

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



February 28, 2023

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

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

**RE: In the Matter of Otter Tail Power Company's Petition for Approval of the
Annual Forecasted Rates for its Energy Adjustment Rider, Rate Schedule
13.01
Docket No. E017/AA-21-311**

Dear Mr. Seuffert:

Otter Tail Power Company (Otter Tail) hereby submits to the Minnesota Public Utilities Commission (Commission) its 2021 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 218-739-8279 or at stommerdahl@otpc.com.

Sincerely,

/s/ *STUART TOMMERDAHL*
Stuart Tommerdahl
Manager, Regulatory Economics

vjm
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: February 28, 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-21-311

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 2022.

**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-21-311
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, 2022. 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

A. PRIOR COMMISSION ACTIONS

On December 19, 2017, in Docket No. E999/CI-03-802, the Minnesota Public Utilities Commission (Commission) issued its *Order Approving New Annual Fuel Clause Adjustment Requirements and Setting Filing Requirements (December 2017 Order)* in which the Commission approved the Consumer Advocates¹ proposal to reform the Fuel Clause Adjustment (FCA) process.

On December 12, 2018, the Commission issued its *Order Revising Implementation Date, Establishing Procedural Requirements, and Varying Rule*. The Commission's December 2018 Order made several adjustments to the new FCA process, including an implementation date of January 1, 2020; true-up compliance filings to be filed March 1 of the year following the relevant calendar year; discontinuing monthly automatic adjustment filings; and addressing rule variances.

¹ The Consumer Advocates include the Minnesota Department of Commerce, Division of Energy Resources, the Minnesota Office of the Attorney General, Residential Utilities and Antitrust Division, the Minnesota Chamber of Commerce, and the Minnesota Large Industrial Group.

On March 1, 2019, the Minnesota Department of Commerce, Division of Energy Resources (Department) filed “*Joint Comments of the Electric Utilities and Consumer Advocates*” with the Commission, addressing the four compliance issues from the December 2018 Order and made additional recommendations on reporting requirements, final 2019 true-ups, and tariff changes to reflect the new FCA process.

At its April 25, 2019 meeting, the Commission approved the March 1, 2019, Joint Comments of the Parties.

On May 1, 2019, Otter Tail filed its Initial Petition for Approval of the Annual Forecasted Rates for its Energy Adjustment Rider, Rate Schedule Section 13.01 in Docket No. E017/AA-19-297 in response to decisions rendered by the Commission in Docket No. E999/CI-03-802. The Commission approved Otter Tail’s 2019 EAR Filing in its December 18, 2019, Order Approving 2020 Fuel Forecasts. Otter Tail began implementing its monthly forecasted rates on January 1, 2020.

On June 12, 2019, in Docket No. E999/CI-03-802, the Minnesota Public Utilities Commission (Commission) issued its *Order Approving Additional Details of New Fuel Clause Adjustment Process*. The Commission approved the variances to Minn. R. 7825.2800 through 7825.2840, permitted utilities to provide annual wind curtailment reporting as part of the Annual True-up filing, and adopted the procedural schedule contained in Appendix A of this Order.

As part of the June 12, 2019, Order, Otter Tail was permitted to discontinue reporting the following: Part D, Section 5 (MISO Day 1); Part E, Section 10, Attachment G (UCAP); Part H, Section 6, Attachments N and O (generation deliverability and IRP-related); and Part H, Section 8 (transformers). Otter Tail was ordered to submit one true-up filing for the period of July 1, 2018 - December 31, 2019. This filing was to be submitted no later than January 31, 2020 and was to implement the true-up rate for the period of March 1, 2020 - February 28, 2021, to be added or subtracted from any applicable monthly rates in effect during that period. Any remaining balance after February 28, 2021, was to be incorporated into the annual true ups that would be processed under the new FCA reform mechanism.

On January 30, 2020, Otter Tail filed a compliance report in Docket No. E017/M-03-30 advising the Commission of Otter Tail’s annual true-up for the

July 1, 2018 - December 31, 2019, true-up period,² effective with bills dated March 1, 2020, through February 28, 2021. The compliance report and annual true-up credit of (\$0.0005) per kWh were approved by the Commission in its May 22, 2020, Order.

On May 1, 2020, Otter Tail filed its Initial Petition for Approval of the 2021 Annual Forecasted Rates for its Energy Adjustment Rider, Rate Schedule Section 13.01 in Docket No. E017/AA-20-462 in response to decisions rendered by the Commission in Docket No. E999/CI-03-802. In the December 31, 2020 Order, the Commission authorized Otter Tail to implement its updated 2021 FCA Forecast, based on revised forecasted sales of 4,885,326 MWh, revised forecasted fuel costs of \$102,058,949 and revised net system FCA costs of \$20.891/MWh.³ On October 12, 2020, Otter Tail filed Reply Comments in Docket No. E017/AA-19-297 addressing the Department's letters recommending Otter Tail refund approximately (\$8.4) million for FCA over collection between April – September 2020.⁴ The Commission approved Otter Tail's refund with its November 16, 2020, Order. EAR rates approved for January to June 2021 were reduced by (\$0.0061) per kWh to administer the return of the overcollection to customers.

On February 26, 2021, Otter Tail filed its 2020 True-Up of Energy Adjustment compliance filing seeking approval to refund (\$1,246,144) of estimated remaining over-recoveries from 2020 and Otter Tail's prior year true-up period. Otter Tail proposed a reduction of the September 2021 – August 2022 EAR by a rate of (\$0.0005) per kWh. The Commission approved Otter Tail's compliance filing authorizing the refund over the four-month period of September 1 – December 2021 with a reduction to EAR by a rate of (\$0.0014) per kWh.

On May 1, 2021, Otter Tail filed its Initial Petition for Approval of the 2022 Annual Forecasted Rates for its Energy Adjustment Rider, Rate Schedule Section 13.01 in Docket No. E017/AA-21-311. In the December 2, 2021 Order, the Commission authorized Otter Tail to implement its updated 2022 FCA Forecast, based on forecasted sales of 5,009,474 MWh, forecasted fuel costs of \$104,111,271 and net system FCA costs of \$20.783/MWh.

² This eighteen-month true-up facilitated the transition to the reformed FCA mechanism as approved in Docket No. E999/CI-03-802 June 12, 2019, Order.

³ Otter Tail's August 14, 2020, Reply Comments in Docket No. E017/AA-20-462.

⁴ The July 13, 2020, Order in Docket No. E017/AA-19-297 authorized Otter Tail to refund approximately \$3.6 million overcollection of January – March 2020 fuel cost charges. The July – September 2020 EAR rates were reduced by (\$0.0057) per kWh.

On February 25, 2022, Otter Tail filed its 2021 True-up filing in Docket 20-462 to request recovery of a net under-recovered balance for 2021 and prior periods, of \$700,126. That true-up was approved by the Commission's Order dated July 5, 2022 and the Commission ordered recovery of that balance over the September 2022 to December 2022 timeframe, with an increase in the EAR by a rate of \$0.0008 per kWh.

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 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.

B. THIS FILING REQUESTS RECOVERY OF OTTER TAIL'S REASONABLE AND PRUDENT COSTS FOR 2022

In this filing, Otter Tail submits for approval, its proposed true-up of final FCA costs and collections for calendar year 2022, along with analysis of various factors that contributed to the variances that occurred between forecasted costs for 2022 and actual costs for 2022. Otter Tail will demonstrate that Otter Tail's FCA costs for 2022 were reasonable and prudent give market conditions which existed in 2022.

On a system-wide basis, Otter Tail's actual EAR recoverable costs for 2022 were \$144,347,469 as compared to Otter Tail's forecasted costs for 2022 of \$104,111,271. Note that Otter Tail's actual amounts have been adjusted to include the proposed return of the 2022 portion of MISO Planning Resource Auction (PRA) revenues Otter Tail received from the 2022/2023 planning year auction. Otter Tail also began recovery of the cost of generation plant reagent expenses, as well as the return for revenue from the sale of steam and water from Big Stone Plant to Poet Biorefining through the EAR. These two changes were

effective with the implementation of final rates July 1, 2022, per the Commission's Order in Otter Tail's last rate case.⁵

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 2022 system costs were \$66,169,690. Total collections from customers in 2022 were \$56,761,399, resulting in an under-collection of (\$9,408,291) for the 2022 recovery year. This filing also seeks approval for Otter Tail to collect (\$3,592) of estimated remaining net under-recoveries resulting from Otter Tail's prior year true-up periods.

The total under-recovery balance in this true-up filing for 2022 and prior periods is (\$9,411,883). Otter Tail proposes to collect the 2022 under-recovery balance over a twelve-month period of September 1, 2023 through August 31, 2024, 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

⁵ Docket No. E017/GR-20-719, Commission Order dated February 1, 2022, Order Points 32 and 33.

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

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

Cary Stephenson
Otter Tail Power Company
215 South Cascade Street
P. O. Box 496
Fergus Falls, MN 56538-0496
(218) 739-8956
cstephenson@otpc.com

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

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

Consistent with the filing requirement in Minn. R. 7825.2840, the date of this filing is February 28, 2023. Otter Tail proposes to implement the True-Up rate effective September 1, 2023. 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))

Stuart Tommerdahl
Manager, Regulatory Economics
Otter Tail Power Company
215 South Cascade Street
P. O. Box 496
Fergus Falls, MN 56538-0496
(218) 739-8279
stommerdahl@otpc.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:

Stuart Tommerdahl
Manager
Regulatory Economics
Otter Tail Power Company
215 South Cascade Street
Fergus Falls, MN 56538-0496
(218) 739-8279
stommerdahl@otpc.com

Cary Stephenson
Associate General Counsel
Otter Tail Power Company
215 South Cascade Street
Fergus Falls, MN 56538-0496
(218) 739-8956
cstephenson@otpc.com

Regulatory Filing Coordinator
Otter Tail Power Company
215 South Cascade Street
P.O. Box 496
Fergus Falls, MN 56538-0496
regulatory_filing_coordinators@otpc.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 2022 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 2022; 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 under-collection in 2022 and a remaining under-collection from prior periods, resulting in a net under-collection of (\$9,411,883).

B. KEY RESULTS AND ANALYSIS OVERVIEW

Table 1 below provides key datapoints that provide insight into Otter Tail's FCA actual results for 2022 relative to forecast. As the table indicates, the total actual average cost per MWh was \$25.89 per MWh, approximately 24.6 percent higher than forecast, and total actual costs were \$144,347,469 for 2022, or approximately 38.65 percent over the forecast. Total system sales in 2022 were higher than forecast by about 11.3 percent. Otter Tail's 24.58 percent increase in average cost per MWh was influenced by a significant increase in LMP and associated natural gas market prices in 2022, as well as an increase in overall market purchases due to load growth that occurred in 2022. On-peak LMPs were 99.4 percent higher than forecast, and off-peak LMPs were 90.5 percent higher than forecast. Otter Tail's total Purchase Power Agreements (PPAs) and Market purchases were up 8.3 percent and the overall average cost of market purchases and PPAs 60.80 percent higher than forecast.

Table 1
2022 FCA Summary
(Total System)

	Actual	Forecast	Variance	Variance %
Average Cost Per MWh	\$25.890	\$20.783	\$5.107	24.58%
MWh Sales Subject to COE	5,575,424	5,009,474	565,949	11.30%
Total Cost (Fuel & Purchased Power)	\$144,347,469	\$104,111,271	\$40,236,198	38.65%
Average On-Peak LMP Prices @ OTP.OTP	\$54.48	\$27.32	\$27.16	99.41%
Average Off-Peak LMP Prices @ OTP.OTP	\$37.11	\$19.48	\$17.63	90.50%
MWhs of PPAs and Market Purchases	2,921,421	2,697,570	223,851	8.29%
Total Cost of PPAs and Market Purchases	\$119,095,196	\$68,415,446	\$50,679,750	74.08%
Average Cost of PPAs and Market Purchases	\$40.77	\$25.36	\$15.41	60.80%

A more detailed analysis of actual 2022 FCA recoverable costs in comparison to initial forecasted costs and associated rates from 2022 is included in this filing, including a closer look at some of the key drivers impacting the results. Specifically, the analysis will provide additional data and discussion on the following items:

1. Total Forecast costs for 2022 compared to actual costs.
2. Forecasted kWh sales for 2022 compared to actual kWh sales.
3. Forecasted rates for 2022 compared to actual rates.
4. Forecasted market prices for 2022 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 2022, 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 purchase 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

Summary monthly forecast and actual results for 2022 by month are included in Attachment 2 to this filing. Attachment 3 (marked as Not Public) to this filing includes detailed forecast to actual comparisons for each month of 2022, 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 2022 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. 2022 TOTAL COSTS HIGHER THAN FORECAST

Table 2 below summarizes OTP actual monthly FCA costs for 2022 compared to forecasted costs. As noted earlier, Attachment 2 to this filing provides a further categorical breakdown of forecasted and actual monthly costs for 2022. Further discussion and analysis of these results follows.

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

Month	Actual	Forecast	Variance
January 2022	\$11,036,271	\$10,227,866	\$808,404
February 2022	\$10,681,168	\$10,834,669	(\$153,501)
March 2022	\$10,764,370	\$9,473,628	\$1,290,742
April 2022	\$8,001,479	\$8,303,518	(\$302,039)
May 2022	\$11,216,014	\$7,401,181	\$3,814,833
June 2022	\$14,931,102	\$7,117,994	\$7,813,108
July 2022	\$11,563,597	\$7,886,305	\$3,677,292
August 2022	\$12,002,917	\$8,259,675	\$3,743,242
September 2022	\$11,020,893	\$7,123,672	\$3,897,221
October 2022	\$10,296,892	\$7,514,539	\$2,782,353
November 2022	\$11,241,663	\$8,978,483	\$2,263,180
December 2022	\$21,591,101	\$10,989,740	\$10,601,361
Total	\$144,347,469	\$104,111,271	\$40,236,198

D. 2022 SALES HIGHER THAN FORECAST

Otter Tail's 2022 FCA forecast was developed using the most current sales forecast available at the time of its May 1, 2021, initial filing. For 2022, overall kWh sales were up approximately 11.3 percent relative to forecast as Otter Tail saw material load growth in all jurisdictions across its system in 2022. In addition, weather also played a factor in 2022 to increased sales. Heating degree days (HDD) for 2022 were approximately 112.5 percent⁶ of normal while cooling degree days (CDD) were 113.5 percent of normal in 2022.

Table 3 below shows the actual billed kWh sales compared to forecast for 2022:

Table 3
2022 Monthly kWh Sales
Forecast to Actual Comparison
Total System

Month	Actual	Forecast ⁷	Variance
January 2022	529,048,149	516,873,302	12,174,847
February 2022	521,550,256	471,590,712	49,959,544
March 2022	512,979,140	456,164,950	56,814,190
April 2022	463,532,875	401,011,353	62,521,522
May 2022	451,829,905	370,125,163	81,704,742
June 2022	408,186,786	359,944,884	48,241,902
July 2022	404,127,303	380,025,386	24,101,917
August 2022	425,239,938	377,367,374	47,872,564
September 2022	452,105,540	357,634,608	94,470,932
October 2022	429,364,579	380,642,809	48,721,770
November 2022	459,289,285	440,851,227	18,438,058
December 2022	518,170,378	497,242,562	20,927,816
Total	5,575,424,134	5,009,474,331	565,949,803

⁶ Actual 2022 HDD = 7,122 (112.5% of Normal); Actual 2022 CDD = 531 (113.5% of Normal).

⁷ December 03, 2021, Order in Docket No. E017/AA-21-311.

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 2022 was \$0.025890 per kWh compared to a forecast of \$0.020783 per kWh. Table 4 summarizes the approved forecasted monthly fuel rate per kWh, the actual fuel costs per kWh and the variances. These costs are provided on a monthly and total basis in Attachment 2.

