		-	
17	RT Over-Collected Losses Distribution Amount	555.11	\$		\$ (13,268.89)	\$ (4,399.67)		-	
18	RT Regulation-Down Distribution Amount	555.12	\$		\$ (13,200.09) \$ -	\$ (0.20)		-	
10	RT Regulation Non-Performance Distribution Amount	555.12	э \$		а \$-	\$ 0.04		-	
20	RT Regulation-Up Distribution Amount	555.14	\$		\$- \$-	\$ (0.07) \$		-	
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$- \$-	\$ (0.01) \$		-	
22	RT Supplemental Reserve Distribution Amount	555.17	ŝ		\$- \$-	\$ (0.01)			
23	RT Pseudo Tie Congestion Amount	555.20	\$		\$ (35,925.12)		250,219.07		
24	RT Pseudo Tie Loss Amount	555.21	ŝ		\$ (7,935.62)		14,079.73	-	
25	Miscellaneous Amount	555.23	ŝ		\$ -	\$ (1.08)		-	
26	ARR Closeout Yearly Amount	555.26	ŝ		\$-	\$ - 3		-	
27	RT Demand Reduction Distribution Amount	555.28	ŝ		\$-	\$ - 5		-	
28	RT Schedule 1A3 Amount	555.29	ŝ		s -	\$ 0.07		-	
29	RT Schedule 1A4 Amount	555.30	Š		š -	\$ 0.26		-	
30	DA Ramp Up Distribution Amount	555.31	Ŝ	-	\$-	\$ - 5	-	-	
31	DA Ramp Down Distribution Amount	555.32	Ŝ		\$-	\$ - 5	- 5	-	
32	RT Ramp Non Performance Distribution Amount	555.33	\$		\$-	\$ - 5	s -	-	
33	RT Ramp Up Distribution Amount	555.34	\$		\$-	\$ - 9	- 6	-	
34	RT Ramp Down Distribution Amount	555.35	\$	-	\$-	\$ - \$	s -	-	
35	TOTAL		\$	308,159.54	\$ (57,129.63)	\$ (4,399.94)	5 246,629.97	-	
-	Grandfathered Charge Types								
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$		\$-	\$ (0.30) \$	6 (0.30)	-	
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$-	\$ - 5	s -	-	
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$ -	\$ - 3		-	
39	TOTAL		\$	-	\$-	\$ (0.30)	6 (0.30)	-	
40	TOTAL SPP CHARGES		\$	308,159.54	\$ (57,129.63)	\$ (4,354.22)	246,675.69	-	
41 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ 246,675.69	*	* (F) and (G) increase	d for losses of 2.8%	
13	January 2023 covers time period of 12/27/2022 01/22/2023			Net Retail	Net SPP KWH			0 101 103063 01 2.0 /0	
44	SPP Book Totals		\$	251,029.91	-				_
45	Adjustments		\$	(4,354.22)	-				
46	Total SPP		\$	246,675.69	-				

	Detail of Southwe		ool (Sl		/ Charge Group fo ny adjustments	r Current Month - Sy	vstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$	-	\$ -		ş -	-	
2	DA Non-asset Energy Amount	555.03	\$	-	\$ -		5 -	-	
3	RT Asset Energy Amount	555.09	\$	-	\$ -	T	\$ -	-	
4	RT Non-Asset Energy Amount	555.00	\$	-	<u>\$</u> -		5 -	-	
5	TOTAL		\$	-	\$-	\$ -	\$-	-	_
	RSG & Make Whole Payments						•		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$ -		- F	-	
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	-	\$ -		5 -	-	
8 9	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	\$ \$		<u>\$</u> - \$-	Ψ	6 - 6 -		
			\$	<u> </u>	\$-	\$-	• -	-	_
	Revenue Neutrality Uplift	FFF 45	•		^	^	•		
0	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	-	<u>\$</u> -			-	
1	TOTAL		\$	•	\$-	\$-	\$-	•	_
	Other Charges		-		•	•	•		_
2	DA Regulation-Down Distribution Amount	555.04	\$	-	\$ -		- F	-	
3	DA Regulation-Up Distribution Amount	555.05	\$	-	\$ -	\$ -	ş -	-	
4	DA Spinning Reserve Distribution Amount	555.06	\$	-	\$ -		5 -	-	
5	DA Supplemental Reserve Distribution Amount	555.07	\$		\$ -		5 -	-	
6	RT Contingency Reserve Deployment Failure Amount	555.08	\$		\$ -		5 -	-	
7	RT Over-Collected Losses Distribution Amount	555.11	\$	147.86	\$ (8,110.07)		\$ (16,847.63)	-	
8	RT Regulation-Down Distribution Amount	555.12	\$	-	\$ -		ş -	-	
9	RT Regulation Non-Performance Distribution Amount	555.13	\$		\$ -		5 -	-	
20	RT Regulation-Up Distribution Amount	555.14	\$		\$ -		ş -	-	
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$ -		ş -	-	
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$ -		\$	-	
23	RT Pseudo Tie Congestion Amount	555.20	\$		\$ (60,545.50)	\$ -	106,176.02	-	
24	RT Pseudo Tie Loss Amount	555.21	\$		\$ (6,706.16)		\$ 1,314.35	-	
25	Miscellaneous Amount	555.23	\$	-	\$ -		5 -	-	
26	ARR Closeout Yearly Amount	555.26	\$	-	\$ -			-	
27	RT Demand Reduction Distribution Amount	555.28	\$	-	\$ -		ş -	-	
28	RT Schedule 1A3 Amount	555.29	\$	-	\$ -		5 -	-	
29 30	RT Schedule 1A4 Amount	555.30	\$	-	\$ -		5 - 5 -	-	
	DA Ramp Up Distribution Amount	555.31	\$	-	\$ -			-	
31	DA Ramp Down Distribution Amount	555.32	\$	-	\$ -		5 -	-	
32	RT Ramp Non Performance Distribution Amount	555.33	\$ \$		\$ -		ş -	-	
33 34	RT Ramp Up Distribution Amount RT Ramp Down Distribution Amount	555.34	\$ \$	-	\$- \$-		5 - 5 -	-	
34 35	TOTAL	555.35	\$ \$	174,889.89	\$ (75,361.73)				
	Grandfathered Charge Types		φ	174,005.05	\$ (75,301.73)	\$ (0,005.42)	¢ 50,042.74	-	_
		555.04	÷		¢	¢	ħ		_
86 87	DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	555.01 555.22	\$ \$	-	\$- \$-		5 - 5 -	-	
37 38	DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	555.22 555.27	э 5	-	» - Տ -		Þ -	-	
		000.27	Ŷ						—
				174 889 89	•	Ŧ		-	_
39 40	TOTAL TOTAL SPP CHARGES		\$,	\$ - \$ (75,361.73)	\$ -	5 -	-	
1	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$ 90,642.74	*	* (F) and (G) increase	d for losses of 2.8%	
3	April 2023 covers time period of 03/24/2023 04/20/2023			Net Retail	Net SPP KWH		(),(),		
14	SPP Book Totals		\$	99,528.16	-				
5	Adjustments		\$	(8,885.42)	-				_
16	Total SPP		\$	90,642.74	-				