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

Month	Actual	Initial Forecast ⁸	Variance
January 2022	\$0.020861	\$0.019788	\$0.001073
February 2022	\$0.020480	\$0.022975	(\$0.002495)
March 2022	\$0.020984	\$0.020768	\$0.000216
April 2022	\$0.017262	\$0.020706	(\$0.003444)
May 2022	\$0.024824	\$0.019996	\$0.004827
June 2022	\$0.037959	\$0.019775	\$0.018184
July 2022	\$0.030450	\$0.020752	\$0.009698
August 2022	\$0.030212	\$0.021888	\$0.008324
September 2022	\$0.026075	\$0.019919	\$0.006156
October 2022	\$0.025829	\$0.019742	\$0.006087
November 2022	\$0.026147	\$0.020366	\$0.005781
December 2022	\$0.043346	\$0.022101	\$0.021245

Table 4-1 below shows the revised rates that were implemented beginning in September 2022 for the September thru December time-frame following Otter Tail's July 27, 2022 Supplemental filing in this docket.

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

Month	Actual	Revised forecast ⁹	Variance
September 2022	\$0.026075	\$0.022341	\$0.003734
October 2022	\$0.025829	\$0.029491	(\$0.003662)
November 2022	\$0.026147	\$0.027120	(\$0.000973)
December 2022	\$0.043346	\$0.024261	\$0.019085

⁸ December 2, 2021, Order in Docket No. E017/AA-21-311.

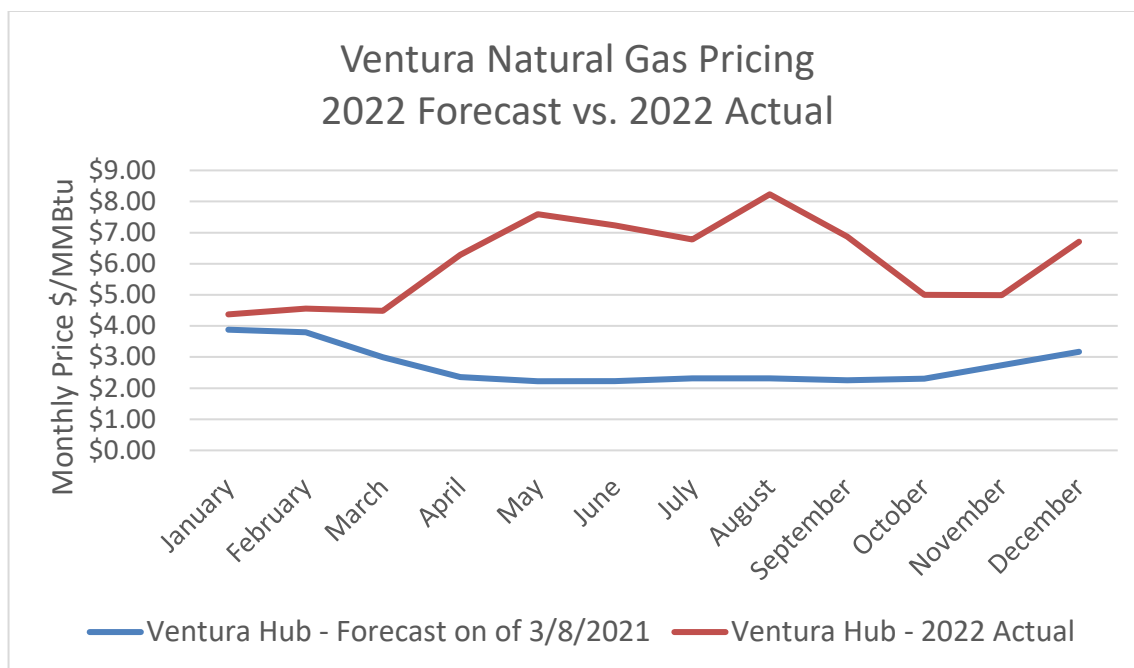
⁹ Otter Tail's Supplement Filing, July 27, 2022.

F. 2022 MARKET PRICES FOR NATURAL GAS AND ENERGY SIGNIFICANTLY HIGHER

1. Natural Gas Prices

Natural gas pricing often drives Mid-Continent Independent System Operator (MISO) Locational Marginal Pricing (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 saw an abnormally high spike in February during Winter Storm Uri that impacted much of the central United States.

Otter Tail's modeling inputs for natural gas in the initial forecast for 2022 was based on prices captured on March 8, 2021. At that time, forward curves projected relatively low, stable natural gas prices for 2022. The graph below compares the 2022 actual average monthly Ventura Hub natural gas prices relative to the forecasted prices from March 8, 2021, 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 stay within a \$2.00 to \$3.00 per MMBtu bandwidth much of the year after the first couple months of the year. However, as illustrated in the graph below, actual natural gas prices increased significantly in 2022, rising to levels not seen since 2008. Contributing factors included weather, domestic economic recovery from the COVID pandemic driving up demands, as well as increased global demands and uncertainty following the events in the Ukraine.



2. LMP Prices

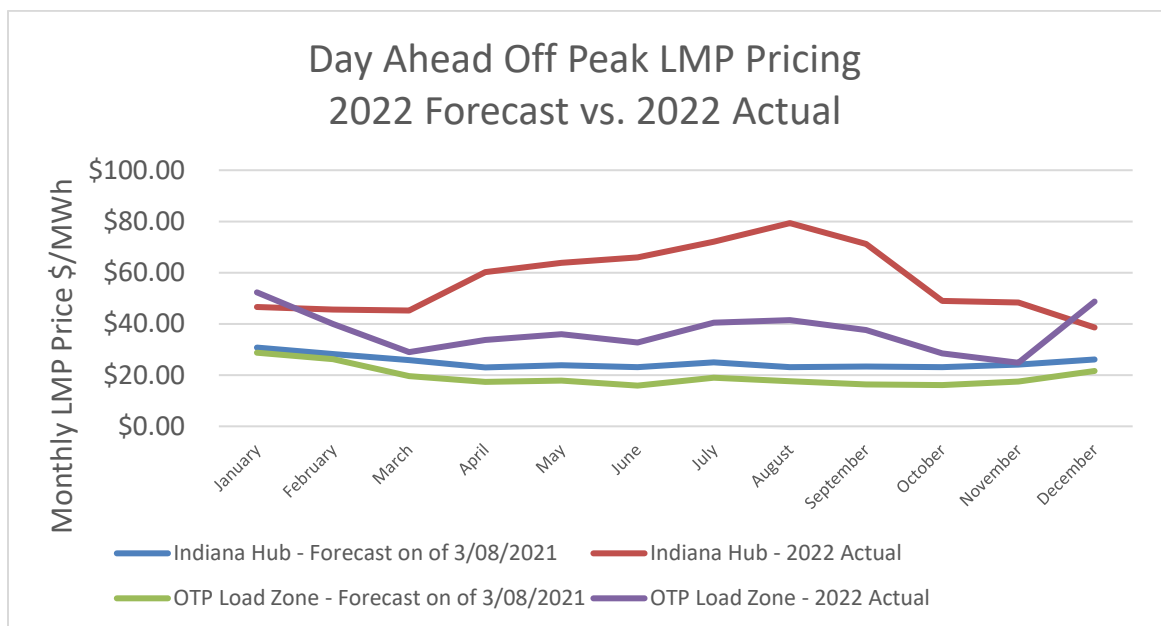
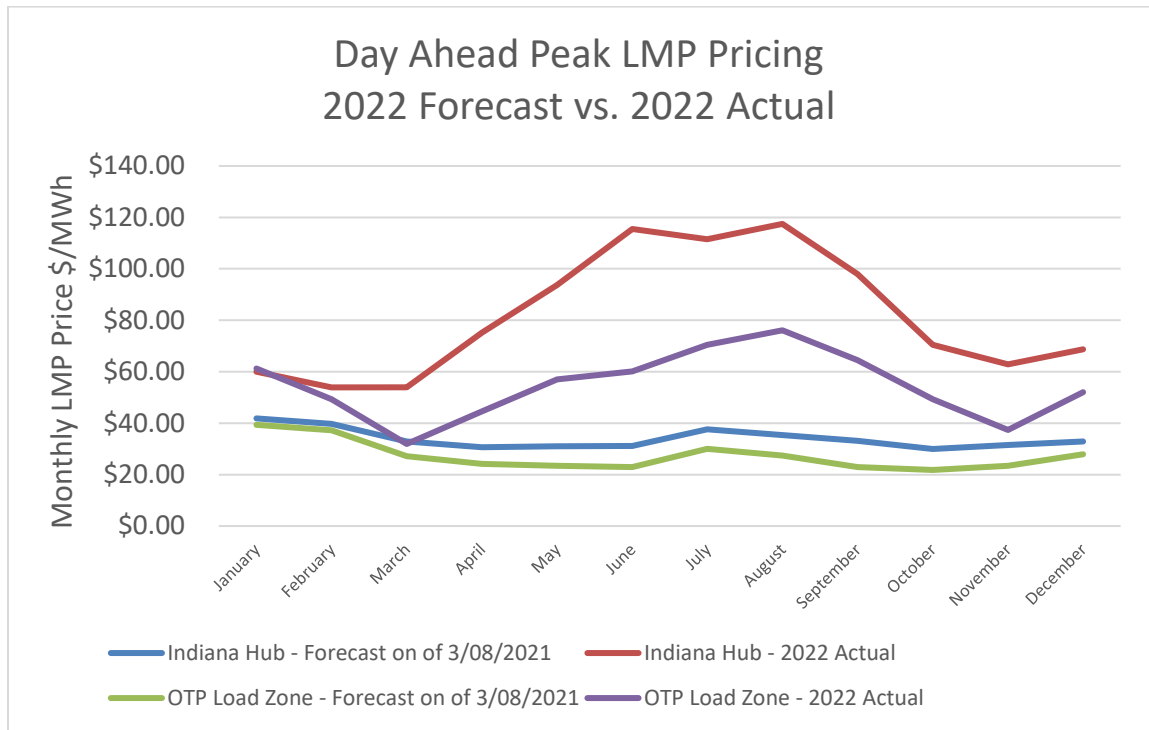
A key input in Otter Tail's Encompass model which was used to develop 2022 forecasted rates is forecasted LMP prices. The model uses these prices to estimate how generating resources will be dispatched based on their respective operating costs to meet forecasted load. When market prices are lower than the fuel costs to generate, the model assumes market purchases will meet load, just like the real market works.

Otter Tail's forecasted 2022 LMP prices 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 2022 Otter Tail forecast utilized the March 8, 2021, Indiana Hub forward price curve.

Actual average on-peak 2022 Indiana Hub pricing, compared to the March 8, 2021, forward Indiana Hub price curve, increased approximately 140.7 percent. Similarly, actual on-peak 2022 Otter Tail load zone pricing, compared to the forecasted March 8, 2021, Otter Tail load zone price curve, increased approximately 99.4 percent. The increase in LMP

pricing is believed to be caused in part by the higher natural gas pricing discussed earlier.

To illustrate, the Indiana Hub and Otter Tail load zone curves, forecast vs actual for peak and off-peak prices, are shown in the graphs below.



Additional discussion on 2022 market conditions is included in Appendix A Section 3 7.C. of this filing.

G. GENERATION OUTPUT

As noted earlier, the Encompass model that Otter Tail used to develop its 2022 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 purchase power agreements (PPAs) or other forward purchases; and 3) forecasted LMP prices from which energy could be acquired 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.

1. Baseload Generation Utilization

Actual baseload generation for 2022 was higher than forecasted amounts for 2022 with actual generation 22.2 percent higher than forecast and associated fuel costs 18.1 percent higher. When LMP prices exceed plant fuel and dispatch costs, those units operate at higher levels, displacing purchases from the market to meet load. Table 5 below summarizes actual baseload generation output and fuel costs for 2022 compared to forecast.

Table 5
2022 Baseload Generation
Forecast to Actual Comparison
(Total System)

Generating Unit	Actual MWhs	Forecast MWhs	Variance	Variance %
Big Stone Plant	1,023,430	711,672	311,758	43.8%
Coyote Station	795,864	776,954	18,910	2.4%
Total Baseload Generation -MWhs	1,819,294	1,488,626	330,668	22.2%
Total Baseload Fuel Costs	\$44,531,997	\$37,702,195	\$6,829,802	18.11%

2. Plant Availability

Big Stone Plant experienced four forced outages in 2022, three of which were tube leak related. 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 through the end of 2022 and into 2023.

Coyote Station had six forced outages in 2022, of which five were related to tube leaks and the sixth was related to a required boiler wash necessary to remove ash build up that impeded gas flow.

A complete listing of 2022 forced outages and the estimated change in energy costs attributable to those outages is listed in Attachment 13 (marked as Not Public) to this filing.

3. Wind Generation

Output from Otter Tail's owned wind generation fleet was approximately (8.7) percent lower than forecasted for 2022. As Table 6 below shows, a majority of the generation variance was attributable to Merricourt Wind's generation output.

Table 6
2022 OTP Owned Wind Generation
Forecast to Actual Comparison
(Total System)

	Actual MWhs	Forecast MWhs	Variance	Variance %
Langdon Wind	136,370	142,278	(5,908)	(4.3%)
Ashtabula Wind	145,669	151,886	(6,217)	(4.3%)
Luverne Wind	176,493	176,808	(315)	(0.18%)
Merricourt Wind	575,653	653,931	(78,278)	(13.5%)
Total Wind	1,034,185	1,124,903	(90,718)	(8.7%)

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

A small percentage of Otter Tail's generation comes from a natural gas peaking units at Solway, MN and Otter Tail's new Astoria Station unit at Astoria, SD; several small oil peaking plants, as well as a small amount of

hydro and small-scale solar generating facilities. Both Solway plant and Astoria Station were dispatched at significantly higher levels than forecast in 2022. These units are dispatched by MISO as needed to meet load needs in their respective geographic areas. Detailed forecast to actual results for all these plants can be found in Attachment 3 (marked as Not Public).

H. MARKET PURCHASES AND PURCHASED POWER AGREEMENTS

Otter Tail had three long-term wind Purchased Power Agreements (PPAs) as part of our overall resource portfolio to serve our load in 2022. Additional energy is procured through shared service agreements and small cog-gen agreements. The majority of Otter Tail's purchased power comes through purchases in the MISO DA and RT markets, and 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 2021 relative to forecast, as well as a summary of the overall forecasted and actual costs.

**Table 7
2022 Purchased Power Summary
Forecast to Actual Comparison
(Total System)**

	Actual	Forecast	Variance	Variance %
Wind PPAs – MWhs	335,159	331,045	4,114	1.25%
Shared Loads/ Small Cogen - MWhs	135,992	132,311	3,681	2.75%
Bilateral and MISO Market purchases – MWhs	2,451,248	2,234,214	217,034	9.7%
Total Purchases - MWhs	2,921,421	2,697,570	223,851	8.3%
Total Purchases - Cost	\$119,095,331	\$68,415,446	\$50,679,885	74.1%
Average Cost per MWh	\$40.77	\$25.36	\$15.40	60.7%

As noted in Table 7 above, Otter Tail's wind PPAs were approximately 1.3 percent more than forecasted levels for 2022. In addition, shared load agreements and small co-gen agreements also supplement Otter Tail's needs. These resources saw a slight increase in output relative to forecast for 2022.

As discussed earlier, market prices were significantly higher in 2022 than what Otter Tail had forecasted when rates were set. Otter Tail also experience significant growth in system sales during 2022. As noted in Table 7, total bilateral and market-based purchases of 2,451,248 MWhs were 9.7 percent higher than the 2,234,214 MWhs forecast in 2022. As a portfolio, overall purchased power of 2,921,421 MWhs was approximately 8.3 percent higher than the 2,697,570 MWhs forecasted amount. Overall costs of purchased power were \$50.7 million higher than forecasted for 2022, accounting for a significant increase in overall costs for 2022. The average cost was \$40.77/MWh compared to the forecasted average cost of \$25.36/MWh for the portfolio of resources summarized in Table 7.

I. 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 SPP¹⁰ 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 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 2022 MISO and SPP Market Charges which, in aggregate, were forecasted to be an expense of approximately \$1.48 million but resulted in a revenue credit of approximately (\$14.4) 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).

¹⁰ Additional background information on Otter Tail load in SPP can be found in Appendix A Section 4 of this filing.

Table 8
2022 MISO and SPP Wholesales Market Charges
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
MISO Market Charges	(\$14,430,995)	\$1,479,146	(\$15,910,141)	(1,075.50%)
SPP Market Charges	(\$3,513,429)	(\$1,283,711)	(\$2,229,718)	173.70%
Total Market Charges	(\$17,944,424)	\$195,435	(\$18,139,859)	(9,280%)

J. 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 2022, Otter Tail realized approximately (\$17.7) million of asset-based sales that offset fuel costs and provided a margin, 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 (\$7.7) million in asset-based sales for 2022. The lower cost of Otter Tail's baseload units allowed them to be dispatched into the market at times when excess generation was available over and above meeting Otter Tail's load. Table 9 below summarizes 2022 Asset based forecast to actual results.

Table 9
2022 Asset Based Sales
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
Fuel Costs of Asset Based Sales	(\$12,303,307)	(\$4,501,599)	(\$7,801,708)	(173.3%)
Margin on Asset Based Sales	(\$5,359,005)	(\$3,173,156)	(\$2,185,849)	(68.9%)
Total Asset Based Sales	(\$17,662,312)	(\$7,674,755)	(\$9,987,557)	(130.1%)

K. 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 LMP prices. These revenues and costs are a small component of the overall FCA costs. ASM revenues were approximately 29.3 percent lower in 2022, while curtailment costs were 454.9% higher than forecast but that forecast was not a material amount. Forecast to actual details can be found in Attachments 2 and 3 for these items.

L. REAGENT EXPENSES AND STEAM AND WATER SALES

In Otter Tail's last general rate case, Otter Tail petitioned to recover generating plant reagent¹¹ expenses for Big Stone Plant and Coyote Station in the EAR because the utilization of those reagents directly correlates with the dispatch of those generating facilities. The Commission approved that request and effective July 1, 2022, with the implementation of final rates, Otter Tail began tracking reagents with all other EAR related costs for recovery. No reagent expenses were included in the forecasted costs when the 2022 EAR rates were developed because Otter Tail's request in the rate case to shift recovery to the EAR was pending.

Total reagent costs incurred from July through December were approximately \$1.36 million as summarized on line 26 of Attachment 2.

In Otter Tail's last general rate case, the Commission also approved Otter Tail's request to include the margins attributable to the sale of steam and water from Otter Tail's Big Stone Plant to Poet Biorefining. This change also became effective July 1, 2022 with the implementation of final rates. No steam or water sales were included in the forecasted costs when the 2022 EAR rates were developed because Otter Tail's request in the rate case to shift recovery to the EAR was pending. Actual net margin attributable steam and water sales from July through December was approximately \$587 thousand as summarized on line 27 of Attachment 2.

M. 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.

¹¹ Reagents are chemicals required to be used to reduce plant emissions. They include pebble lime, powdered activated carbon, and anhydrous ammonia.

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 2022 portion of the 2022/2023 PRA revenues Otter Tail received in 2022, in this true-up. Otter Tail recognizes these revenues offset and reduce the remaining true-up balance for 2022 and supports their inclusion. In total, Otter Tail received \$5,347,776 (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 revenues are received and booked each month.

N. TRUE-UP BALANCE AS OF DECEMBER 31, 2022

Attachment 1 provides the monthly detail of total system sales, total system FCA costs, monthly recovery of costs and remaining true-up balances. The amount of this year’s true-up is an under-recovery of (\$9,411,883) as summarized in Table 10 below. The calculation of the annual true-up charge of \$0.0036 per kWh can be found in Attachment 1.

Table 10
2022 Annual True-Up Rate
MN Share

Line	Item	Amount
1	Total 2022 recovery from forecasted EAR:	\$56,761,399
2	Actual 2022 energy costs (MN Share)	\$66,169,690
3	Over/(Under) Recovery	(\$9,408,291)
4	Estimated True-up balance from 2021	(\$700,126)
5	Amount collected during September 1 – December 31, 2022	\$696,535
6	Total Net Remaining True-up Over/(Under) Recovery (Sum of lines 3-5)	<u>(\$9,411,883)</u>

Line 1 in Table 10 above shows that total collections based on approved rates were approximately \$56.8 million, yielding an under-collection of approximately (\$9.4) million for the 2022 recovery year. This amount does not consider any true ups from prior periods. Line 4 reflects the true-up balance from the 2021 recovery year and line 5 reflects the actual amounts collected against that balance during the September 2022 to December 2022 collection

period. The remaining balance from 2021 of (\$3,592) (net of lines 4 and 5 in Table 10 above) is included in the balance in this true-up.

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

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

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

This annual true-up for 2022 is being filed on or before March 1, 2023. Any remaining balance associated with the prior recovery period annual true-up filing will be 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, 2021. It includes the following:

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

Additional Reporting Requirements

Appendix A Section 3	Passing MISO Day 2 Costs Through Fuel Clause Order in Docket No. E017/M-05-284
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, 2021.

Minn. R. 7825.2830 Annual Five-Year Projection

Otter Tail submitted its Five-Year Projection as part of its 2021 Forecasted FCA rates filing submitted May 1, 2020, in Docket No. E017/AA-20-462.

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 significantly higher than forecasted for 2022 which caused under-collections to occur throughout 2022. Otter Tail proactively updated rates for September – December 2022 in response to materially different market conditions which existed in 2022. This response helped avoid a potentially even higher under-collection balance at year end. Otter Tail's actual costs were reasonable and prudent for 2022 given the significant increase in market prices that occurred and the need to meet and serve the load growth that occurred.

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: February 28, 2023

Respectfully submitted,

OTTER TAIL POWER COMPANY

By: /s/ *STUART TOMMERDAHL*

Stuart Tommerdahl

Manager, Regulatory Economics

Otter Tail Power Company

215 South Cascade Street

P. O. Box 496

Fergus Falls, MN 56538-0496

(218) 739-8279

stommerdahl@otpc.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
Appendix A	Compliance Items (Not Public)
Appendix B	Rule 7825.2820 Independent Auditor’s Report
Appendix C	Rule 7825.2830 Notice of Report Availability

[illegible]

Minnesota COE Calculation

FORECASTED COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Rate Effective month	January-22	February-22	March-22	April-22	May-22	June-22	July-22	August-22	September-22	October-22	November-22	December-22	Year End
2	Based on Period Ending	01/31/22	02/28/22	03/31/22	04/30/22	05/31/22	06/30/22	07/31/22	08/31/22	09/30/22	10/31/22	11/30/22	12/31/22	Total
3	Plant Generation	\$6,337,999	\$5,533,854	\$4,828,867	\$1,803,326	\$2,076,723	\$2,336,825	\$4,569,800	\$4,169,081	\$2,626,425	\$1,898,708	\$2,464,866	\$4,762,783	\$43,409,256
4	Wholesale Market Charges	\$11,534	\$19,845	\$41,243	\$38,887	\$43,107	(\$80,562)	\$13,568	\$12,672	\$26,985	\$18,945	\$23,213	\$25,998	\$195,434
5	Purchased Power	\$7,030,153	\$6,861,680	\$4,790,675	\$6,663,507	\$5,562,753	\$5,011,252	\$4,015,230	\$4,628,036	\$4,710,910	\$5,579,002	\$6,519,177	\$7,043,071	\$68,415,446
6	Wind Curtailment	\$1,979	\$4,039	\$9,714	\$10,643	\$21,634	\$13,608	\$22,244	\$8,118	\$6,442	\$46,446	\$2,310	(\$11,633)	\$135,545
7	Fuel costs of Asset-Based Sales	(\$1,222,345)	(\$914,887)	(\$151,499)	(\$241,927)	(\$298,110)	(\$117,992)	(\$435,483)	(\$365,388)	(\$144,028)	(\$32,910)	(\$406)	(\$576,625)	(\$4,501,599)
8	MISO ASM	(\$48,114)	(\$29,760)	(\$21,743)	(\$27,218)	(\$2,983)	(\$18,787)	(\$55,198)	(\$44,349)	(\$40,770)	(\$10,160)	(\$30,638)	(\$39,935)	(\$369,656)
9	MN Asset-Based Margins	(\$1,883,340)	(\$640,103)	(\$23,629)	\$56,301	(\$1,941)	(\$26,349)	(\$243,856)	(\$148,496)	(\$62,292)	\$14,507	(\$39)	(\$213,919)	(\$3,173,156)
10	Fuel Costs and Purchase Power for System Use	\$10,227,866	\$10,834,669	\$9,473,628	\$8,303,518	\$7,401,181	\$7,117,994	\$7,886,305	\$8,259,675	\$7,123,672	\$7,514,539	\$8,978,483	\$10,989,740	\$104,111,271
11	Energy for System Use (kWh)	516,873,302	471,590,712	456,164,950	401,011,353	370,125,163	359,944,884	380,025,386	377,367,374	357,634,608	380,642,809	440,851,227	497,242,562	5,009,474,331
12	Forecast Cost per kWh Approved December 2021	0.019788	0.022975	0.020768	0.020706	0.019996	0.019775	0.020752	0.021888	0.022341	0.029491	0.027120	0.024261	0.020783
13	Sept 2022 - Dec 2022 True Up Factor Approved July 2022	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000800	0.000800	0.000800	0.000800	
14	EAF Ratios and Service categories changed per July 2022 Approval													
15	EAR Rate With Approved True Up and Refunds	0.019788	0.022975	0.020768	0.020706	0.019996	0.019775	0.020752	0.021888	0.023141	0.030291	0.027920	0.025061	

ACTUAL COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
16	Rate Effective month	January-22	February-22	March-22	April-22	May-22	June-22	July-22	August-22	September-22	October-22	November-22	December-22	Year End
17	Based on Period Ending	01/31/22	02/28/22	03/31/22	04/30/22	05/31/22	06/30/22	07/31/22	08/31/22	09/30/22	10/31/22	11/30/22	12/31/22	Total
18	Plant Generation	\$5,729,768	\$4,685,820	\$4,436,976	\$2,076,262	\$4,252,087	\$8,385,867	\$8,842,734	\$8,933,064	\$7,195,730	\$3,527,280	\$2,945,983	\$3,930,186	\$64,941,756
19	Wholesale Market Charges	(\$3,057,109)	(\$3,138,722)	(\$1,561,280)	(\$1,857,772)	(\$1,833,709)	\$343,674	\$308,003	\$1,324,674	\$723,687	(\$1,398,781)	(\$2,147,178)	(\$2,136,482)	(\$14,430,995)
20	SPP Charges	(\$10,722)	\$1,034	(\$300,968)	(\$302,120)	(\$425,667)	(\$636,511)	(\$339,239)	(\$358,369)	(\$265,070)	(\$248,082)	(\$206,713)	(\$421,003)	(\$3,513,429)
21	Purchased Power (1)	\$9,274,621	\$10,051,854	\$8,816,618	\$8,874,972	\$10,467,243	\$8,482,159	\$5,073,340	\$5,580,590	\$6,337,529	\$9,608,283	\$11,818,168	\$24,709,953	\$119,095,331
22	Wind Curtailment	(\$37,653)	\$569	\$37,639	\$33,658	\$132,416	\$216,985	\$193,319	(\$141,333)	(\$3,710)	\$183,104	(\$11,039)	\$148,176	\$752,133
23	Fuel costs of Asset-Based Sales	(\$677,056)	(\$667,553)	(\$512,607)	(\$586,775)	(\$1,125,329)	(\$1,227,509)	(\$1,217,323)	(\$2,099,622)	(\$2,030,561)	(\$537,746)	(\$369,386)	(\$1,251,840)	(\$12,303,307)
24	MISO ASM	(\$32,037)	(\$70,465)	(\$34,614)	(\$57,967)	(\$43,624)	(\$71,790)	(\$135,221)	\$6,432	(\$87,304)	\$16,765	\$9,536	\$238,859	(\$261,428)
25	MN Asset-Based Margins	(\$153,542)	(\$181,369)	(\$117,395)	(\$178,780)	(\$207,404)	\$1,604	(\$605,417)	(\$607,372)	(\$270,590)	(\$140,652)	(\$79,493)	(\$2,818,596)	(\$5,359,005)
26	Steam Plant Reagents	\$0	\$0	\$0	\$0	\$0	\$0	\$329,838	\$383,246	\$324,709	\$135,939	\$96,219	\$91,376	\$1,361,326
27	Steam / Water Sales: Net Margin	\$0	\$0	\$0	\$0	\$0	\$0	(\$144,470)	(\$174,087)	(\$135,976)	(\$56,084)	(\$46,882)	(\$29,637)	(\$587,138)
28	Planning Resource Auction Revenues	\$0	\$0	\$0	\$0	\$0	(\$563,377)	(\$741,966)	(\$844,306)	(\$767,551)	(\$793,136)	(\$767,551)	(\$869,891)	(\$5,347,776)
29	Fuel Costs and Purchase Power for System Use	\$11,036,271	\$10,681,168	\$10,764,370	\$8,001,479	\$11,216,014	\$14,931,101	\$11,563,598	\$12,002,918	\$11,020,893	\$10,296,892	\$11,241,663	\$21,591,101	\$144,347,469
30	Energy for System Use (kWh)	529,048,149	521,550,256	512,979,140	463,532,875	451,829,905	408,186,786	404,127,303	425,239,938	452,105,540	429,364,579	459,289,285	518,170,378	5,575,424,134
31	Actual Cost per kWh	0.020861	0.020480	0.020984	0.017262	0.024824	0.036579	0.028614	0.028226	0.024377	0.023982	0.024476	0.041668	0.025890

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

January 2022 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	January 2022 Forecast	January 2022 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6	Total Coal	\$ 5,006,291	\$ 3,975,429	\$ (1,030,862)	-20.59%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20						
21	Total Oil - Peaking Units	\$ -	\$ 42,744	\$ 42,744	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26	Total Natural Gas	\$ 1,331,709	\$ 1,711,595	\$ 379,886	28.53%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30						
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 6,337,999	\$ 5,729,768	\$ (608,231)	-9.60%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (160,383)	\$ (420,503)	\$ (260,120)	162.19%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 436,396	\$ 1,094,477	\$ 658,081	150.80%	
44	RT Loss Amount	\$ 19,736	\$ 54,631	\$ 34,895	176.80%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 87,800	\$ 67,979	\$ (19,821)	-22.58%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 8,352	\$ 9,153	\$ 801	9.59%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,274	\$ 2,282	\$ 7	0.32%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 246,895	\$ 7,899,138	\$ 7,652,243	3099.39%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 26,165	\$ 171,789	\$ 145,624	556.57%	
56	555.14 FTR Hourly Allocation Amount	\$ (437,112)	\$ (11,356,006)	\$ (10,918,894)	2497.96%	
57	555.15 FTR Monthly Allocation Amount	\$ (24,656)	\$ (300,507)	\$ (275,850)	1118.77%	
58	555.17 FTR Yearly Allocation Amount	\$ (26,085)	\$ (531,221)	\$ (505,137)	1936.53%	
59	555.35 FTR Monthly Transaction Amount	\$ (18,202)	\$ -	\$ 18,202	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (11,730)	\$ 610,148	\$ 621,878	-5301.41%	
61	555.37 FTR Guarantee Uplift Amount	\$ 26,840	\$ (655,076)	\$ (681,916)	-2540.68%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (317,882)	\$ (1,483,006)	\$ (1,165,125)	366.53%	
63	555.38 FTR Annual Transaction Amount	\$ 315,506	\$ 1,480,185	\$ 1,164,679	369.15%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,399	\$ 7,376	\$ 3,977	117.00%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (27,546)	\$ (66,453)	\$ (38,907)	141.24%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 9,843	\$ 16,894	\$ 7,051	71.64%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (997)	\$ -	\$ 997	-100.00%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 41,736	\$ 22,661	118.80%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (37,176)	\$ (21,240)	133.28%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 66,696	\$ 19,199	40.42%	
73	555.25 RT Misc Amount	\$ 12,002	\$ 2,187	\$ (9,815)	-81.78%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ (5,614)	\$ (6,459)	-764.19%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 19,222	\$ 9,966	107.66%	
77	555.63 DA Ramp Product	\$ (863)	\$ (3,503)	\$ (2,640)	305.92%	
78	555.64 RT Ramp Product	\$ (215)	\$ (1,018)	\$ (803)	373.26%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 8,471	\$ (2,333)	-21.59%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Sched	\$ -	\$ 330,026	\$ 330,026	0	
87						
88	Total MISO Wholesale Market Charges	\$ 134,859	\$ (3,057,109)	\$ (3,191,968)	-2366.89%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ (114)	\$ (349)	-148.53%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ (90)	\$ (112)	-508.80%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ (12)	\$ (27)	-179.86%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ (21)	\$ (48)	-175.31%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ (36)	\$ (65)	-223.15%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ (3)	\$ (6)	-172.05%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (10,308)	\$ (25,055)	\$ (14,747)	143.06%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 1	-235.53%	
106	555.13 RT Regulation-Non-Performance Distribution Amount	\$ (0)	\$ 3	\$ 4	-1126.29%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ 21	\$ 21	-3332.52%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ 14	\$ 14	-32274.26%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (4)	\$ (4)	75592.31%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (89,947)	\$ 4,240	\$ 94,187	-104.71%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (23,431)	\$ 10,398	\$ 33,829	-144.38%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ (32)	\$ (27)	542.91%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ (3)	\$ (7)	-194.84%	