	Detail of Southwe		ool (S	Otter Tail Power SPP) Charges by 2023 includes ar (Revenue) Ex	Charge Group for y adjustments	Current Month - Sy	rstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
lo. [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 \$		47	-
4	RT Non-Asset Energy Amount	555.00	\$		<u>\$</u> -	\$ - \$		-	
5	TOTAL		\$	1,306.84	\$-	\$ 0.02 \$	5 1,306.86	47	
	RSG & Make Whole Payments	555.00	<u>_</u>		<u>^</u>	<u>^</u>	<u>,</u>		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$ -	\$ - 9		-	-
7 8	RT Make-Whole-Payment Distribution Amount	555.10	\$	19.58		\$ - \$ \$ - \$		-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	\$ \$	19.58	<u>\$</u> - \$-	<u>\$</u>			·
			æ	19.50	ş -	ə - ;	19.50	· ·	
	Revenue Neutrality Uplift	555.45		40.50	<u>^</u>	<u>^</u>	40.50		_
10 11	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	13.59	<u>\$</u> -	<u>\$</u>			
	TOTAL		\$	13.59	\$-	\$	5 13.59	•	
	Other Charges DA Regulation-Down Distribution Amount	555.04	¢	4.05	¢	¢ (6 1.25		
12			\$		\$ -	\$ - \$		-	
13 14	DA Regulation-Up Distribution Amount	555.05	\$ \$			\$ - S \$ - S		-	
14 15	DA Spinning Reserve Distribution Amount	555.06	ֆ Տ					-	
15	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	555.07 555.08	Դ Տ			\$ - S \$ - S		-	
16	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	555.08 555.11	ֆ Տ			\$ (1.330.52) \$		-	
17	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	555.12	ֆ Տ			\$ (1,330.52) 3 \$ - 5		-	
18	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	555.12	Դ Տ			s - 3		-	
20	RT Regulation Non-Performance Distribution Amount	555.13	э \$			s - 3		-	
20	RT Spinning Reserve Distribution Amount	555.16	\$			\$ - 3			
22	RT Supplemental Reserve Distribution Amount	555.17	\$			\$ - 3		-	
22	RT Pseudo Tie Congestion Amount	555.20	\$			\$ - 3			
24	RT Pseudo Tie Loss Amount	555.21	\$			\$ - 3	6 (8,973.81)	_	
25	Miscellaneous Amount	555.23	ŝ			\$ - 3	6 0.73		
26	ARR Closeout Yearly Amount	555.26	\$			\$ - 3			
27	RT Demand Reduction Distribution Amount	555.28	ŝ			\$ - 3		-	
28	RT Schedule 1A3 Amount	555.29	ŝ			\$ - 9			
29	RT Schedule 1A4 Amount	555.30	Š			\$ - 3		-	
30	DA Ramp Up Distribution Amount	555.31	ŝ			\$ - 5		-	
31	DA Ramp Down Distribution Amount	555.32	ŝ			\$ - 9		-	
32	RT Ramp Non Performance Distribution Amount	555.33	Š			\$ - 3		-	
33	RT Ramp Up Distribution Amount	555.34	\$			\$ - 3		-	
34	RT Ramp Down Distribution Amount	555.35	\$	-		\$ - 3		-	
35	TOTAL		\$	42,189.22	\$ (63,320.19)	\$ (1,330.52)	6 (22,461.49)	-	
(Grandfathered Charge Types		_						
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	-	\$ (8.16)	\$ - \$	6 (8.16)	-	
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ (0.05)	\$ - \$	6 (0.05)	-	
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-		\$ - \$			
39	TOTAL		\$	-	\$ (8.21)	\$\$	6 (8.21)	•	
40	TOTAL SPP CHARGES		\$	43,529.23	\$ (63,328.40)	\$ (1,330.50) \$	6 (21,129.67)	47	
41 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ (21,129.67)	**	(F) and (G) increase	d for losses of 2.8%	46,84
43	April 2023 covers time period of 03/24/2023 04/20/2023			Net Retail	Net SPP KWH		(i) and (C) increase		
44	SPP Book Totals		\$	(19,799.17)	46,846				
45	Adjustments		\$	(1,330.50)	-				
45 46	Total SPP		\$	(21,129.67)	46.846				

	Detail of Southwe		ool (S		Charge Group for y adjustments	r Current Month - Sy	rstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
NO. [Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$	-	ş -		\$ -	-	
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)	-	
F	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)	-	
F	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	-	\$-	\$ (0.32)	\$ (0.32)	-	
11	TOTAL		\$	-	\$ -	\$ (0.32)			
(Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$		\$-	\$ (0.03)	\$ (0.03)		
13	DA Regulation-Up Distribution Amount	555.05	Š		\$-	\$ (0.12)		-	
14	DA Spinning Reserve Distribution Amount	555.06	Š		\$-	\$ (0.17)		-	
15	DA Supplemental Reserve Distribution Amount	555.07	Š		\$-	\$ (0.01)		-	
16	RT Contingency Reserve Deployment Failure Amount	555.08	Š		\$-	\$ -		-	
17	RT Over-Collected Losses Distribution Amount	555.11	ŝ			\$ (27.67)			
18	RT Regulation-Down Distribution Amount	555.12	\$		\$ (7,000.72) \$ -		\$ (7,001.33)		
19	RT Regulation Non-Performance Distribution Amount	555.12	ŝ		\$- \$-	\$ 0.05		-	
20	RT Regulation-Up Distribution Amount	555.14	\$		\$-	\$ -		-	
20	RT Spinning Reserve Distribution Amount	555.16	\$		\$- \$-		- 5 -	-	
22	RT Supplemental Reserve Distribution Amount	555.17	ŝ		\$- \$-		р - Б -	-	
22	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	555.20	э \$				53,035.48	-	
23 24	RT Pseudo Tie Loss Amount	555.20	э \$				\$ 4,829.88	-	-
24 25	Miscellaneous Amount	555.23	э \$		\$ (0,303.30) \$ -	\$ - :		-	
25 26	ARR Closeout Yearly Amount	555.25 555.26	э \$		\$ (279,464.26)		• - \$ (279,464.26)	-	
20 27	RT Demand Reduction Distribution Amount	555.28	э \$		\$ (279,404.20) \$ -		5 (2/9,404.20) 5 -	-	
28	RT Schedule 1A3 Amount	555.20				\$ (0.01)		-	
28 29			ֆ Տ		\$- \$-			-	
	RT Schedule 1A4 Amount	555.30						-	
30	DA Ramp Up Distribution Amount	555.31	\$		\$-	\$ (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	\$	-	\$ -		ş -	-	
34	RT Ramp Down Distribution Amount	555.35	\$	-	<u>\$</u> -	\$		-	
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		-	
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ -	\$ -		-	
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-		<u>\$</u>	5 (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 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ (229,447.82)		* (F) and (G) increase	d for lossos of 2.9%	
43	June 2023 covers time period of 05/24/2023 06/22/2023			Net Retail	Net SPP KWH		(F) and (G) increase	u 101 105585 01 2.0%	
44	SPP Book Totals		\$	(229,399.96)	-				
45	Adjustments		\$	(47.86)	-				
45			\$						