116	555.30	RT Schedule 1A4 Amount	\$ 18	\$ (17)	\$ (35)	-192.27%	
117	555.31	DA Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 14	\$ (11)	\$ (25)	-183.75%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ 1	\$ 1	-5200.00%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
125		Total SPP Wholesale Market Charges	\$ (123,325)	\$ (10,722)	\$ 112,603	-91.31%	
126							
127		MISO ASM					
128		Day Ahead Regulation Amount	\$ (79,951)	\$ (20,689)	\$ 59,263	-74.12%	
129		Real Time Regulation Amount	\$ 22,084	\$ 3,020	\$ (19,064)	-86.32%	
130		Regulation Cost Distribution Amount	\$ 15,559	\$ 19,479	\$ 3,919	25.19%	
131		Day Ahead Short-Term Reserve Amount	\$ -	\$ (24,744)	\$ (24,744)	0	
132		Real Time Short-Term Reserve Amount	\$ -	\$ (1,424)	\$ (1,424)	0	
133		Short-Term Reserve Cost Distribution Amount	\$ -	\$ 9,798	\$ 9,798	0	
134		Day Ahead Spinning Reserve Amount	\$ (13,168)	\$ (36,556)	\$ (23,388)	177.62%	
135		Real Time Spinning Reserve Amount	\$ (3,562)	\$ 8,504	\$ 12,066	-338.71%	
136		Spinning Reserve Cost Distribution Amount	\$ 8,281	\$ 13,698	\$ 5,407	65.30%	
137		Day Ahead Supplemental Reserve Amount	\$ (5,408)	\$ (13,193)	\$ (7,786)	143.98%	
138		Real Time Supplemental Reserve Amount	\$ 2,047	\$ 6,746	\$ 4,698	229.47%	
139		Supplemental Reserve Cost Distribution Amount	\$ 1,755	\$ 2,450	\$ 695	39.58%	
140		Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,572	\$ 2,014	\$ (558)	-21.70%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
143		Net Regulation Adjustment Amount	\$ 1,676	\$ (1,128)	\$ (2,805)	-167.31%	
144		Total MISO ASM	\$ (48,114)	\$ (32,037)	\$ 16,077	-33.41%	
145							
146		Total Wholesale Market Charges	\$ (36,581)	\$ (3,099,868)	\$ (3,063,287)	8374.06%	
147							
148							
149		Purchased Power					
150			[PROTECTED DATA BEGINS...]				
151		Edgeley PPA					
152		Langdon PPA					
153		Ashtabula III PPA					
154		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance					
156		Shared Loads					
157		Small Co-gen					
158		Bilateral purchases					
159		Market Purchases					MISO and SPP Energy
160							
161		Total Purchases	\$ 7,030,153	\$ 9,274,621	\$ 2,244,468	31.93%	Tribal (WAPA) excluded from Total
162							
163		Wind Curtailment	\$ 1,979	\$ (37,653)	\$ (39,632)	-2002.63%	
164							
165		Asset Based Sales	\$ 3,105,685	\$ 830,598	\$ (2,275,087)	-73.26%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$ 1,222,345	\$ 677,056	\$ (545,289)	-44.61%	
167		Asset Based Margins	\$ 1,883,340	\$ 153,542	\$ (1,729,798)	-91.85%	
168							
169		Steam Plant Reagents	\$ -	\$ -	\$ -	0	Effective July 2022 - Docket No. E017/GR-20-719
170							
171		Steam/Water Sales	\$ -	\$ -	\$ -	0	Effective July 2022 - Docket No. E017/GR-20-719
172							
173		Planning Resource Auction Revenues	\$ -	\$ -	\$ -	0	Effective June 2022
174							
175		Total System - Plant Level	\$ 10,227,866	\$ 11,036,271	\$ 808,404	7.90%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

January 2022 Forecast to Actual - MWH					
Line	Plant Generation	January 2022 Forecast	January 2022 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				
4	Hoot Lake #3				Hoot Lake Plant Closed in May 2021
5					
6	Total Coal	223,010	195,440		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12					
13	Total Wind	112,841	93,466		
14					
15	Total Hydro	1,699	487		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20					
21	Total Oil - Peaking Units	-	36		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25					
26	Total Natural Gas	36,504	35,540		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30					
31	Total Solar	-	1		
32					
33	Total OTP-Owned	374,054	324,971		
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount**	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.07 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 4B Cost Distribution Amount	N/A	N/A		
80	555.65 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount**	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	228,267	235,818	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	60	(1,178)	
164					
165		Asset Based Sales	50,050	22,411	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	552,331	537,201	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04

Total OTP-Owned 374,054
Total Purchases - Tribal Excluded 228,267
Asset Based Sales (50,050)

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05

Wind Curtailment 60
552,331

		January 2022 Forecast to Actual - \$ per MWh		Notes
		January 2022 Forecast	January 2022 Actual	
Line	Plant Generation	(PROTECTED DATA BEGINS...		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5				
6	Total Coal	\$ 22.45	\$ 20.34	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS]		
26	Total Natural Gas	\$ 36.48	\$ 48.16	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 58.93	\$ 68.50	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	\$ 30.80	\$ 39.33	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 31.96	
164					
165		Asset Based Sales	\$ 62.05	\$ 37.06	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 18.52	\$ 20.54	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

February 2022 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	February 2022 Forecast	February 2022 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6	Total Coal	\$ 4,621,069	\$ 3,829,690	\$ (791,379)	-17.13%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20						
21	Total Oil - Peaking Units	\$ -	\$ 3,694	\$ 3,694	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26	Total Natural Gas	\$ 912,785	\$ 852,436	\$ (60,349)	-6.61%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30						
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 5,533,854	\$ 4,685,820	\$ (848,034)	-15.32%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (146,365)	\$ (434,740)	\$ (288,376)	197.03%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 398,253	\$ 889,276	\$ 491,022	123.29%	
44	RT Loss Amount	\$ 18,011	\$ 112,165	\$ 94,153	522.75%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 76,448	\$ 49,850	\$ (26,598)	-34.79%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 8,395	\$ 7,701	\$ (694)	-8.27%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,075	\$ 1,659	\$ (416)	-20.06%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 225,315	\$ 4,357,440	\$ 4,132,125	1833.93%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 23,878	\$ (206,719)	\$ (230,596)	-965.73%	
56	555.14 FTR Hourly Allocation Amount	\$ (398,907)	\$ (7,828,050)	\$ (7,429,143)	1862.38%	
57	555.15 FTR Monthly Allocation Amount	\$ (22,501)	\$ (226,918)	\$ (204,416)	908.46%	
58	555.17 FTR Yearly Allocation Amount	\$ (0)	\$ -	\$ 0	-100.00%	
59	555.35 FTR Monthly Transaction Amount	\$ (16,611)	\$ -	\$ 16,611	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (12,040)	\$ (43,310)	\$ (31,271)	259.73%	
61	555.37 FTR Guarantee Uplift Amount	\$ 9,291	\$ 43,310	\$ 34,019	366.14%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (317,882)	\$ (1,483,006)	\$ (1,165,125)	366.53%	
63	555.38 FTR Annual Transaction Amount	\$ 315,506	\$ 1,480,185	\$ 1,164,679	369.15%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,399	\$ 7,376	\$ 3,977	117.00%	
65	555.41 FTR Auction Revenue Rights State 2 Distribution Amount	\$ (27,546)	\$ (66,453)	\$ (38,907)	141.24%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 10,237	\$ 15,052	\$ 4,814	47.03%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (4,578)	\$ (3,192)	\$ 1,386	-30.28%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 24,160	\$ 5,085	26.66%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (31,181)	\$ (15,245)	95.67%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 103,667	\$ 56,170	118.26%	
73	555.25 RT Misc Amount	\$ 12,002	\$ (2,072)	\$ (14,074)	-117.26%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ (3,084)	\$ (3,930)	-464.90%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 36,027	\$ 26,770	289.22%	
77	555.63 DA Ramp Product	\$ (826)	\$ (4,118)	\$ (3,292)	398.68%	
78	555.64 RT Ramp Product	\$ (27)	\$ (897)	\$ (870)	3238.28%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 7,185	\$ (3,619)	-33.49%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Scheduling	\$ -	\$ 119,177	\$ 119,177	0	
87						
88	Total MISO Wholesale Market Charges	\$ 132,360	\$ (3,138,722)	\$ (3,271,082)	-2471.35%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ 1	\$ (234)	-99.46%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ 2	\$ (20)	-90.73%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ 0	\$ (15)	-99.15%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ 0	\$ (27)	-98.82%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ 0	\$ (29)	-98.77%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ -	\$ (4)	-100.00%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (9,407)	\$ (22,768)	\$ (13,361)	142.03%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (82,086)	\$ 43,022	\$ 125,108	-152.41%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (21,383)	\$ (19,016)	\$ 2,367	-11.07%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ (208)	\$ (203)	4040.00%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ 0	\$ (3)	-98.28%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	0	\$	(18)	-98.30%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	(0)	\$	(14)	-100.58%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)	\$	-	\$	0	-100.00%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	1,034	\$	124,360	-100.84%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(62,913)	\$	(24,408)	\$	38,505	-61.20%	
129		Real Time Regulation Amount	\$	6,681	\$	(27,037)	\$	(33,718)	-504.65%	
130		Regulation Cost Distribution Amount	\$	24,015	\$	20,115	\$	(3,900)	-16.24%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(28,534)	\$	(28,534)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	1,005	\$	1,005	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	10,050	\$	10,050	0	
134		Day Ahead Spinning Reserve Amount	\$	(17,599)	\$	(41,348)	\$	(23,750)	134.95%	
135		Real Time Spinning Reserve Amount	\$	2,744	\$	3,571	\$	827	30.14%	
136		Spinning Reserve Cost Distribution Amount	\$	19,128	\$	14,199	\$	(4,929)	-25.77%	
137		Day Ahead Supplemental Reserve Amount	\$	(16,023)	\$	(11,490)	\$	4,533	-28.29%	
138		Real Time Supplemental Reserve Amount	\$	4,040	\$	4,442	\$	402	9.95%	
139		Supplemental Reserve Cost Distribution Amount	\$	5,918	\$	2,291	\$	(3,626)	-61.28%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	2,560	\$	(12)	-0.48%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	4,118	\$	2,442	145.66%	
144		Total MISO ASM	\$	(29,760)	\$	(70,465)	\$	(40,706)	136.78%	
145										
146		Total Wholesale Market Charges	\$	(9,914)	\$	(3,208,153)	\$	(3,198,238)	32258.49%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	6,861,680	\$	10,051,854	\$	3,190,173	46.49%	Tribal (WAPA) excluded from Total
162										
163		Wind Curtailment	\$	4,039	\$	569	\$	(3,470)	-85.90%	
164										
165		Asset Based Sales	\$	1,554,991	\$	848,922	\$	(706,068)	-45.41%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	914,887	\$	667,553	\$	(247,334)	-27.03%	
167		Asset Based Margins	\$	640,103	\$	181,369	\$	(458,734)	-71.67%	
168										
169		Steam Plant Reagents	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	-	\$	-	0	Effective June 2022
174										
175		Total System - Plant Level	\$	10,834,669	\$	10,681,168	\$	(153,501)	-1.42%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

February 2022 Forecast to Actual - MWH					
			February 2022 Forecast	February 2022 Actual	Notes
Line	Plant Generation		[PROTECTED DATA BEGINS...]		
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5			...PROTECTED DATA ENDS]		
6					
7		Total Coal	200,472	160,702	
8			[PROTECTED DATA BEGINS...]		
9	Langdon Wind				
10	Ashtabula Wind				
11	Luverne Wind				
12	Merricourt				
13		Total Wind	105,026	75,924	
14			...PROTECTED DATA ENDS]		
15		Total Hydro	1,534	447	
16			[PROTECTED DATA BEGINS...]		
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20			...PROTECTED DATA ENDS]		
21		Total Oil - Peaking Units	-	-	
22			[PROTECTED DATA BEGINS...]		
23	Natural gas - Solway				
24	Natural gas - Astoria				
25			...PROTECTED DATA ENDS]		
26		Total Natural Gas	25,047	16,397	
27			[PROTECTED DATA BEGINS...]		
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30			...PROTECTED DATA ENDS]		
31		Total Solar	-	10	
32			...PROTECTED DATA ENDS]		
33		Total OTP-Owned	332,079	253,479	
34			...PROTECTED DATA ENDS]		
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount***	N/A	N/A	
38	555.04	DA FBT Loss Amount	N/A	N/A	
39	555.09	DA Non-asset Energy Amount***	N/A	N/A	
40	555.19	RT Asset Energy Amount***	N/A	N/A	
41	555.24	RT Distribution of Losses Amount	N/A	N/A	
42	555.21	RT FBT Loss Amount	N/A	N/A	
43		DA Loss Amount	N/A	N/A	
44		RT Loss Amount	N/A	N/A	
45	555.26	RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08	DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12	DA Virtual Energy Amount	N/A	N/A	
48	555.32	RT Virtual Energy Amount	N/A	N/A	
49	555.01	DA Mkt Admin Amount	N/A	N/A	
50	555.18	RT Mkt Admin Amount	N/A	N/A	
51	555.13	FTR Mkt Admin Amount	N/A	N/A	
52	555.03	DA FBT Congestion Amount	N/A	N/A	
53		DA Congestion	N/A	N/A	
54	555.2	RT FBT Congestion Amount	N/A	N/A	
55		RT Congestion	N/A	N/A	
56	555.14	FTR Hourly Allocation Amount	N/A	N/A	
57	555.15	FTR Monthly Allocation Amount	N/A	N/A	
58	555.17	FTR Yearly Allocation Amount	N/A	N/A	
59	555.35	FTR Monthly Transaction Amount	N/A	N/A	
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38	FTR Annual Transaction Amount	N/A	N/A	
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25	RT Misc Amount	N/A	N/A	
74	555.27	RT Net Inadvertent Amount	N/A	N/A	
75	555.31	RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63	DA Ramp Product	N/A	N/A	
78	555.64	RT Ramp Product	N/A	N/A	
79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05	DA Congestion Rebate on COGA	N/A	N/A	
83	555.06	DA Losses Rebate on COGA	N/A	N/A	
84	555.22	RT Congestion Rebate on COGA	N/A	N/A	
85	555.23	RT Loss Rebate on COGA	N/A	N/A	
86		Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A	
87					
88		Total MISO Wholesale Market Charges			
89					
90	SPP Wholesale Market Charges				
91	555.19	DA Asset Energy Amount***	N/A	N/A	
92	555.03	DA Non-asset Energy Amount	N/A	N/A	
93	555.09	RT Asset Energy Amount***	N/A	N/A	
94	555	RT Non-Asset Energy Amount	N/A	N/A	
95	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21	RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23	Miscellaneous Amount	N/A	N/A	
113	555.26	ARR Closeout Yearly Amount	N/A	N/A	
114	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29	RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	209,223	242,489	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	122	20	
164					
165		Asset Based Sales	37,284	21,867	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	504,140	474,121	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned
Total Purchases - Tribal Excluded
(Asset Based Sales)
Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment

332,079
209,223
(37,284)
122
504,140

February 2022 Forecast to Actual - \$ per MWh					
		February 2022 Forecast	February 2022 Actual		
Line	Plant Generation	(PROTECTED DATA BEGINS...		Notes	
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS)			
6	Total Coal	\$ 23.05	\$ 23.83		
7		(PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS)			
13	Total Wind	\$ -	\$ -		
14					
15	Total Hydro	\$ -	\$ -		
16		(PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...PROTECTED DATA ENDS)			
21	Total Oil - Peaking Units	\$ -	\$ -		
22		(PROTECTED DATA BEGINS...			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...PROTECTED DATA ENDS)			
26	Total Natural Gas	\$ 36.44	\$ 51.99		
27		(PROTECTED DATA BEGINS...			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...PROTECTED DATA ENDS)			
31	Total Solar	\$ -	\$ -		
32					
33	Total OTP-Owned	\$ 59.49	\$ 75.82		
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	DA Loss Amount	N/A	N/A		
44	RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	\$ 32.80	\$ 41.45	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 28.16	
164					
165		Asset Based Sales	\$ 41.71	\$ 38.82	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 21.49	\$ 22.53	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

March 2022 Forecast to Actual - Expense (Revenue)						
	March 2022 Forecast	March 2022 Actual				Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS		
6	Total Coal	\$ 4,718,566	\$ 4,223,964	\$ (494,602)	-10.48%	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12				...PROTECTED DATA ENDS		
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20				...PROTECTED DATA ENDS		
21	Total Oil - Peaking Units	\$ -	\$ 8,240	\$ 8,240	0	
22		[PROTECTED DATA BEGINS...				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25				...PROTECTED DATA ENDS		
26	Total Natural Gas	\$ 110,300	\$ 204,772	\$ 94,472	85.65%	
27		[PROTECTED DATA BEGINS...				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30				...PROTECTED DATA ENDS		
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 4,828,867	\$ 4,436,976	\$ (391,891)	-8.12%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (141,524)	\$ (408,518)	\$ (266,994)	188.66%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 385,084	\$ 942,775	\$ 557,692	144.82%	
44	RT Loss Amount	\$ 17,416	\$ 163,246	\$ 145,830	837.35%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 67,876	\$ 69,855	\$ 1,979	2.92%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 6,227	\$ 7,997	\$ 1,770	28.43%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,792	\$ 1,767	\$ (1,026)	-36.73%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 217,865	\$ 2,097,148	\$ 1,879,284	862.58%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 23,088	\$ 362,096	\$ 339,007	1468.31%	
56	555.14 FTR Hourly Allocation Amount	\$ (385,715)	\$ (4,549,226)	\$ (4,163,511)	1079.43%	
57	555.15 FTR Monthly Allocation Amount	\$ (21,757)	\$ (189,557)	\$ (167,800)	771.23%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (16,062)	\$ -	\$ 16,062	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ 3,493	\$ 106,215	\$ 102,722	2941.16%	
61	555.37 FTR Guarantee Uplift Amount	\$ (3,494)	\$ (104,295)	\$ (100,801)	2885.12%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (1,614,945)	\$ (1,433,360)	789.36%	
63	555.38 FTR Annual Transaction Amount	\$ 181,557	\$ 1,611,883	\$ 1,430,326	787.81%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 16,762	\$ 12,552	298.14%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (53,696)	\$ (35,718)	198.79%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ (0)	\$ -	\$ -	-100.00%	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 10,148	\$ 16,260	\$ 6,112	60.23%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ (253)	\$ (253)	0	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 10,354	\$ (8,721)	-45.72%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (26,085)	\$ (10,149)	63.69%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 144,785	\$ 97,288	204.83%	
73	555.25 RT Misc Amount	\$ 12,002	\$ 1,055	\$ (10,947)	-91.21%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ (3,084)	\$ (3,929)	-464.82%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 16,770	\$ 7,514	81.18%	
77	555.63 DA Ramp Product	\$ (636)	\$ (7,703)	\$ (7,067)	1111.33%	
78	555.64 RT Ramp Product	\$ 155	\$ (1,832)	\$ (1,988)	-1279.73%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 10,145	\$ (659)	-6.10%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ (101,589)	\$ (101,589)	0	
87						
88	Total MISO Wholesale Market Charges	\$ 150,025	\$ (1,561,280)	\$ (1,711,306)	-1140.68%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ 0	\$ (235)	-99.98%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ (0)	\$ (22)	-100.50%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ -	\$ (15)	-100.00%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ (0)	\$ (27)	-100.11%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ (0)	\$ (29)	-100.07%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ -	\$ (4)	-100.00%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (9,096)	\$ (17,836)	\$ (8,740)	96.08%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (79,371)	\$ (262,957)	\$ (183,586)	231.30%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (20,676)	\$ (20,174)	\$ 501	-2.43%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ (0)	\$ (4)	-100.29%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	(0)	\$	(18)	-100.11%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	-	\$	(14)	-100.00%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(300,968)	\$	(177,642)	144.04%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(49,082)	\$	(37,404)	\$	11,678	-23.79%	
129		Real Time Regulation Amount	\$	8,075	\$	1,448	\$	(6,627)	-82.06%	
130		Regulation Cost Distribution Amount	\$	16,682	\$	22,460	\$	5,778	34.64%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(14,230)	\$	(14,230)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	375	\$	375	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	7,568	\$	7,568	0	
134		Day Ahead Spinning Reserve Amount	\$	(12,325)	\$	(40,575)	\$	(28,250)	229.21%	
135		Real Time Spinning Reserve Amount	\$	(1,051)	\$	7,006	\$	8,057	-766.52%	
136		Spinning Reserve Cost Distribution Amount	\$	12,675	\$	20,834	\$	8,159	64.38%	
137		Day Ahead Supplemental Reserve Amount	\$	(7,115)	\$	(8,778)	\$	(1,663)	23.37%	
138		Real Time Supplemental Reserve Amount	\$	2,748	\$	2,552	\$	(195)	-7.11%	
139		Supplemental Reserve Cost Distribution Amount	\$	3,402	\$	1,679	\$	(1,723)	-50.66%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	1,786	\$	(786)	-30.55%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	664	\$	(1,012)	-60.37%	
144		Total MISO ASM	\$	(21,743)	\$	(34,614)	\$	(12,870)	59.19%	
145										
146		Total Wholesale Market Charges	\$	19,500	\$	(1,896,862)	\$	(1,916,362)	-9827.54%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	4,790,675	\$	8,816,618	\$	4,025,944	84.04%	Tribal (WAPA) excluded from Total
162			\$	9,714	\$	37,639	\$	27,925	287.46%	
163		Wind Curtailment	\$	9,714	\$	37,639	\$	27,925	287.46%	
164										
165		Asset Based Sales	\$	175,127	\$	630,002	\$	454,875	259.74%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	151,499	\$	512,607	\$	361,108	238.36%	
167		Asset Based Margins	\$	23,629	\$	117,395	\$	93,766	396.83%	
168										
169		Steam Plant Reagents	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	-	\$	-	0	Effective June 2022
174										
175		Total System - Plant Level	\$	9,473,628	\$	10,764,370	\$	1,290,742	13.62%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

March 2022 Forecast to Actual - MWH					
Line	Plant Generation	March 2022		Notes	
		Forecast	Actual		
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2			Hoot Lake plant closed in May 2021	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	207,446	192,279		
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS]			
13	Total Wind	99,205	98,243		
14		[PROTECTED DATA BEGINS...			
15	Total Hydro	1,699	1,046		
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	-	-		
22		[PROTECTED DATA BEGINS...			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...PROTECTED DATA ENDS]			
26	Total Natural Gas	1,871	2,706		
27		[PROTECTED DATA BEGINS...			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...PROTECTED DATA ENDS]			
31	Total Solar	-	14		
32		[PROTECTED DATA BEGINS...			
33	Total OTP-Owned	310,221	294,287		
34		[PROTECTED DATA BEGINS...			
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.02 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	183,386	240,739	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	294	1,213	
164					
165		Asset Based Sales	6,567	20,497	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	487,333	515,741	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04

Total OTP-Owned 310,221
Total Purchases - Tribal Excluded 183,386
(Asset Based Sales) (6,567)

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05

Wind Curtailment 294
487,333

		March 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	March 2022 Forecast	March 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...)		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS		
6	Total Coal	\$ 22.75	\$ 21.37	
7		(PROTECTED DATA BEGINS...)		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS		
13	Total Wind	\$ -	\$ -	
14		...PROTECTED DATA ENDS		
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...)		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...)		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS		
26	Total Natural Gas	\$ 58.97	\$ 75.67	
27		(PROTECTED DATA BEGINS...)		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS		
31	Total Solar	\$ -	\$ -	
32		...PROTECTED DATA ENDS		
33	Total OTP-Owned	\$ 81.71	\$ 97.63	
34		...PROTECTED DATA ENDS		
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555.19 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 26.12	\$ 36.62	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 31.04	
164					
165		Asset Based Sales	\$ 26.67	\$ 30.74	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	NA	NA	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.44	\$ 20.87	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

April 2022 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	April 2022 Forecast	April 2022 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 1,406,739	\$ 1,494,981	\$ 88,242	6.27%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12				...PROTECTED DATA ENDS]		
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20				...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	\$ -	\$ -	\$ -	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25				...PROTECTED DATA ENDS]		
26	Total Natural Gas	\$ 396,587	\$ 581,281	\$ 184,694	46.57%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30				...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 1,803,326	\$ 2,076,262	\$ 272,936	15.14%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (124,348)	\$ (393,000)	\$ (268,653)	216.05%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 338,346	\$ 1,042,726	\$ 704,380	208.18%	
44	RT Loss Amount	\$ 15,302	\$ 138,035	\$ 122,733	802.07%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 58,958	\$ 61,547	\$ 2,589	4.39%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 8,219	\$ 7,272	\$ (947)	-11.52%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 3,068	\$ 2,101	\$ (966)	-31.50%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 191,422	\$ 2,892,776	\$ 2,701,353	1411.20%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 20,286	\$ 439,451	\$ 419,165	2066.28%	
56	555.14 FTR Hourly Allocation Amount	\$ (338,901)	\$ (6,241,973)	\$ (5,903,072)	1741.83%	
57	555.15 FTR Monthly Allocation Amount	\$ (19,117)	\$ (82,495)	\$ (63,378)	331.53%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (14,112)	\$ -	\$ 14,112	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (3,615)	\$ (539)	\$ 3,076	-85.09%	
61	555.37 FTR Guarantee Uplift Amount	\$ 3,899	\$ 539	\$ (3,360)	-86.18%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (1,614,945)	\$ (1,433,360)	789.36%	
63	555.38 FTR Annual Transaction Amount	\$ 181,557	\$ 1,611,883	\$ 1,430,326	787.81%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 16,762	\$ 12,552	298.14%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (53,696)	\$ (35,718)	198.79%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 9,212	\$ 13,926	\$ 4,714	51.18%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (5,324)	\$ (768)	\$ 4,556	-85.57%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 27,007	\$ 7,932	41.58%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (20,028)	\$ (4,092)	25.68%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 247,532	\$ 200,036	421.15%	
73	555.25 RT Misc Amount	\$ 12,002	\$ -	\$ (12,002)	-100.00%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 6,370	\$ 5,524	653.57%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 32,985	\$ 23,729	256.37%	
77	555.63 DA Ramp Product	\$ (483)	\$ (4,615)	\$ (4,122)	835.74%	
78	555.64 RT Ramp Product	\$ (101)	\$ 489	\$ 590	-583.98%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 22,320	\$ 11,516	106.59%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 61,477	\$ 61,477	0	
87						
88	Total MISO Wholesale Market Charges	\$ 134,422	\$ (1,857,772)	\$ (1,992,194)	-1482.04%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ -	\$ (235)	-100.00%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ -	\$ (22)	-100.00%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ -	\$ (15)	-100.00%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ -	\$ (27)	-100.00%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ -	\$ (29)	-100.00%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ -	\$ (4)	-100.00%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,992)	\$ (16,684)	\$ (8,691)	108.75%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (69,738)	\$ (257,699)	\$ (187,961)	269.52%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (18,166)	\$ (27,737)	\$ (9,571)	52.69%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ -	\$ (3)	-100.00%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	-	\$	(18)	-100.00%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	-	\$	(14)	-100.00%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)	\$	-	\$	0	-100.00%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(302,120)	\$	(178,795)	144.98%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(52,128)	\$	(35,570)	\$	16,558	-31.76%	
129		Real Time Regulation Amount	\$	8,603	\$	9,588	\$	984	11.44%	
130		Regulation Cost Distribution Amount	\$	14,681	\$	25,572	\$	10,892	74.19%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(28,781)	\$	(28,781)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	1,076	\$	1,076	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	15,272	\$	15,272	0	
134		Day Ahead Spinning Reserve Amount	\$	(14,598)	\$	(82,681)	\$	(68,082)	466.37%	
135		Real Time Spinning Reserve Amount	\$	239	\$	15,828	\$	15,589	6529.28%	
136		Spinning Reserve Cost Distribution Amount	\$	12,845	\$	27,956	\$	15,111	117.64%	
137		Day Ahead Supplemental Reserve Amount	\$	(4,665)	\$	(14,794)	\$	(10,129)	217.12%	
138		Real Time Supplemental Reserve Amount	\$	1,564	\$	3,918	\$	2,354	150.51%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,994	\$	2,822	\$	828	41.50%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	966	\$	(1,606)	-62.44%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	863	\$	(814)	-48.54%	
144		Total MISO ASM	\$	(27,218)	\$	(57,967)	\$	(30,749)	112.97%	
145										
146		Total Wholesale Market Charges	\$	11,669	\$	(2,217,859)	\$	(2,229,527)	-19106.46%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	6,663,507	\$	8,874,972	\$	2,211,465	33.19%	Tribal (WAPA) excluded from Total
162			\$	10,643	\$	33,658	\$	23,015	216.25%	
163		Wind Curtailment								
164										
165		Asset Based Sales	\$	185,626	\$	765,555	\$	579,928	312.42%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	241,927	\$	586,775	\$	344,848	142.54%	
167		Asset Based Margins	\$	(56,301)	\$	178,780	\$	235,080	-417.54%	
168										
169		Steam Plant Reagents	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	-	\$	-	0	Effective June 2022
174										
175		Total System - Plant Level	\$	8,303,518	\$	8,001,479	\$	(302,039)	-3.64%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