	Detail of Southwe		ool (SP		y Charge Group f ny adjustments	for C	urrent Month - Sy	vstem		
		(A)	_	(B)	(C)		(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	Re	etail Debits	Retail Credits		Adjustments	Net Retail	MWH for Retail	
10.1	Day Ahead & Real Time Asset & Non Asset Energy & Loss							•		
1 2	DA Asset Energy Amount	555.19	\$	-	\$- \$-	\$	-	5 -	-	
	DA Non-asset Energy Amount	555.03	\$	-	\$- \$-	\$		- -	-	
3	RT Asset Energy Amount RT Non-Asset Energy Amount	555.09	\$	-	ъ - \$-	\$ \$	-	•	-	
4 5	TOTAL	555.00	\$ \$	-	5 - \$ -			• - 6 -	-	
	RSG & Make Whole Payments		Ŷ	-	φ -	ą		p -	-	_
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$ -	\$		\$ -		_
7	RT Make-Whole-Payment Distribution Amount	555.02 555.10	э \$	-	ъ \$-	э \$		р - Б -	-	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.10	э \$	-	э - \$ -	э S	-		-	
9	TOTAL	555.16	Ŝ		\$ -	\$		s -		
	Revenue Neutrality Uplift		¥	-	v -	÷	_	,		_
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$		\$ -	\$		ş -		_
11	TOTAL	333.13	\$	-	\$ -	\$		s -	-	
	Other Charges	_	¥.	-		Ť		-	-	_
12	DA Regulation-Down Distribution Amount	555.04	\$		\$ -	\$		\$ -		_
13	DA Regulation-Down Distribution Amount	555.05	\$		\$- \$-	\$		\$	-	
14	DA Spinning Reserve Distribution Amount	555.06	\$	-	\$- \$-	\$	-	\$- \$-	-	
15	DA Supplemental Reserve Distribution Amount	555.07	ŝ	-	\$-	\$	-		-	
16	RT Contingency Reserve Deployment Failure Amount	555.08	ŝ	-	\$-	Š	-		-	
17	RT Over-Collected Losses Distribution Amount	555.11	ŝ	-	\$ (11,630.57		(211.65)		-	
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$ -	Ś	-		-	
19	RT Regulation Non-Performance Distribution Amount	555.13	Ś	-	\$ -	Ś		- 5	-	
20	RT Regulation-Up Distribution Amount	555.14	\$	-	\$ -	\$			-	
21	RT Spinning Reserve Distribution Amount	555.16	\$	-	\$ -	\$		5 -	-	
22	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$-	\$		ş -	-	
23	RT Pseudo Tie Congestion Amount	555.20	\$	45,387.88	\$ (27,787.97	7)\$		\$ 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	\$	-	\$ -	\$		5 -	-	
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 34	RT Ramp Up Distribution Amount RT Ramp Down Distribution Amount	555.34 555.35	\$ \$	-	\$ - \$ -	\$ \$	-		-	
34 35	TOTAL	000.30	ې \$	50,180.13	\$ (52,073.68		(211.65)	5 <u>-</u> 5 (2,105.20)		
	Grandfathered Charge Types		Ŷ	30,100.13	φ (32,073.00	<i>)</i> ,	(211.03)	\$ (2,103.20)	-	_
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$		\$ -	\$	- :	t		
37	DA GFA Carve Out Distribution Deployment Daily Amount	555.22	э \$	-	s -	э \$	-		-	
38	DA GFA Carve Out Distribution Deployment Monthly Amount	555.27	s S	-	\$ - \$	¢ ¢			-	
39	TOTAL	000.21	\$	-	ş - \$ -	\$		s -	-	
40	TOTAL SPP CHARGES		\$	50,180.13	•	3)\$	(211.65)		-	
11 12	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ (2,105.20))	*	* (F) and (G) increase	d for losses of 2.8%	
3	July 2023 covers time period of 06/23/2023 07/23/2023			Net Retail	Net SPP KWH			(i) and (G) inclease	0 101 103565 01 2.0 /0	
14	SPP Book Totals		\$	(1,893.55)	-					
15	Adjustments		\$	(211.65)	-					
16	Total SPP		\$	(2,105.20)	-	_				

	Detail of Southwe		ool (S		Charge Group for any adjustments	r Current Month - Sy	stem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct		Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
lo.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ - \$	-	-	-
2	DA Non-asset Energy Amount	555.03	\$		\$ -	\$ - 5		-	-
3	RT Asset Energy Amount	555.09	\$	124.07	\$-	\$ (0.07) \$	5 124.00	5	-
4	RT Non-Asset Energy Amount	555.00	\$	-	<u>\$</u> -	\$ - \$	-		
5	TOTAL		\$	124.07	\$-	\$ (0.07) \$	5 124.00	5	
	RSG & Make Whole Payments				•	<u>.</u>			_
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$-	\$ - \$		-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	12.07	\$ -	\$ 0.22	5 12.29	-	
8 9	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	\$ \$	-	<u>\$</u>	\$ - 3	5 - 5 12.29		-
			ð	12.07	\$-	\$ 0.22	12.29	-	
	Revenue Neutrality Uplift	555.45	<u>_</u>	1.00	•	^ (0.00) (1.00		_
10 11	RT Revenue Neutrality Uplift Distribution Amount TOTAL	555.15	\$		<u>\$</u> - \$-	\$ (0.03) \$ \$ (0.03) \$			
			\$	1.86	ə -	\$ (0.03) \$	1.83	•	
	Other Charges	555.04	<u>_</u>	0.40	•	^	0.40		
12	DA Regulation-Down Distribution Amount	555.04	\$		\$-	\$ - 5		-	
13 14	DA Regulation-Up Distribution Amount	555.05	\$ \$		\$- \$-	\$ 0.02 \$ \$ 0.01 \$		-	
14 15	DA Spinning Reserve Distribution Amount	555.06	ծ Տ		ֆ - Տ -			-	
15 16	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	555.07 555.08	ծ Տ		» - Տ -	\$ - S \$ - S		-	
16	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	555.08 555.11	ծ Տ			\$ (106.08) \$		-	
17	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	555.11	ծ Տ		\$ (11,972.13) \$ -	\$ (106.08) 3 \$ - 5		-	
18	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	555.12	ծ Տ		» - Տ -	\$ - 3 \$ - 9		-	
20	RT Regulation Non-Performance Distribution Amount	555.13	\$		արարություն։ Տերերություն։	s - 3		-	
20	RT Spinning Reserve Distribution Amount	555.16	\$		\$- \$-	\$ - 3			
22	RT Supplemental Reserve Distribution Amount	555.17	\$		ş - \$ -	\$ - 5		-	-
22	RT Pseudo Tie Congestion Amount	555.20	\$			\$ - 3			
24	RT Pseudo Tie Loss Amount	555.21	\$			\$ - 3	2,876.29		
25	Miscellaneous Amount	555.23	ŝ		\$ -	\$ - 3		_	
26	ARR Closeout Yearly Amount	555.26	\$		\$-	\$ - 5		-	
27	RT Demand Reduction Distribution Amount	555.28	Š		\$-	\$ - 3		-	
28	RT Schedule 1A3 Amount	555.29	ŝ		\$-	\$ - 5		-	
29	RT Schedule 1A4 Amount	555.30	Š		\$-	\$ - 5		-	
30	DA Ramp Up Distribution Amount	555.31	\$		\$-	\$ - 5		-	
31	DA Ramp Down Distribution Amount	555.32	\$	-	\$-	\$ - 9	-	-	
32	RT Ramp Non Performance Distribution Amount	555.33	\$		\$-	\$ - 9		-	
33	RT Ramp Up Distribution Amount	555.34	\$	-	\$-	\$ - 9	- 3	-	
34	RT Ramp Down Distribution Amount	555.35	\$	-	\$-	\$ - 5	- 3	-	
35	TOTAL		\$	266,049.81	\$ (40,937.40)	\$ (106.05) \$	5 225,006.36	-	
	Grandfathered Charge Types								
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$		\$-	\$ 0.06 \$		-	
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 \$	5 1.03	-	
40	TOTAL SPP CHARGES		\$	266,188.78	\$ (40,937.40)	\$ (105.87) \$	6 225,145.51	5	
41 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ 225,145.51	**	(F) and (G) increase	d for losses of 2.8%	4,96
43	August 2023 covers time period of 06/23/2023 07/23/2023			Net Retail	Net SPP KWH		(.) and (0) morease	a 161 166666 61 21670	
44	SPP Book Totals		\$	225,251.38	4,965				_
45	Adjustments		\$	(105.87)	-				
46	Total SPP		\$	225,145.51	4.965				

	Detail of Southwes		ool (S		Charge Group for any adjustments	r Current Month - Sy	rstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
_	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss	/ 4			•		<u>`</u>		
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ - 5		-	
2	DA Non-asset Energy Amount	555.03	\$		\$-	\$ - 9		-	
3	RT Asset Energy Amount	555.09	\$	-	\$ -	\$ - 5	-	-	
4 5	RT Non-Asset Energy Amount	555.00	\$	-	<u>-</u>	<u>\$</u> - 3		-	
	TOTAL		\$		ə -	\$ - 9	• -	•	_
	RSG & Make Whole Payments	555.00			^	<u>^</u>	N		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$ -	\$ - 5		-	
7 8	RT Make-Whole-Payment Distribution Amount	555.10	\$ \$	-	\$- \$-	\$ - S \$ - S		-	
8	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	ې		» - Տ -	\$ - S			
			æ	•	ə -	ş - ;	- •	-	_
	Revenue Neutrality Uplift	FFF 15			¢	¢	N		
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	-	<u>\$</u> -	\$ - \$			
11	TOTAL		\$		\$-	\$ - \$	ş -	•	_
	Other Charges	555 Q :			^	^			
12	DA Regulation-Down Distribution Amount	555.04	\$		\$ -	\$ - 5		-	
13	DA Regulation-Up Distribution Amount	555.05	\$		\$ -	\$ - 5		-	
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$ -	\$ - 5		-	
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$ -	\$ - 5		-	
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$		\$- \$(10,406,08)	\$ - 5		-	
17	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	555.11	\$ \$			\$ (204.30) \$ \$ - 5		-	
18 19	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	555.12 555.13	\$ \$		\$- \$-	\$ - S \$ - S		-	
19 20	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	555.13 555.14	ֆ Տ		\$- \$-	\$ - 3 \$ - 9		-	
20 21	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	555.14 555.16	\$ \$		s - s -	\$ - 3		-	
22	RT Supplemental Reserve Distribution Amount		ծ Տ		s - S -	s - 3		-	
	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	555.17 555.20	ծ Տ					-	
23 24	RT Pseudo Tie Loss Amount	555.20 555.21	ծ Տ			\$ - S \$ - S	462,228.26 1,656.68	-	
25	Miscellaneous Amount	555.23	э \$		\$ (0,034.00) \$ -	s - 3		-	
26	ARR Closeout Yearly Amount	555.26	э \$		а \$-	s - 3		-	
27	RT Demand Reduction Distribution Amount	555.28	э \$		а \$-	s - 3		-	
28	RT Schedule 1A3 Amount	555.29	\$		у - \$-	\$ - 5		-	
29	RT Schedule 1A4 Amount	555.30	\$		у - \$-	\$ - 5		-	
30	DA Ramp Up Distribution Amount	555.31	ŝ		φ - \$ -	\$ - 5		-	
31	DA Ramp Down Distribution Amount	555.32	ŝ		φ - \$ -	\$ - 3		-	
32	RT Ramp Non Performance Distribution Amount	555.33	ŝ		φ - \$ -	\$ - 5		-	
33	RT Ramp Up Distribution Amount	555.34	ŝ		φ - \$ -	\$ - 5		-	
34	RT Ramp Down Distribution Amount	555.35	ŝ		φ - \$ -	\$ - 5		-	
35	TOTAL		\$			\$ (204.30)		-	
	Grandfathered Charge Types			,			,		
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$		\$-	\$ - 5	s -	-	
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	Š		\$-	\$ - 3		-	
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$-	\$ - 3		-	
39	TOTAL		\$	-	\$-	\$ - 9	-	-	
40	TOTAL SPP CHARGES		\$	472,763.17	\$ (19,367.28)	\$ (204.30) \$	453,191.59	-	
41 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ 453,191.59	**	* (F) and (G) increase	d for losses of 2.8%	
43	September 2023 covers time period of 08/24/2023 09/21/2023			Net Retail	Net SPP KWH			G 101 103363 01 2.0 /0	
14	SPP Book Totals		\$	453,395.89	-				
15	Adjustments		\$	(204.30)	-				
16	Total SPP		\$	453,191.59	-				

	Detail of Southwe		ool (S	Otter Tail Power SPP) Charges by r 2023 includes (Revenue) Ex	y Charg any ad	e Group for	Current Month - Sy	ystem		
		(A)		(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with	h
	Charge Type Description	Acct		Retail Debits	Retai	I Credits	Adjustments	Net Retail	MWH for Retail	
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss				-		*	*		
1	DA Asset Energy Amount	555.19	\$	-	\$	-	\$-	\$- \$-	-	-
2	DA Non-asset Energy Amount	555.03	\$	-	\$				-	-
3 4	RT Asset Energy Amount RT Non-Asset Energy Amount	555.09 555.00	\$	6,098.13	\$	(464.56)	\$ 2.65	\$ 5,636.22	74	(129
4 5	TOTAL	555.00	\$ \$	6,098.13	\$	(464.56)	\$	∍ <u>-</u> \$ 5.636.22	74	(129
	RSG & Make Whole Payments		Ψ	0,030.13	Ψ	(404.30)	φ 2.05	φ 3,030.22	17	(123
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$		\$ -	\$-		
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	111.25	Ψ \$			φ \$111.86	_	_
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	ŝ	-	\$			\$ 111.00 \$ -	-	_
9	TOTAL	000.10	Š	111.25	Š	-	\$ 0.61	\$ 111.86	-	-
÷	Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	77.18	\$	(81.90)	\$ 0.01	\$ (4.71)		
1	TOTAL		\$	77.18	\$	(81.90)		\$ (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	\$		\$	- 3		\$ 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	\$			\$ 2.99	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$			\$-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$			\$ (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)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$	-	\$			\$ (4.76)	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$	0.38	\$			\$ 0.38	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$			\$ -	-	-
23 24	RT Pseudo Tie Congestion Amount	555.20	\$ \$	203,213.23	\$ (\$		\$ - \$ -	\$	-	-
24 25	RT Pseudo Tie Loss Amount Miscellaneous Amount	555.21 555.23	э \$	7,325.69	э \$			\$	-	-
25 26	ARR Closeout Yearly Amount	555.26	э \$	-	э \$			р - \$-	-	-
27	RT Demand Reduction Distribution Amount	555.28	ŝ	2.63	φ \$			\$		
28	RT Schedule 1A3 Amount	555.29	\$	5.93	Ψ \$			\$		
29	RT Schedule 1A4 Amount	555.30	\$	25.54	\$			\$		_
30	DA Ramp Up Distribution Amount	555.31	ŝ	1.87	\$			\$ 1.88	-	-
31	DA Ramp Down Distribution Amount	555.32	Š	-	ŝ			\$ -	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	Š	-	Š			\$ (0.01)	-	-
33	RT Ramp Up Distribution Amount	555.34	\$	0.05	\$	- 1	\$ -	\$ 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	\$			\$ 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	\$			\$ 18.10		
40	TOTAL SPP CHARGES		\$	217,000.11	\$ (58,659.18)	\$ 168.15	\$ 158,509.08	74	(129
11 12	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000				\$1	58,509.08		* (E)		(54,55
43	October 2023 covers time period of 09/22/2023 10/23/2023			Net Retail	Not 9	SPP KWH		* (F) and (G) increase	101 105585 01 2.0%	
44	SPP Book Totals		\$	158,340.93		(54,556)				
45	Adjustments		\$	168.15		-				
46	Total SPP		Ŝ	158,509.08		(54,556)				
			Ŧ	,		(- ·,)				