April 2022 Forecast to Actual - MWH					
Line	Plant Generation	April 2022 Forecast	April 2022 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5					
6	Total Coal	22,231	65,788		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12					
13	Total Wind	100,841	117,057		
14					
15	Total Hydro	1,644	1,725		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20					
21	Total Oil - Peaking Units	-	-		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25					
26	Total Natural Gas	15,935	9,683		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30					
31	Total Solar	-	6		
32					
33	Total OTP-Owned	140,650	194,260		
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.03 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...[PROTECTED DATA ENDS]		
161		Total Purchases	292,177	244,983	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	322	982	
164					
165		Asset Based Sales	5,120	15,745	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	428,029	424,479	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned 140,650
Total Purchases - Tribal Excluded 292,177
(Asset Based Sales) (5,120)
Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment 322
428,029

April 2022 Forecast to Actual - \$ per MWh					
		April 2022 Forecast	April 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5		...[PROTECTED DATA ENDS]			
6	Total Coal	\$ 63.28	\$ 22.72		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...[PROTECTED DATA ENDS]			
13	Total Wind	\$ -	\$ -		
14					
15	Total Hydro	\$ -	\$ -		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...[PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	\$ -	\$ -		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...[PROTECTED DATA ENDS]			
26	Total Natural Gas	\$ 24.89	\$ 60.03		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...[PROTECTED DATA ENDS]			
31	Total Solar	\$ -	\$ -		
32					
33	Total OTP-Owned	\$ 88.17	\$ 82.75		
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	DA Loss Amount	N/A	N/A		
44	RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount**	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 22.81	\$ 36.23	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 34.28	
164					
165		Asset Based Sales	\$ 36.25	\$ 48.62	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.40	\$ 18.85	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

May 2022 Forecast to Actual - Expense (Revenue)					
		May 2022 Forecast	May 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021 - removal of fuel remaining before deconstruction
4	Hoot Lake #3				
5				...PROTECTED DATA ENDS]	
6	Total Coal	\$ 1,871,514	\$ 2,532,561	\$ 661,047	35.32%
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12				...PROTECTED DATA ENDS]	
13	Total Wind	\$ -	\$ -	\$ -	0
14					
15	Total Hydro	\$ -	\$ -	\$ -	0
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20				...PROTECTED DATA ENDS]	
21	Total Oil - Peaking Units	\$ -	\$ 36,673	\$ 36,673	0
22		[PROTECTED DATA BEGINS...			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25				...PROTECTED DATA ENDS]	
26	Total Natural Gas	\$ 205,209	\$ 1,682,853	\$ 1,477,644	720.07%
27		[PROTECTED DATA BEGINS...			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30				...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ -	\$ -	0
32					
33	Total OTP-Owned	\$ 2,076,723	\$ 4,252,087	\$ 2,175,364	104.75%
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (114,718)	\$ (371,851)	\$ (257,133)	224.14%
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0
43	DA Loss Amount	\$ 312,145	\$ 1,242,816	\$ 930,671	298.15%
44	RT Loss Amount	\$ 14,117	\$ 81,384	\$ 67,267	476.50%
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0
49	555.01 DA Mkt Admin Amount	\$ 57,444	\$ 55,777	\$ (1,667)	-2.90%
50	555.18 RT Mkt Admin Amount	\$ 6,642	\$ 8,057	\$ 1,415	21.31%
51	555.13 FTR Mkt Admin Amount	\$ 2,486	\$ 2,184	\$ (302)	-12.16%
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0
53	DA Congestion	\$ 176,599	\$ 3,135,376	\$ 2,958,777	1675.42%
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0
55	RT Congestion	\$ 18,715	\$ 46,565	\$ 27,850	148.81%
56	555.14 FTR Hourly Allocation Amount	\$ (312,657)	\$ (6,498,495)	\$ (6,185,838)	1978.47%
57	555.15 FTR Monthly Allocation Amount	\$ (17,636)	\$ (82,406)	\$ (64,769)	367.25%
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0
59	555.35 FTR Monthly Transaction Amount	\$ (13,020)	\$ -	\$ 13,020	-100.00%
60	555.36 FTR Full Funding Guarantee Amount	\$ (9,858)	\$ (83,373)	\$ (73,516)	745.76%
61	555.37 FTR Guarantee Uplift Amount	\$ 9,199	\$ 83,373	\$ 74,174	806.31%
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (1,614,945)	\$ (1,433,360)	789.36%
63	555.38 FTR Annual Transaction Amount	\$ 181,557	\$ 1,611,883	\$ 1,430,326	787.81%
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 16,762	\$ 12,552	298.14%
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (53,696)	\$ (35,718)	198.79%
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 7,608	\$ 23,143	\$ 15,535	204.18%
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (900)	\$ (15,587)	\$ (14,686)	1631.22%
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 66,419	\$ 47,345	248.21%
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (24,333)	\$ (8,397)	52.69%
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 435,057	\$ 387,560	815.97%
73	555.25 RT Misc Amount	\$ 12,002	\$ -	\$ (12,002)	-100.00%
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 5,386	\$ 4,540	537.13%
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 60,447	\$ 51,191	553.05%
77	555.63 DA Ramp Product	\$ (366)	\$ (7,557)	\$ (7,191)	1968.99%
78	555.64 RT Ramp Product	\$ 21	\$ (694)	\$ (916)	-4310.68%
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 16,755	\$ 5,951	55.08%
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 94,051	\$ 94,051	0
87					
88	Total MISO Wholesale Market Charges	\$ 131,216	\$ (1,833,709)	\$ (1,964,925)	-1497.48%
89					Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ 907	\$ 673	286.47%
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ 593	\$ 571	2582.80%
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ 48	\$ 32	212.61%
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ 103	\$ 76	279.03%
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ 167	\$ 137	468.57%
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ 9	\$ 6	161.13%
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,373)	\$ (21,173)	\$ (13,800)	187.17%
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 10	\$ 11	-2199.74%
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (7)	\$ (7)	2140.64%
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (4)	\$ (3)	521.64%
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (1)	\$ (1)	2395.05%
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 0	\$ 0	-284.62%
110	555.20 RT Pseudo Tie Congestion Amount	\$ (64,338)	\$ (353,122)	\$ (288,784)	448.86%
111	555.21 RT Pseudo Tie Loss Amount	\$ (16,760)	\$ (53,372)	\$ (36,612)	218.46%
112	555.23 Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ 12	\$ 8	240.69%

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	58	\$	40	217.97%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	37	\$	37	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	(1)	\$	(1)	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(1)	\$	(1)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	71	\$	57	415.47%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	(0)	\$	(0)	0	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(425,667)	\$	(302,341)	245.16%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(27,414)	\$	(34,934)	\$	(7,520)	27.43%	
129		Real Time Regulation Amount	\$	7,030	\$	6,640	\$	(390)	-5.55%	
130		Regulation Cost Distribution Amount	\$	14,103	\$	36,233	\$	22,131	156.93%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(23,606)	\$	(23,606)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(428)	\$	(428)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	13,752	\$	13,752	0	
134		Day Ahead Spinning Reserve Amount	\$	(15,402)	\$	(74,594)	\$	(59,192)	384.30%	
135		Real Time Spinning Reserve Amount	\$	2,884	\$	934	\$	(1,950)	-67.62%	
136		Spinning Reserve Cost Distribution Amount	\$	13,168	\$	33,878	\$	20,710	157.27%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,572)	\$	(22,793)	\$	(17,221)	309.04%	
138		Real Time Supplemental Reserve Amount	\$	1,415	\$	20,684	\$	19,270	1362.29%	
139		Supplemental Reserve Cost Distribution Amount	\$	2,558	\$	2,363	\$	(195)	-7.62%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	236	\$	(2,336)	-90.83%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	(1,989)	\$	(3,665)	-218.62%	
144		Total MISO ASM	\$	(2,983)	\$	(43,624)	\$	(40,640)	1362.30%	
145										
146		Total Wholesale Market Charges	\$	40,123	\$	(2,302,999)	\$	(2,343,123)	-5839.79%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	5,562,753	\$	10,467,243	\$	4,904,490	88.17%	Tribal (WAPA) excluded from Total
162			\$	21,634	\$	132,416	\$	110,782	512.07%	
163		Wind Curtailment	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
164			\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
165		Asset Based Sales	\$	300,052	\$	1,332,733	\$	1,032,682	344.17%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	298,110	\$	1,125,329	\$	827,219	277.49%	
167		Asset Based Margins	\$	1,941	\$	207,404	\$	205,463	10583.47%	
168			\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
169		Steam Plant Reagents	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170			\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
171		Steam/Water Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172			\$	-	\$	-	\$	-	0	Effective June 2022
173		Planning Resource Auction Revenues	\$	-	\$	-	\$	-	0	Effective June 2022
174			\$	-	\$	-	\$	-	0	Effective June 2022
175		Total System - Plant Level	\$	7,401,181	\$	11,216,014	\$	3,814,833	51.54%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

May 2022 Forecast to Actual - MWh					
		May 2022 Forecast	May 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	52,532	91,497		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS]			
13	Total Wind	96,789	76,485		
14		...PROTECTED DATA ENDS]			
15	Total Hydro	1,699	1,779		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	-	110		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...PROTECTED DATA ENDS]			
26	Total Natural Gas	7,262	18,648		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...PROTECTED DATA ENDS]			
31	Total Solar	-	17		
32		...PROTECTED DATA ENDS]			
33	Total OTP-Owned	158,282	188,536		
34		...PROTECTED DATA ENDS]			
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.03 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555.19 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	244,602	266,948	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	655	4,200	
164					
165		Asset Based Sales	8,583	16,687	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	394,955	442,998	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned
Total Purchases - Tribal Excluded
(Asset Based Sales)
Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment

158,282
244,602
(8,583)
655
394,955

		May 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	May 2022 Forecast	May 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS		
6	Total Coal	\$ 35.63	\$ 27.68	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS		
26	Total Natural Gas	\$ 28.26	\$ 90.24	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 63.88	\$ 117.92	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 22.74	\$ 39.21	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 31.52	
164					
165		Asset Based Sales	\$ 34.96	\$ 79.87	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 18.74	\$ 25.32	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

June 2022 Forecast to Actual - Expense (Revenue)					
		June 2022 Forecast	June 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5				...PROTECTED DATA ENDS	
6	Total Coal	\$ 2,120,024	\$ 5,716,113	\$ 3,596,089	169.62%
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12				...PROTECTED DATA ENDS	
13	Total Wind	\$ -	\$ -	\$ -	0
14					
15	Total Hydro	\$ -	\$ -	\$ -	0
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20				...PROTECTED DATA ENDS	
21	Total Oil - Peaking Units	\$ -	\$ 83,545	\$ 83,545	0
22		[PROTECTED DATA BEGINS...			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25				...PROTECTED DATA ENDS	
26	Total Natural Gas	\$ 216,801	\$ 2,586,209	\$ 2,369,408	1092.90%
27		[PROTECTED DATA BEGINS...			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30				...PROTECTED DATA ENDS	
31	Total Solar	\$ -	\$ -	\$ -	0
32					
33	Total OTP-Owned	\$ 2,336,825	\$ 8,385,867	\$ 6,049,042	258.86%
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (111,532)	\$ (447,658)	\$ (336,125)	301.37%
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0
43	DA Loss Amount	\$ 303,476	\$ 1,242,672	\$ 939,196	309.48%
44	RT Loss Amount	\$ 13,725	\$ (21,555)	\$ (35,279)	-257.05%
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0
49	555.01 DA Mkt Admin Amount	\$ 58,820	\$ 50,007	\$ (8,813)	-14.98%
50	555.18 RT Mkt Admin Amount	\$ 7,657	\$ 8,356	\$ 699	9.13%
51	555.13 FTR Mkt Admin Amount	\$ 2,754	\$ 2,215	\$ (539)	-19.55%
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0
53	DA Congestion	\$ 171,694	\$ 1,246,807	\$ 1,075,113	626.18%
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0
55	RT Congestion	\$ 18,195	\$ 191,785	\$ 173,590	954.04%
56	555.14 FTR Hourly Allocation Amount	\$ (303,973)	\$ (1,722,629)	\$ (1,418,656)	466.70%
57	555.15 FTR Monthly Allocation Amount	\$ (17,146)	\$ (156,832)	\$ (139,686)	814.66%
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0
59	555.35 FTR Monthly Transaction Amount	\$ (12,658)	\$ -	\$ 12,658	-100.00%
60	555.36 FTR Full Funding Guarantee Amount	\$ (32,257)	\$ 144,710	\$ 176,967	-548.62%
61	555.37 FTR Guarantee Uplift Amount	\$ 32,660	\$ (144,710)	\$ (177,370)	-543.08%
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (258,085)	\$ (6,563,684)	\$ (6,305,599)	2443.23%
63	555.38 FTR Annual Transaction Amount	\$ 257,988	\$ 6,560,639	\$ 6,302,650	2443.00%
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,946	\$ 9,195	\$ 7,249	372.62%
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (34,936)	\$ (125,260)	\$ (90,324)	258.54%
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 4,989	\$ 23,794	\$ 18,804	376.88%
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (13,790)	\$ (18,403)	\$ (4,613)	33.45%
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 82,029	\$ 62,954	330.04%
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (122,552)	\$ (106,616)	669.03%
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 91,936	\$ 44,439	93.56%
73	555.25 RT Misc Amount	\$ 12,002	\$ 371	\$ (11,632)	-96.91%
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 11,243	\$ 10,398	1230.12%
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 42,290	\$ 33,034	356.89%
77	555.63 DA Ramp Product	\$ (723)	\$ 5,185	\$ (4,462)	617.38%
78	555.64 RT Ramp Product	\$ (41)	\$ (1,898)	\$ (1,857)	4583.50%
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 16,210	\$ 5,406	50.04%
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 10,358	\$ 10,358	0
87					
88	Total MISO Wholesale Market Charges	\$ 95,284	\$ 343,674	\$ 248,389	260.68%
89					Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ 231	\$ (4)	-1.82%
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ 231	\$ 209	945.98%
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ 12	\$ (3)	-19.42%
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ 30	\$ 3	9.87%
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ 51	\$ 22	73.66%
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ 3	\$ (1)	-23.40%
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,168)	\$ (23,937)	\$ (16,768)	233.92%
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 7	\$ 7	-1492.88%
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (4)	\$ (3)	1076.10%
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (4)	\$ (3)	453.97%
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (1)	\$ (1)	1658.42%
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 0	\$ 0	-284.62%
110	555.20 RT Pseudo Tie Congestion Amount	\$ (62,551)	\$ (365,593)	\$ (303,042)	484.48%
111	555.21 RT Pseudo Tie Loss Amount	\$ (16,294)	\$ (53,440)	\$ (37,146)	227.97%
112	555.23 Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%
113	555.26 ARR Closeout Yearly Amount	\$ (90,194)	\$ (194,122)	\$ (103,928)	115.23%
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ 3	\$ (0)	-7.16%

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	16	\$	(2)	-13.37%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	12	\$	12	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	(0)	\$	(0)	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(0)	\$	(0)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	18	\$	5	32.88%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	0	\$	(0)	\$	(0)	-300.00%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	(23)	\$	(23)	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(636,511)	\$	(513,186)	416.12%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(40,100)	\$	(31,922)	\$	8,179	-20.40%	
129		Real Time Regulation Amount	\$	7,100	\$	(2,334)	\$	(9,434)	-132.88%	
130		Regulation Cost Distribution Amount	\$	11,117	\$	23,042	\$	11,926	107.28%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(18,970)	\$	(18,970)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(360)	\$	(360)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	7,125	\$	7,125	0	
134		Day Ahead Spinning Reserve Amount	\$	(10,874)	\$	(32,832)	\$	(21,959)	201.94%	
135		Real Time Spinning Reserve Amount	\$	2,628	\$	(10,092)	\$	(12,721)	-484.02%	
136		Spinning Reserve Cost Distribution Amount	\$	9,154	\$	22,621	\$	13,467	147.11%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,583)	\$	(38,093)	\$	(32,510)	582.34%	
138		Real Time Supplemental Reserve Amount	\$	2,022	\$	5,257	\$	3,235	159.96%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,501	\$	3,968	\$	2,468	164.41%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	7	\$	7	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	1,308	\$	(1,265)	-49.17%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	(514)	\$	(2,190)	-130.67%	
144		Total MISO ASM	\$	(18,787)	\$	(71,790)	\$	(53,003)	282.13%	
145										
146		Total Wholesale Market Charges	\$	(99,349)	\$	(364,627)	\$	(265,278)	267.02%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	5,011,252	\$	8,482,159	\$	3,470,908	69.26%	Tribal (WAPA) excluded from Total
162			\$	13,608	\$	216,985	\$	203,377	1494.53%	
163		Wind Curtailment								
164										
165		Asset Based Sales	\$	144,342	\$	1,225,905	\$	1,081,563	749.31%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	117,992	\$	1,227,509	\$	1,109,516	940.33%	
167		Asset Based Margins	\$	26,349	\$	(1,604)	\$	(27,953)	-106.09%	
168										
169		Steam Plant Reagents	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	(563,377)	\$	(563,377)	0	Effective June 2022
174										
175		Total System - Plant Level	\$	7,117,994	\$	14,931,101	\$	7,813,107	109.77%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