	Detail of Southwe		ool (S		y Charge Group for s any adjustments	r Current Month - S	ystem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
b . I	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	\$		<u>\$</u> -	<u></u> -	\$ -	-	
5	TOTAL		\$	3,342.39	\$ -	\$-	\$ 3,342.39	121	
	RSG & Make Whole Payments		<u>_</u>		•	^	<u>^</u>		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$ -		\$ -	-	
7 8	RT Make-Whole-Payment Distribution Amount	555.10	\$	101.26	\$ - \$ -	\$ - \$ -	\$ 101.26 \$ -	-	
8	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	\$ \$	101.26	<u> </u>	Ψ	\$ 101.26		
	Revenue Neutrality Uplift		ð	101.20	ə -	ə -	\$ 101.20	· ·	
		555.45	<u>_</u>	0.70	A (40.55)	^	(0.00)		
10 11	RT Revenue Neutrality Uplift Distribution Amount TOTAL	555.15	\$ \$	8.72 8.72	\$ (12.55) \$ (12.55)	<u>\$</u> -	\$ (3.83) \$ (3.83)		
			\$	8.72	\$ (12.55)	ş -	\$ (3.83)	•	
	Other Charges	555.01	¢	7.00	¢	¢	¢ 7.00		
12	DA Regulation-Down Distribution Amount	555.04	\$	7.62	\$ - \$ -	\$ -	\$ 7.62 \$ 14.71	-	
13	DA Regulation-Up Distribution Amount	555.05	\$ \$	14.71	\$- \$-		\$ 14.71 \$ 10.55	-	
14 15	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	555.06	\$ \$	10.55 2.30	\$ - \$ -		\$ 10.55 \$ 2.30	-	
15 16	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	555.07 555.08	\$ \$	2.30			\$ 2.30 \$ (0.06)	-	
17	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	555.08 555.11	Դ Տ	-			\$ (0.06) \$ (10.625.48)	-	
17	RT Regulation-Down Distribution Amount	555.11 555.12	ծ Տ	- 1.27	\$ (10,943.58) \$ -		\$ (10,625.48) \$ 1.27	-	
18	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	555.12 555.13	ծ Տ	1.27			\$ 1.27 \$ (0.62)	-	
20	RT Regulation Non-Performance Distribution Amount	555.13	э \$	-	\$ (0.62) \$ (9.27)		\$ (0.62) \$ (9.27)	-	
21	RT Spinning Reserve Distribution Amount	555.14	э \$	-			\$ (9.27) \$ (2.84)	-	
22	RT Supplemental Reserve Distribution Amount	555.17	\$	0.31	\$ (2.04)		\$ 0.31	-	
23	RT Pseudo Tie Congestion Amount	555.20	\$	171,118.36			\$ 2,720.28		
24	RT Pseudo Tie Loss Amount	555.21	\$	21,032.39		\$ -	\$ 16,634.69	-	
25	Miscellaneous Amount	555.23	\$	-	\$ (4,337.70)		\$ 10,034.03	-	
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)	-	
33	RT Ramp Up Distribution Amount	555.34	\$	-			\$ (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 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ 12,217.23		** (F) and (G) increase		121,19
13	November 2023 covers time period of 10/24/2023 - 11/22/2023			Net Retail	Net SPP KWH		(i) and (G) inclease	U 101 103563 UI 2.0 /0	
14	SPP Book Totals		\$	11,899.13	121,191				
15	Adjustments		\$	318.10	- 121,191				
16	Total SPP		\$	12,217.23					

Type Description It & Non Asset Energy & Lo It & Non Asset Energy & Lo It & Non Asset Energy & Lo It & It & It & It & It & It & It & It &	555.11 555.00 555.00 555.00 555.00 555.00 555.00 555.00	3 \$ \$ \$ 3 \$ \$ \$ 4 \$ \$ \$ 5 \$ \$ \$ 5 \$ \$ \$ 5 \$ \$ \$ 5 \$ \$ \$ 6 \$ \$ \$ 7 \$ \$ \$ 6 \$ \$ \$ 7 \$ \$ \$ 6 \$ \$ \$ 7 \$ \$ \$ 6 \$ \$ \$ 6 \$ \$ \$ 7 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$ 8 \$ \$ \$	(B) Retail Debits	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	(D) Retail Adjustments \$ - \$ \$ - \$ \$ (5,746.79) \$ \$ - \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (15.83) \$ \$ (57.02) \$ \$ (32.13) \$ \$ (32.13) \$ \$ (32.9)	(5,746.79) (5,746.79) (115.35) (115.35) (115.35) (115.35) (15.83) (57.02) (32.13) (3.09)	(F) and (G)** Charge types with MWH for Retail - - - - - - - - - - - - -
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unt unt s Distribution Amount Distribution Amount distribution Amount diff Distribution Amount ff Distribution Amount ff Distribution Amount bution Amount Distribution Amount Distribution Amount Distribution Amount Distribution Amount Distribution Amount bution Amount Distribution Amount Distribution Amount bution Amount Distribution Amount bution Am	555.11 555.00 555.00 555.01 555.11 555.11 555.11 555.11 555.01 555.00 555.00 555.00 555.00 555.00 555.01 555.01 555.11 555.11 555.11 555.11	3 \$ <th>-</th> <th>\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -</th> <th>\$</th> <th>(5,746.79) (5,746.79) (115.35) (115.35) (115.35) (115.35) (15.83) (57.02) (32.13) (3.09)</th> <th>-</th>	-	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$	(5,746.79) (5,746.79) (115.35) (115.35) (115.35) (115.35) (15.83) (57.02) (32.13) (3.09)	-
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unt S Distribution Amount Distribution Amount int Distribution Amount ift Distribution Amount ift Distribution Amount bution Amount Distribution Amount Distribution Amount Distribution Amount butio	555.00 555.00 555.00 555.11 555.11 555.11 555.00 555.00 555.00 555.00 555.00 555.00 555.01 555.11 555.11 555.11 555.11 555.11	3 5 5 5 2 3 5 5 5 2 3 5 5 5 3 5 5 5 5 4 5 5 5 5 5 5 5 5 5 4 5 5 5 5 5 5 5 5 5 6 5 5 5 5 6 5 5 5 5 6 5 5 5 5 6 5 5 5 5 6 5 5 5 5 7 5 5 5 5 6 5 5 5 5 7 5 5 5 5 7 5 5 5 5 7 5 5 5 5 8 5 5 5 5 8 5 5 5 5 8 5 5 5 5 8 5 5 5 5 8 5 5 5 5 <td>-</td> <td>\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -</td> <td>\$ (5,746.79) \$ \$ - \$ \$ \$ (5,746.79) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (15.83) \$ \$ (15.83) \$ \$ (15.83) \$ \$ (57.02) \$ \$ (32.13) \$ \$ (3.09) \$ \$ - \$ \$ - \$ \$ \$ \$ - \$ \$ \$ - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td> <td>(5,746.79) (5,746.79) (115.35) (115.35) (115.35) (115.35) (15.83) (57.02) (32.13) (3.09)</td> <td>-</td>	-	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ (5,746.79) \$ \$ - \$ \$ \$ (5,746.79) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (115.35) \$ \$ (15.83) \$ \$ (15.83) \$ \$ (15.83) \$ \$ (57.02) \$ \$ (32.13) \$ \$ (3.09) \$ \$ - \$ \$ - \$ \$ \$ \$ - \$ \$ \$ - \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(5,746.79) (5,746.79) (115.35) (115.35) (115.35) (115.35) (15.83) (57.02) (32.13) (3.09)	-
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	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. D	ay 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
R	SG & 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
R	evenue Neutrality Uplift														
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 21.24			- \$			- \$						
11	TOTAL		\$ 21.24	\$ 3.91 \$	2.87 \$	- \$	13.59 \$	(0.32) \$	- \$	1.83	\$ -	\$ (4.71)	\$ (3.83)	\$ 4.55 \$	39.13
	ther Charges														
12	DA Regulation-Down Distribution Amount		\$ 1.90			- \$			- \$			\$ 15.47			
13	DA Regulation-Up Distribution Amount	555.05	\$ 5.76		0.32 \$	- \$			- \$			\$ 56.33			
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.91		0.26 \$	- \$			- \$		+	\$ 31.75			
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.55		0.03 \$	- \$	0.01 Q	(****) +	- \$		Ψ	\$ 2.99			
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	• •		- \$	•	+	- \$		Ŷ		\$ (0.06)		
17	RT Over-Collected Losses Distribution Amount	555.11	\$ (15,288.21)				(.,, .	() ,	(11,842.22) \$		• (• , • • • ,	\$ (8,771.04)			
18	RT Regulation-Down Distribution Amount	555.12	\$ (0.42)		(0.20) \$	- \$			- \$		+	\$ 4.20		, , , ,	
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ (0.05)		0.04 \$	- \$	(0.00) \$		- \$		+	\$ (3.14)			
20	RT Regulation-Up Distribution Amount	555.14	\$ (0.04)		(0.07) \$	- \$		*	- \$		+	\$ (4.76)			(0.00)
21	RT Spinning Reserve Distribution Amount	555.16	\$ (0.02)			- \$			- \$		+	\$ 0.38			
22 23 24 25 26	RT Supplemental Reserve Distribution Amount	555.17	\$ -	Ý Ý	- \$	- \$	(0.01) \$		- \$		Ψ	Ψ	\$ 0.31		0.00
23	RT Pseudo Tie Congestion Amount		\$ 43,850.77			106,176.02 \$	(2,810.35) \$		17,599.91 \$					\$ 47,211.07 \$	
24	RT Pseudo Tie Loss Amount Miscellaneous Amount	555.21 555.23	\$ 16,420.62 \$ (10.84)		14,079.73 \$ (1.08) \$	1,314.35 \$	(8,973.81) \$ 0.73 \$		(7,862.89) \$					\$ 22,754.03 \$ \$ - \$	
25	ARR Closeout Yearly Amount	555.26	\$ (10.84) \$ -		(1.08) \$	- 3	0.73 \$	(279,464.26) \$	- 5			Ŧ		» - » Տ - Տ	
27	RT Demand Reduction Distribution Amount	555.28	\$ - \$	• •	- \$	- \$		(2/3,404.20) \$	- \$			Ŧ	\$ 0.41		
27 28 29	RT Schedule 1A3 Amount	555.29	\$ 0.80	• •	0.07 \$	- \$	1.37 \$	(0.01) \$	- \$		+		\$ 3.64		6.18
29	RT Schedule 1A4 Amount	555.30	\$ 3.51		0.26 \$	- \$		(0.06) \$	- \$		\$ -	\$ 25.54	\$ 15.56		
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	\$ -	Ý Ý	- \$	- \$	(==) +		- \$		+	\$ (0.01)			(0.30)
33 34	RT Ramp Up Distribution Amount RT Ramp Down Distribution Amount	555.34 555.35	\$ -	5 - S	- \$	- \$	(1.06) \$	- \$	- \$	-	\$ -	\$ 0.05	\$ (2.31)	\$ (0.05) \$	(3.37)
34	TOTAL	000.00	\$ 44.989.50	5 - 5 \$ (107.967.62) \$	246.629.97 \$	90.642.74 \$	(22 461 49) \$	(229.200.65) \$	(2,105.20) \$	225.006.36	\$ 453.191.59	5 152.747.61	\$ 8.772.92	<u>ຈ</u> -ຈ \$57.521.35 \$	917,767.08
	randfathered Charge Types		+++,000.00	φ (101,001.02) φ		50,042.14 Ø	(22,401.43) \$	(,00.00) \$	(2,100.20) \$	110,000.00	+ +00,101.00	+ 102,141.01	÷ 0,112.32	φ 01,021.00 φ	517,707.00
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)		- \$	- \$	(0.05) \$	- \$	- \$		\$ -		\$ (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:		2017	2010	2019	2020	2021	2022	2023	Test Teal
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 - 512	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 - 513	1.063.183	1.010.467	1.394.309	874.095	921.925	2,800,930 941,350	1,103.508	1,484,118
Total Steam Power Maintenance	402 - 314	11.113.203	14,202,252	14.576.578	8,593,200	11,538,395	12,208,951	9.683.485	13,563,700
Total Steam Tower Maintenance		11,113,203	14,202,202	14,570,570	0,000,200	11,000,000	12,200,331	3,003,403	13,303,700
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								10.007	
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 ONL	Y:								
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		\$ 12,540,306	\$ 15,365,943	\$ 15,589,236	\$ 9,692,535	\$ 19,671,625	\$ 21,115,986	\$ 20,146,276	\$ 19,941,738

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

... PROTECTED DATA ENDS]

[PROTECTED DATA BEGINS . . .