June 2022 Forecast to Actual - MWh					
		June 2022 Forecast	June 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	72,624	168,878		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS]			
13	Total Wind	80,927	73,682		
14		...PROTECTED DATA ENDS]			
15	Total Hydro	1,644	1,654		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	-	231		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...PROTECTED DATA ENDS]			
26	Total Natural Gas	7,844	23,548		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...PROTECTED DATA ENDS]			
31	Total Solar	-	8		
32		...PROTECTED DATA ENDS]			
33	Total OTP-Owned	163,038	268,003		
34		...PROTECTED DATA ENDS]			
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.03 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555.19 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	224,390	220,697	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	412	6,357	
164					
165		Asset Based Sales	4,063	23,571	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	383,778	471,484	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned 163,038
Total Purchases - Tribal Excluded 224,390
(Asset Based Sales) (4,063)
Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment 412
383,778

		June 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	June 2022 Forecast	June 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		(PROTECTED DATA ENDS)		
6	Total Coal	\$ 29.19	\$ 33.85	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		(PROTECTED DATA ENDS)		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		(PROTECTED DATA ENDS)		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		(PROTECTED DATA ENDS)		
26	Total Natural Gas	\$ 27.64	\$ 109.83	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		(PROTECTED DATA ENDS)		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 56.83	\$ 143.67	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 22.33	\$ 38.43	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 34.14	
164					
165		Asset Based Sales	\$ 35.53	\$ 52.01	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 18.55	\$ 31.67	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

July 2022 Forecast to Actual - Expense (Revenue)						
		July 2022 Forecast	July 2022 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 3,627,645	\$ 5,776,352	\$ 2,148,707	59.23%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12				...PROTECTED DATA ENDS]		
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20				...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	\$ -	\$ 46,545	\$ 46,545	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway				6	
24	Natural gas - Astoria				6	
25				...PROTECTED DATA ENDS]		
26	Total Natural Gas	\$ 942,155	\$ 3,019,837	\$ 2,077,682	220.52%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30				...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 4,569,800	\$ 8,842,734	\$ 4,272,934	93.50%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (117,748)	\$ (529,557)	\$ (411,809)	349.74%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 320,389	\$ 1,455,347	\$ 1,134,958	354.24%	
44	RT Loss Amount	\$ 14,490	\$ (84,945)	\$ (99,434)	-686.24%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 57,433	\$ 59,635	\$ 2,202	3.83%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 7,987	\$ 9,156	\$ 1,175	14.72%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,927	\$ 2,567	\$ (360)	-12.34%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 181,263	\$ 1,999,677	\$ 1,818,414	1003.18%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 19,209	\$ (181,714)	\$ (200,923)	-1045.97%	
56	555.14 FTR Hourly Allocation Amount	\$ (320,914)	\$ (2,317,426)	\$ (1,996,511)	622.13%	
57	555.15 FTR Monthly Allocation Amount	\$ (18,102)	\$ (2,941)	\$ 15,161	-83.75%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (13,363)	\$ -	\$ 13,363	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (38,473)	\$ 84	\$ 38,557	-100.22%	
61	555.37 FTR Guarantee Uplift Amount	\$ 35,888	\$ (84)	\$ (35,972)	-100.23%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (258,085)	\$ (6,563,684)	\$ (6,305,599)	2443.23%	
63	555.38 FTR Annual Transaction Amount	\$ 257,988	\$ 6,560,639	\$ 6,302,650	2443.00%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,945	\$ 9,195	\$ 7,250	372.79%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (35,020)	\$ (125,260)	\$ (90,240)	257.68%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 6,567	\$ 15,022	\$ 8,455	128.76%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (3,792)	\$ (1,918)	\$ 1,874	-49.42%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 61,267	\$ 42,193	221.20%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (131,812)	\$ (115,876)	727.13%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 90,920	\$ 43,423	91.42%	
73	555.25 RT Misc Amount	\$ 12,002	\$ -	\$ (12,002)	-100.00%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 8,549	\$ 7,704	911.40%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 42,999	\$ 33,743	364.55%	
77	555.63 DA Ramp Product	\$ (3,878)	\$ (3,170)	\$ 708	-15.28%	
78	555.64 RT Ramp Product	\$ (100)	\$ (1,948)	\$ (1,848)	1847.28%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 16,614	\$ 5,810	53.78%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ (7,853)	\$ (7,853)	0	
87						
88	Total MISO Wholesale Market Charges	\$ 104,014	\$ 308,003	\$ 203,990	196.12%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ -	\$ (235)	-100.00%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ -	\$ (22)	-100.00%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ -	\$ (15)	-100.00%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ -	\$ (27)	-100.00%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ -	\$ (29)	-100.00%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ -	\$ (4)	-100.00%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,568)	\$ (27,130)	\$ (19,562)	258.49%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (66,037)	\$ (241,943)	\$ (175,906)	266.38%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (17,202)	\$ (70,162)	\$ (52,960)	307.86%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ -	\$ (3)	-100.00%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	-	\$	(18)	-100.00%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	-	\$	(14)	-100.00%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	(4)	\$	(4)	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(339,239)	\$	(215,914)	175.08%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(76,547)	\$	(36,209)	\$	40,339	-52.70%	
129		Real Time Regulation Amount	\$	24,984	\$	(15,841)	\$	(40,825)	-163.40%	
130		Regulation Cost Distribution Amount	\$	11,980	\$	16,487	\$	4,507	37.62%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(14,146)	\$	(14,146)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(682)	\$	(682)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	5,439	\$	5,439	0	
134		Day Ahead Spinning Reserve Amount	\$	(32,058)	\$	(32,316)	\$	(258)	0.81%	
135		Real Time Spinning Reserve Amount	\$	4,324	\$	(13,655)	\$	(17,979)	-415.77%	
136		Spinning Reserve Cost Distribution Amount	\$	11,406	\$	7,661	\$	(3,743)	-32.62%	
137		Day Ahead Supplemental Reserve Amount	\$	(10,290)	\$	(73,670)	\$	(63,380)	615.96%	
138		Real Time Supplemental Reserve Amount	\$	3,635	\$	(12,691)	\$	(16,326)	-449.09%	
139		Supplemental Reserve Cost Distribution Amount	\$	3,121	\$	13,051	\$	9,930	318.23%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	2,649	\$	77	2.99%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	18,701	\$	17,024	1015.54%	
144		Total MISO ASM	\$	(55,198)	\$	(135,221)	\$	(80,023)	144.98%	
145										
146		Total Wholesale Market Charges	\$	(41,630)	\$	(166,457)	\$	(124,827)	299.85%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	4,015,230	\$	5,073,340	\$	1,058,110	26.35%	Tribal (WAPA) excluded from Total
162			\$	22,244	\$	193,319	\$	171,075	769.10%	
163		Wind Curtailment	\$	22,244	\$	193,319	\$	171,075	769.10%	
164										
165		Asset Based Sales	\$	679,338	\$	1,822,740	\$	1,143,402	168.31%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	435,483	\$	1,217,323	\$	781,840	179.53%	
167		Asset Based Margins	\$	243,856	\$	605,417	\$	361,562	148.27%	
168										
169		Steam Plant Reagents	\$	-	\$	329,838	\$	329,838	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	(144,470)	\$	(144,470)	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	(741,966)	\$	(741,966)	0	Effective June 2022
174										
175		Total System - Plant Level	\$	7,886,305	\$	11,563,598	\$	3,677,293	46.63%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

July 2022 Forecast to Actual - MWh					
		July 2022 Forecast	July 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	155,346	223,436		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS]			
13	Total Wind	70,015	68,478		
14		...PROTECTED DATA ENDS]			
15	Total Hydro	1,699	1,688		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	-	92		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...PROTECTED DATA ENDS]			
26	Total Natural Gas	42,477	39,339		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...PROTECTED DATA ENDS]			
31	Total Solar	-	11		
32		...PROTECTED DATA ENDS]			
33	Total OTP-Owned	269,537	333,045		
34		...PROTECTED DATA ENDS]			
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.03 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555.19 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	154,106	132,882	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	674	5,811	
164					
165		Asset Based Sales	18,852	28,498	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	405,465	443,240	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04

Total OTP-Owned 269,537
Total Purchases - Tribal Excluded 154,106
(Asset Based Sales) (18,852)

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05

Wind Curtailment 674
405,465

		July 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	July 2022 Forecast	July 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		(PROTECTED DATA ENDS)		
6	Total Coal	\$ 23.35	\$ 25.85	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		(PROTECTED DATA ENDS)		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		(PROTECTED DATA ENDS)		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		(PROTECTED DATA ENDS)		
26	Total Natural Gas	\$ 22.18	\$ 76.76	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		(PROTECTED DATA ENDS)		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 45.53	\$ 102.62	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 26.05	\$ 38.18	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 33.27	
164					
165		Asset Based Sales	\$ 36.04	\$ 63.96	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.45	\$ 26.09	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

August 2022 Forecast to Actual - Expense (Revenue)						
		August 2022 Forecast	August 2022 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 3,272,110	\$ 5,281,463	\$ 2,009,353	61.41%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12				...PROTECTED DATA ENDS]		
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20				...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	\$ 188,147	\$ (15,136)	\$ (203,283)	-108.04%	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25				...PROTECTED DATA ENDS]		
26	Total Natural Gas	\$ 708,824	\$ 3,666,737	\$ 2,957,913	417.30%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30				...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 4,169,081	\$ 8,933,064	\$ 4,763,983	114.27%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (116,937)	\$ (595,085)	\$ (478,148)	408.89%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 318,182	\$ 1,719,290.0	\$ 1,401,108	440.35%	
44	RT Loss Amount	\$ 14,390	\$ 5,543	\$ (8,847)	-61.48%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 43,457	\$ 66,351	\$ 22,894	52.68%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 5,562	\$ 8,181	\$ 2,619	47.08%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,174	\$ 2,649	\$ 475	21.84%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 180,015	\$ 831,409	\$ 651,394	361.86%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 19,077	\$ 393,893	\$ 374,816	1964.75%	
56	555.14 FTR Hourly Allocation Amount	\$ (318,704)	\$ (745,035)	\$ (426,330)	133.77%	
57	555.15 FTR Monthly Allocation Amount	\$ (17,977)	\$ (2,763)	\$ 15,215	-84.63%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (13,271)	\$ -	\$ 13,271	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ 14,139	\$ (2,824)	\$ (16,964)	-119.97%	
61	555.37 FTR Guarantee Uplift Amount	\$ (18,528)	\$ 2,824	\$ 21,352	-115.24%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (258,085)	\$ (6,563,684)	\$ (6,305,599)	2443.23%	
63	555.38 FTR Annual Transaction Amount	\$ 257,988	\$ 6,560,639	\$ 6,302,650	2443.00%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,944	\$ 9,195	\$ 7,251	372.96%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (34,976)	\$ (125,260)	\$ (90,283)	258.13%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 5,664	\$ 21,364	\$ 15,700	277.17%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (4,230)	\$ (42,936)	\$ (38,706)	915.03%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 64,855	\$ 45,780	240.00%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (83,178)	\$ (67,242)	421.95%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ (1,110)	\$ (48,607)	-102.34%	
73	555.25 RT Misc Amount	\$ 12,002	\$ 1,022	\$ (10,980)	-91.48%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 12,521	\$ 11,675	1381.27%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 8,802	\$ (454)	-4.90%	
77	555.63 DA Ramp Product	\$ (2,178)	\$ (1,809)	\$ 369	-16.98%	
78	555.64 RT Ramp Product	\$ 228	\$ (2,263)	\$ (2,492)	-1087.78%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 19,914	\$ 9,110	84.32%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ (160,651)	\$ (160,651)	0	
87						
88	Total MISO Wholesale Market Charges	\$ 102,493	\$ 1,324,673.75	\$ 1,222,181	1192.46%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ (2)	\$ (236)	-100.71%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ (5)	\$ (27)	-124.34%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ (0)	\$ (15)	-100.33%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ (0)	\$ (27)	-100.40%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ (0)	\$ (30)	-101.16%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ (0)	\$ (4)	-100.57%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,516)	\$ (29,609)	\$ (22,093)	293.96%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 0	\$ 1	-118.77%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 0	-112.75%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (65,582)	\$ (234,058)	\$ (168,476)	256.89%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (17,084)	\$ (95,052)	\$ (77,969)	456.39%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ 358	\$ 363	-7213.97%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ -	\$ (3)	-100.00%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	(0)	\$	(18)	-100.77%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	(0)	\$	(14)	-101.02%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(358,369)	\$	(235,044)	190.59%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(74,029)	\$	(21,889)	\$	52,140	-70.43%	
129		Real Time Regulation Amount	\$	21,204	\$	(6,988)	\$	(28,191)	-132.95%	
130		Regulation Cost Distribution Amount	\$	11,407	\$	20,534	\$	9,127	80.02%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(2,536)	\$	(2,536)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(134)	\$	(134)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	2,422	\$	2,422	0	
134		Day Ahead Spinning Reserve Amount	\$	(21,316)	\$	(18,104)	\$	3,211	-15.07%	
135		Real Time Spinning Reserve Amount	\$	5,325	\$	24,880	\$	19,554	367.19%	
136		Spinning Reserve Cost Distribution Amount	\$	10,267	\$	15,704	\$	5,437	52.98%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,527)	\$	(31,252)	\$	(25,725)	465.44%	
138		Real Time Supplemental Reserve Amount	\$	2,422	\$	12,382	\$	9,959	411.14%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,649	\$	4,323	\$	2,674	162.17%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	2,186	\$	(386)	-15.01%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	4,904	\$	3,228	192.54%	
144		Total MISO ASM	\$	(44,349)	\$	6,432	\$	50,781	-114.50%	
145										
146		Total Wholesale Market Charges	\$	(31,677)	\$	972,737	\$	1,004,413	-3170.84%	
147										
148										
149		Purchased Power								
150										
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	\$	3,068,636	\$	5,540,616	\$	2,471,980	80.56%	MISO and SPP Energy Only
160										
161		Total Purchases	\$	4,628,036	\$	5,580,590	\$	952,554	20.58%	Tribal (WAPA) excluded from Total
162										
163		Wind Curtailment	\$	8,118	\$	(141,333)	\$	(149,451)	-1840.89%	
164										
165		Asset Based Sales	\$	513,884	\$	2,706,994	\$	2,193,110	426.77%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	365,388	\$	2,099,622	\$	1,734,234	474.63%	
167		Asset Based Margins	\$	148,496	\$	607,372	\$	458,876	309.02%	
168										
169		Steam Plant Reagents	\$	-	\$	383,246	\$	383,246	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	(174,087)	\$	(174,087)	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	(844,306)	\$	(844,306)	0	Effective June 2022
174										
175		Total System - Plant Level	\$	8,259,675	\$	12,002,918	\$	3,743,243	45.32%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