Coyote Station Forced Outage Info

Outage	e Dates				Change in	
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
1/5/2023 2/18/2023 7/9/2023	2/20/2023	Secondary Superheat Tube Leak #4 Cyclone Tube Leak Raw water line from Surge Pond failure	1.97	Secondary Superheat Tube Leak Cyclone developed a water tube leak Pipeline from surge pond to plant developed a leak		Local area inspected for additional leaks and apparent wear. During major outage replace studs 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.
			1		PROTECTE	

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

	<i></i>		* (C)	* (D) Production	1					
	(A) Date Paid	(B)	Wind F Delivered	Production	* (E) Det P	* (F) Production	T	* (G)	(H)
	Delivered	Lost	to OTP	Amount	Lo	st	Amount	†	Total	Reason
Month	MWh	MWh	MWh	OTP Paid	MV	Vh	OTP Paid		OTP Paid	Codes
			[PROTEC	TED DATA B		•••				
Jan-23										
Feb-23										
100 20								† †		
Mar-23								╎╎		
Apr-23										
May-23										
Jun-23										
Jul-23										
								11		
Aug-23								╎╎		
Sep-23										
Oct-23										
Nov-23										
Dec-23			┥┝───┼					┥┝		
Total 2023							TECTED D			
						ΓRU		A I	A END9]	

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

(A) (B) Wind Production * (C) (H) Month Delivered Lost Amount Total OTP Paid "><th></th><th></th><th></th><th>* (C)</th><th>* (D)</th><th>_</th><th></th><th></th><th></th></t<>				* (C)	* (D)	_			
Month Delivered MWh Lost MWh Amount OTP Paid Total OTP Paid Reaso OTP Paid Jan-23 N/A 2/13,67,910,11,12, 2/13,67,910,11,12, Feb-23 3/16/2023 Image: Constraint of the state of the stat			(B)						4.0
Month MWh MWh OTP Paid MWh OTP Paid OTP Paid OCDP Paid Codes Jan-23 N/A 2/16/2023 Image: Codes Image: C			Leat						
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	Total 202	3							
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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 <u>Contingency Deployment Failure Charge Amount</u> 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 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

	т		(A)		(B)		(C)	(D)		(E)	(F)	(G)		(H)	ר ר	(I)		(J)	(K)		(L)		(M)	(N)		(0)		(P)		(Q)		(R)
Line No.			Jan-23	F	eb-23	M	ar-23	1st Qtr 2023 Total		Apr-23	Ма	y-23	Jun-2		nd Qtr 202 Total	3	Jul-23	Au	g-23	Sep-2		Brd Qtr 2023 Total		Oct-23	Nov-	23	Dec-23	4	th Qtr 2023 Total	1:	2-Month Total		N Amount 0.481142
1	Day Ahead Regulation Amount	\$	8,750	\$	17,783	\$	40,731 \$	67,265	\$	34,953	\$8	5,534 \$	58,	310 \$	5 178,79	5	\$ 63,289	\$	42,802 \$	\$ 60,	' 66 \$	6 166,857	\$	29,009 \$	3 39,	276 \$	35,70)4 \$	103,989	\$	516,908	\$	248,706
2	Real Time Regulation Amount	\$	2,799	\$	774	\$	7,903	5 11,476	\$	14,344	\$ 1	1,688 \$	3,	585 \$	29,61	7	\$ (5,179)	\$	29,060 \$	\$	400 \$	24,281	\$	12,697 \$	5 18,	582 \$	10,23	12 \$	41,511	\$	106,884	\$	51,426
3	Regulation Cost Distribution Amount	\$	(23,464)\$	(21,286)	\$ (22,716)	67,465)	\$	(17,430)	\$ (2	:0,697) \$	(14,	889) \$	6 (53,01	5)	\$ (14,143)	\$ (12,660) \$	\$ (12,	361) \$	6 (39,164)	\$	(20,514) \$	6 (22,	874) \$	6 (19,65	i9) \$	(63,047)	\$	(222,692)\$	(107,146)
4	Regulation Subtotal	\$	(11,914)\$	(2,729)	\$	25,918	5 11,275	\$	31,867	\$7	6,525 \$	47,	006 \$	5 155,39	3	\$ 43,967	\$	59,203	\$ 48,	305 \$	5 151,974	\$	21,192 \$	3 4,	984 \$	5 26,27	7\$	82,453	\$	401,100	\$	192,986
5	Day Ahead Short-Term Reserve Amount	\$	5,674	\$	1,479	\$	2,873	\$ 10,026	\$	21,131	\$ 2	6,062 \$	44,	112 \$	91,30	5	\$ 15,349	\$	92,692 \$	\$ 45,	760 \$	\$ 153,801	\$	12,081 \$	\$ 31,	007 \$	5 11,84	9 \$	54,937	\$	310,068	\$	149,187
6	Real Time Short-Term Reserve Amount	\$	585	\$	(152)	\$	27 \$	§ 460	\$	(1,830)	\$	(312) \$		127 \$	6 (2,01	1)	\$ 7,922	\$	(1,722) \$	\$4,	141 \$	5 10,640	\$	(90) \$	5	291 \$	6 (42	26) \$	(224)	\$	8,862	\$	4,264
7	Short-Term Reserve Cost Distribution Amount	\$	(12,371)\$	(1,601)	\$	(2,157)	\$ (16,129)	\$	(8,933)	\$ (2	1,028) \$	(16,	970) \$	6 (46,93	2)	\$ (15,406)	\$ (63,862) \$	\$ (40,	263) \$	6 (119,532)	\$	(22,813) \$	6 (12,	489) \$	6 (5,40	13) \$	(40,705)	\$	(223,298)\$	(107,438)
8	Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	- \$	6 -	\$	-	\$	- \$		- 9	; -		\$ -				\$	i -						\$	-	\$	-	\$	-
9	Short-Term Reserve Subtotal	\$	(6,112)\$	(274)	\$	744	5 (5,643)	\$	10,368	\$	4,722 \$	27,	269 \$	i 42,35	•	\$ 7,864	\$	27,108	\$9,	937 \$	6 44,909	\$	(10,822) \$	5 18,	809 \$	6,02	:1 \$	14,008	\$	95,633	\$	46,013
	Day Ahead Spinning Reserve																																
	Amount Real Time Spinning Reserve Amount	s	2 197		5,833		13,196 \$ 3,393 \$		\$			6,433 \$ 2,013) \$		869 \$					2.059		13 \$		\$	4.263		814 \$ 698 \$	- , -			\$	240,931 38,369		115,922
	Spinning Reserve Cost				,		14,016)		\$ \$	(16,317)		, .		065) \$			\$ (13,511)	Ť	_,	,)58) \$,	\$ \$	(21,026) \$						Ŷ	(192,446		
13	Spinning Reserve Subtotal	\$	(15,358)\$	(8,193)	\$	2,574	6 (20,978)	\$	4,307	\$ 1	5,398 \$	15,	665 \$	35,37	b	\$ 18,485	\$	4,305 \$	\$11,	126 \$	5 33,917	\$	(3,915) \$	5 25,	403 \$	i 17,05	6\$	38,544	\$	86,853	\$	41,789
14	Day Ahead Supplemental Reserve Amount	s	8.249	¢	5.337	s	2.745	6 16,330	\$	5,164	¢ 1	4.582 \$	24	015 \$	43,76		\$ 11,162	¢ .	25.995	12	73 \$	50,930	s	15.348 \$		834 9	5 1.66	i9 \$	25,852	¢	136,873	¢	65,855
14	Real Time Supplemental		-, -		(2,437)		(1,787)		\$ \$			(5,476) \$		835) \$			\$ (1,870)		.,				\$ \$	(3,375) \$		310) \$,	19 9 19) \$		\$			(28,074)
16	Supplemental Reserve Cost Distribution Amount	\$	(2,755)\$	(2,478)	\$	(1,791) \$	6 (7,024)	\$	(1,375)	\$ (2,329) \$	(3,	118) \$	6,82	2)	\$ (1,916)	\$	(3,511) \$	\$ (3,	006) \$	6 (8,433)	\$	(3,688) \$	6 (1,	688) \$	6 (1,63	80) \$	(7,005)	\$	(29,283)\$	(14,089)
17	Supplemental Reserve Subtotal	\$	2,069	\$	422	\$	(833) \$	5 1,658	\$	(111)	\$	6,777 \$	16,	062 \$	22,72	3	\$ 7,376	\$ (51,159) \$	\$ 58,	324 \$	5 14,541	\$	8,285 \$	5 2,	837 \$	6 (80	19) \$	10,313	\$	49,240	\$	23,691
18	Contingency Reserve Deployment Failure Charge Amount	s	-	\$	-	\$	- 5		\$	-	\$	- \$		- 9	; -		\$ -	\$	- 9	5	- 9		\$	- \$	5	- 9	; .	\$	-	\$	-	\$	-
19	Real Time Excessive Deficient Energy Deployment Charge Amount	s	(646) \$	(1,719)	s	(6,940)	6 (9,305)	s	(7,440)	\$ 12	1,027) \$	(3	837) \$	6 (32,30	1)	\$ (3,934)	\$ (15,912) \$	\$ (6.	609) \$	6 (26,455)	s	(1,981) \$	\$ (4	355) \$	6 (1.54	7) \$	(7,883)	\$	(75,948	s	(36,542)
	Net Regulation Adjustment	ş			(1,100)		513		\$	(479)		(6,526) \$		825) \$		·	,		(4,150) \$		006) \$		\$	53 \$		666 \$, .		\$			(10,764)
21	Real Time Miscellaneous	\$		\$	-	\$	- 9	6 -	\$	-	\$	- \$		- \$	-		\$ -	\$	- 9	\$	- \$	i -	\$	- \$	6	- 9	-	\$	-	\$	-	\$	-
	Other Charge Subtotal	\$	121	·	(2,820)		(6,427)		\$	(-,,		7,553) \$		662) \$. , .		\$ (8,929)				615) \$		\$	(1,929) \$		690) \$		6)\$	(7,454)	\$	(98,320		
23	TOTAL	\$	(31,196)\$	(13,593)	\$	21,976	(22,813)	\$	38,511	\$ 7	5,869 \$	99,	340 \$	213,72)	\$ 68,764	\$	19,395	\$117,	577 \$	205,735	\$	12,812 \$	5 78,	344 \$	46,70	8 \$	137,864	\$	534,506	\$	257,174

Summary of 12 ASM Charge Types (MWH)

I	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(L)	(K)	(L)	(M)	(N)	(0)	(P)	(Q)	(R)
Line No.	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
Day Ahead Regulation 1 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
Regulation Cost Distribution 3 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
Day Ahead Short-Term 5 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 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
Short-Term Reserve Cost 7 Distribution Amount Short-Term Reserve	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
Deployment Failure Charge 8 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 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
Day Ahead Spinning Reserve 10 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
Real Time Spinning Reserve 11 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
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
Day Ahead Supplemental 14 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
Real Time Supplemental 15 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
Supplemental Reserve Cost 16 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
Supplemental Reserve	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
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
Real Time Excessive Deficient Energy Deployment Charge 19 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
Net Regulation Adjustment 20 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

	<u>Jan-23</u>	Feb-23	Mar-23	Apr-23	May-23	<u>Jun-23</u>	<u>Jul-23</u>	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	YTD
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

	J	an-23	Feb-23	Ma	ur- <u>23</u>	<u>Apr-23</u>		May-23	Jun-2	23	J	ıl- <u>23</u>	A	Aug-23	<u>s</u>	ep-23		Oct-23		Nov-23		Dec-23		<u>YTD</u>
Avoided Market Purchases due to Hoot Lake Solar Output (Total System)	\$	-	\$ 18,857.55	\$ (8,809.27)	\$ 15,549.0	9\$	45,045.40	\$ 100,2	21.98	\$ 20	07,404.25	\$ 4	148,876.44	\$ 4	07,823.81	\$	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	239,287,16	4	205,760,058	231,34	9,109	221	,646,956	22	21,046,016	22	0,407,377	2	202,832,435	2	227,297,710	2	44,679,004		2,526,272,842
Actual Total System sales - kWh		-	552,289,646	524	,700,322	508,152,66	4	442,834,206	450,00	01,744	450),126,192	44	46,090,671	44	0,438,338	4	425,758,082	4	475,685,936	5	11,614,224		5,227,692,024
MN Sales as % of Total Sales (Line 2 / Line 3)		0.00%	48.00%		47.05%	47.09	%	46.46%	5	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) (Line 4 x Line 1)	\$	-	\$ 9,052	\$	(4,145)	\$ 7,32	2\$	20,930	\$ 5	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) (Line 5 - Line 1)	\$	-	\$ (9,806)	\$	4,665	\$ (8,22	7) \$	(24,115)	\$ (4	8,697)	\$	(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) (Line 6 / Line 4)	\$	-	\$ (20,429)	\$	9,914	\$ (17,47	1) \$	(51,901)	\$ (9	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

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

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) marketrelated 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 was 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.



PUBLIC DOCUMENT – NOT PUBLIC (OR PRIVILEGED) DATA HAS BEED EXCISED Docket No. E017/AA-22-214 Appendix A Section 3 Page 6 of 8



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 Covote 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.

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.

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.

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 jointlyowned 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.

	Fo	orecast 2023 I	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.

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 ARRs if any a utility purchased, how much they paid, and what FTR revenues and costs were received to date for ARRs purchases.

Otter Tail has no activity to report for this item.

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.

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 2012 annual filings.

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.

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 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



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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.

Delotte & Tarche LLP

February 28, 2024

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



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 (<u>https://www.edockets.state.mn.us/efiling</u>). 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.st ate.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@otpco.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.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_15-1033_Official Service List

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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_15-1033_Official Service List
Richard	Johnson	Rick.Johnson@lawmoss.co m	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.co m	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bill	Lachowitzer	blachowitzer@ibewlocal94 9.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.co m	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@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_15-1033_Official Service List

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Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.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.co m	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
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Jason	Decker	jason.decker@llojibwe.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@lawmo ss.com	Moss & Barnett	150 S. 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
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Michael	Fairbanks	Michael.Fairbanks@whitee arth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
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@otpco.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
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	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.or g	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_20-719_Official
Katherine	Hinderlie	katherine.hinderlie@ag.stat e.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.co m	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
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Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	Yes	OFF_SL_20-719_Official
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.co m	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Matthew	Olsen	molsen@otpco.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
David G.	Prazak	dprazak@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service reet	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.co m	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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William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_20-719_Official
Stuart	Tommerdahl	stommerdahl@otpco.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
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 Denver, CO 80202	Electronic Service 200	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
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official

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Kristin	Henry	kristin.henry@sierraclub.or g	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.stat e.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
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Laurie	Williams	laurie.williams@sierraclub. org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste Denver, CO 80202	Electronic Service 200	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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