August 2022 Forecast to Actual - MWh					
		August 2022 Forecast	August 2022 Actual	Notes	
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2			Hoot Lake plant closed in May 2021	
4	Hoot Lake #3				
5		...[PROTECTED DATA ENDS]			
6	Total Coal	133,975	243,881		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...[PROTECTED DATA ENDS]			
13	Total Wind	69,862	72,284		
14		...[PROTECTED DATA ENDS]			
15	Total Hydro	1,699	1,751		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...[PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	791	81		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...[PROTECTED DATA ENDS]			
26	Total Natural Gas	31,148	39,982		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...[PROTECTED DATA ENDS]			
31	Total Solar	-	10		
32		...[PROTECTED DATA ENDS]			
33	Total OTP-Owned	237,475	357,989		
34		...[PROTECTED DATA ENDS]			
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	DA Loss Amount	N/A	N/A		
44	RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555.19 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	178,979	136,012	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	246	(4,255)	
164					
165		Asset Based Sales	14,472	40,053	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	402,228	449,693	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04

Total OTP-Owned 237,475
Total Purchases - Tribal Excluded 178,979
(Asset Based Sales) (14,472)

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05

Wind Curtailment 246
402,228

		August 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	August 2022 Forecast	August 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		(PROTECTED DATA ENDS)		
6	Total Coal	\$ 24.42	\$ 21.66	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		(PROTECTED DATA ENDS)		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		(PROTECTED DATA ENDS)		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		(PROTECTED DATA ENDS)		
26	Total Natural Gas	\$ 22.76	\$ 91.71	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		(PROTECTED DATA ENDS)		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 47.18	\$ 113.37	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 25.86	\$ 41.03	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 33.21	
164					
165		Asset Based Sales	\$ 35.51	\$ 67.59	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 20.53	\$ 26.69	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		September 2022 Forecast to Actual - Expense (Revenue)				Notes
		September 2022 Forecast	September 2022 Actual			
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5					...PROTECTED DATA ENDS]	
6	Total Coal	\$ 2,397,283	\$ 4,782,387	\$ 2,385,104	99.49%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12					...PROTECTED DATA ENDS]	
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20					...PROTECTED DATA ENDS]	
21	Total Oil - Peaking Units	\$ -	\$ 95,268	\$ 95,268	0	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25					...PROTECTED DATA ENDS]	
26	Total Natural Gas	\$ 229,142	\$ 2,318,075	\$ 2,088,933	911.63%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30					...PROTECTED DATA ENDS]	
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 2,626,425	\$ 7,195,730	\$ 4,569,305	173.97%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (110,826)	\$ (538,909)	\$ (428,083)	386.27%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	DA Loss Amount	\$ 301,554	\$ 1,610,093	\$ 1,308,539	433.93%	
44	RT Loss Amount	\$ 13,638	\$ (7,013)	\$ (20,651)	-151.43%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 44,793	\$ 67,408	\$ 22,615	50.49%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 6,854	\$ 8,507	\$ 1,653	24.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,448	\$ 2,392	\$ (56)	-2.26%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	DA Congestion	\$ 170,607	\$ 2,378,553	\$ 2,207,946	1294.17%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	RT Congestion	\$ 18,080	\$ 581,452	\$ 563,372	3115.98%	
56	555.14 FTR Hourly Allocation Amount	\$ (302,049)	\$ (3,209,379)	\$ (2,907,330)	962.54%	
57	555.15 FTR Monthly Allocation Amount	\$ (17,038)	\$ (5,339)	\$ 11,699	-68.66%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (12,578)	\$ -	\$ 12,578	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (6,266)	\$ (3,115)	\$ 3,151	-50.29%	
61	555.37 FTR Guarantee Uplift Amount	\$ 6,008	\$ 3,115	\$ (2,893)	-48.15%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (323,729)	\$ (7,519,744)	\$ (7,196,015)	2222.85%	
63	555.38 FTR Annual Transaction Amount	\$ 319,942	\$ 7,517,112	\$ 7,197,171	2249.53%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,886	\$ 24,119	\$ 20,233	520.62%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (28,880)	\$ (70,151)	\$ (41,271)	142.91%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,674	\$ 18,438	\$ 9,763	112.56%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (4,160)	\$ (20,741)	\$ (16,582)	398.60%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 52,021	\$ 32,946	172.72%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (56,755)	\$ (40,819)	256.14%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 66,374	\$ 18,878	39.74%	
73	555.25 RT Misc Amount	\$ 12,002	\$ 289	\$ (11,714)	-97.59%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 7,704	\$ 6,859	811.42%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 6,193	\$ (3,063)	-33.10%	
77	555.63 DA Ramp Product	\$ (613)	\$ (3,120)	\$ (2,507)	408.08%	
78	555.64 RT Ramp Product	\$ 101	\$ (2,558)	\$ (2,660)	-2621.81%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 13,889	\$ 3,085	28.56%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ (118,841)	\$ (118,841)	0	
87						
88	Total MISO Wholesale Market Charges	\$ 112,105	\$ 723,687	\$ 611,582	545.54%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ 23,485	\$ 23,251	9901.79%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ 4,492	\$ 4,470	20222.48%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ 281	\$ 266	1745.24%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ 1,139	\$ 1,112	4083.15%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ 1,333	\$ 1,304	4446.97%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ 208	\$ 205	5832.51%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (45)	\$ (45)	134930.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,123)	\$ (27,225)	\$ (20,102)	282.21%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 45	\$ 46	-9564.47%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (37)	\$ (36)	11578.09%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (63)	\$ (62)	9750.23%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (12)	\$ (12)	27678.22%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (67)	\$ (67)	1234423.08%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (62,155)	\$ (215,435)	\$ (153,280)	246.61%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (16,191)	\$ (54,990)	\$ (38,799)	239.64%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ (126)	\$ (120)	2393.38%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ 2	\$ 2	-33045.45%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ 135	\$ 132	3772.78%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	663	\$	644	3530.58%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	676	\$	676	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	(9)	\$	(9)	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(51)	\$	(51)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	530	\$	516	3764.41%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)	\$	(0)	\$	(0)	4.59%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	(12)	\$	0	\$	12	-100.73%	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(265,070)	\$	(141,744)	114.94%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(63,982)	\$	(32,997)	\$	30,985	-48.43%	
129		Real Time Regulation Amount	\$	10,388	\$	(13,217)	\$	(23,605)	-227.24%	
130		Regulation Cost Distribution Amount	\$	11,162	\$	19,699	\$	8,537	76.48%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(20,178)	\$	(20,178)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(605)	\$	(605)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	5,520	\$	5,520	0	
134		Day Ahead Spinning Reserve Amount	\$	(10,210)	\$	(26,773)	\$	(16,563)	162.22%	
135		Real Time Spinning Reserve Amount	\$	2,194	\$	(19,632)	\$	(21,826)	-994.90%	
136		Spinning Reserve Cost Distribution Amount	\$	7,095	\$	10,258	\$	3,164	44.59%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,178)	\$	(13,249)	\$	(8,071)	155.88%	
138		Real Time Supplemental Reserve Amount	\$	2,052	\$	(4,355)	\$	(6,407)	-312.19%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,462	\$	3,586	\$	2,124	145.30%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	3,646	\$	1,074	41.75%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	994	\$	(682)	-40.71%	
144		Total MISO ASM	\$	(40,770)	\$	(87,304)	\$	(46,534)	114.14%	
145										
146		Total Wholesale Market Charges	\$	(13,786)	\$	371,313	\$	385,098	-2793.49%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	4,710,910	\$	6,337,529	\$	1,626,619	34.53%	Tribal (WAPA) excluded from Total
162			\$	6,442	\$	(3,710)	\$	(10,152)	-157.59%	
163		Wind Curtailment								
164										
165		Asset Based Sales	\$	206,320	\$	2,301,151	\$	2,094,831	1015.33%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	144,028	\$	2,030,561	\$	1,886,533	1309.84%	
167		Asset Based Margins	\$	62,292	\$	270,590	\$	208,298	334.39%	
168										
169		Steam Plant Reagents	\$	-	\$	324,709	\$	324,709	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	(135,976)	\$	(135,976)	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	(767,551)	\$	(767,551)	0	Effective June 2022
174										
175		Total System - Plant Level	\$	7,123,672	\$	11,020,893	\$	3,897,221	54.71%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		September 2022 Forecast to Actual - MWh		Notes
		September 2022 Forecast	September 2022 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	86,237	195,339	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	91,592	82,730	
14		...PROTECTED DATA ENDS]		
15	Total Hydro	1,644	1,249	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	-	262	
22		[PROTECTED DATA BEGINS...]		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS]		
26	Total Natural Gas	8,346	25,618	
27		[PROTECTED DATA BEGINS...]		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS]		
31	Total Solar	-	9	
32		...PROTECTED DATA ENDS]		
33	Total OTP-Owned	187,819	305,207	
34		...PROTECTED DATA ENDS]		
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	555.21 DA Loss Amount	N/A	N/A	
44	555.21 RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	555.03 DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	555.2 RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	198,287	128,342	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	195	(107)	
164					
165		Asset Based Sales	5,187	30,818	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	381,115	402,624	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned 187,819
Total Purchases - Tribal Excluded 198,287
(Asset Based Sales) (5,187)
Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment 195
381,115

Line	Plant Generation	September 2022 Forecast to Actual - \$ per MWh		Notes
		September 2022 Forecast	September 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		(PROTECTED DATA ENDS)		
6	Total Coal	\$ 27.80	\$ 24.48	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		(PROTECTED DATA ENDS)		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		(PROTECTED DATA ENDS)		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		(PROTECTED DATA ENDS)		
26	Total Natural Gas	\$ 27.45	\$ 90.49	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		(PROTECTED DATA ENDS)		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 55.25	\$ 114.97	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 23.76	\$ 49.38	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 34.57	
164					
165		Asset Based Sales	\$ 39.78	\$ 74.67	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 18.69	\$ 27.37	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

October 2022 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	October 2022 Forecast	October 2022 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6				...PROTECTED DATA ENDS]		
7	Total Coal	\$ 1,838,708	\$ 2,664,435	\$ 825,727	44.91%	
8		[PROTECTED DATA BEGINS...				
9	Langdon Wind					
10	Ashtabula Wind					
11	Luverne Wind					
12	Merricourt					
13				...PROTECTED DATA ENDS]		
14	Total Wind	\$ -	\$ -	\$ -	0	
15						
16	Total Hydro	\$ -	\$ -	\$ -	0	
17		[PROTECTED DATA BEGINS...				
18	Jamestown 1					
19	Jamestown 2					
20	Lake Preston					
21				...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ 10,061	\$ 10,061	0	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 60,000	\$ 852,784	\$ 792,784	1321.31%	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	Total Solar	\$ -	\$ -	\$ -	0	
33						
34	Total OTP-Owned	\$ 1,898,708	\$ 3,527,280	\$ 1,628,572	85.77%	
35						
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount**	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (117,956)	\$ (313,085)	\$ (195,129)	165.42%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	555.23 DA Loss Amount	\$ 320,958	\$ 632,846	\$ 311,890	97.18%	
45	555.26 RT Loss Amount	\$ 14,515	\$ 48,156	\$ 33,641	231.76%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 55,138	\$ 54,307	\$ (831)	-1.51%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 7,964	\$ 8,366	\$ 401	5.04%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,265	\$ 2,111	\$ (154)	-6.79%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	555.20 RT Congestion	\$ 181,584	\$ 2,174,554	\$ 1,992,970	1097.55%	
55	555.10 RT FBT Congestion Amount	\$ 19,243	\$ 615,942	\$ 596,698	3100.80%	
56	555.14 FTR Hourly Allocation Amount	\$ (321,482)	\$ (4,828,404)	\$ (4,506,922)	1401.92%	
57	555.15 FTR Monthly Allocation Amount	\$ (18,134)	\$ (14,670)	\$ 3,464	-19.10%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (13,387)	\$ -	\$ 13,387	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (30,615)	\$ (155,359)	\$ (124,744)	407.45%	
61	555.37 FTR Guarantee Uplift Amount	\$ 34,419	\$ 155,359	\$ 120,940	351.37%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (323,729)	\$ (7,519,744)	\$ (7,196,015)	2222.85%	
63	555.38 FTR Annual Transaction Amount	\$ 319,942	\$ 7,517,112	\$ 7,197,171	2249.53%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,886	\$ 24,119	\$ 20,233	520.62%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (28,874)	\$ (70,150)	\$ (41,276)	142.95%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ 9,571	\$ 15,456	\$ 5,885	61.49%	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ (15,983)	\$ (6,561)	\$ 9,422	-58.95%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 19,075	\$ 16,357	\$ (2,718)	-14.25%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (15,936)	\$ (40,425)	\$ (24,489)	153.67%	
71	555.28 RT Price Volatility Make Whole Payment	\$ 47,497	\$ 121,110	\$ 73,613	154.98%	
72	555.25 RT Misc Amount	\$ 12,002	\$ 114,883	\$ 102,880	857.17%	
73	555.27 RT Net Inadvertent Amount	\$ 845	\$ (21,005)	\$ (21,850)	-2585.01%	
74	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
75	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 6,028	\$ (3,228)	-34.87%	
76	555.63 DA Ramp Product	\$ (276)	\$ (56)	\$ 220	-79.87%	
77	555.64 RT Ramp Product	\$ 120	\$ (831)	\$ (951)	-792.12%	
78	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 15,945	\$ 5,141	47.59%	
79	555.65 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
80	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
82	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 113,642	\$ 113,642	0	
86						
87						
88	Total MISO Wholesale Market Charges	\$ 109,551	\$ (1,398,781)	\$ (1,508,332)	-1376.83%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ 1,711	\$ 1,476	628.71%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ 691	\$ 669	3025.85%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ 29	\$ 14	90.03%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ 113	\$ 86	314.52%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ 148	\$ 119	405.41%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ 30	\$ 27	766.82%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ 0	\$ 0	-130.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (7,581)	\$ (12,208)	\$ (4,627)	61.03%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ 9	\$ 9	-1930.76%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (3)	\$ (3)	837.05%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (1)	\$ (1)	79.41%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (1)	\$ (1)	2894.06%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (3)	\$ (3)	62300.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (66,154)	\$ (191,246)	\$ (125,092)	189.09%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (17,233)	\$ (47,558)	\$ (30,326)	175.98%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ (0)	\$ (0)	336.36%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ 19	\$ 15	440.11%	
116	555.30 RT Schedule 1A4 Amount	\$ 18	\$ 91	\$ 73	399.07%	

117	555.31	DA Ramp Up Distribution Amount	\$ -	\$ 89	\$ 89	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$ -	\$ (2)	\$ (2)	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$ -	\$ (4)	\$ (4)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 14	\$ 18	\$ 5	33.65%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (0)	\$ (3)	\$ (3)	3015.79%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
125		Total SPP Wholesale Market Charges	\$ (123,325)	\$ (248,082)	\$ (124,756)	101.16%	
126							
127		MISO ASM					
128		Day Ahead Regulation Amount	\$ (35,147)	\$ (8,098)	\$ 27,049	-76.96%	
129		Real Time Regulation Amount	\$ 5,747	\$ (3,767)	\$ (9,514)	-165.55%	
130		Regulation Cost Distribution Amount	\$ 13,108	\$ 23,042	\$ 9,934	75.78%	
131		Day Ahead Short-Term Reserve Amount	\$ -	\$ (2,523)	\$ (2,523)	0	
132		Real Time Short-Term Reserve Amount	\$ -	\$ (196)	\$ (196)	0	
133		Short-Term Reserve Cost Distribution Amount	\$ -	\$ 4,232	\$ 4,232	0	
134		Day Ahead Spinning Reserve Amount	\$ (4,877)	\$ (17,431)	\$ (12,554)	257.43%	
135		Real Time Spinning Reserve Amount	\$ 1,474	\$ 195	\$ (1,280)	-86.80%	
136		Spinning Reserve Cost Distribution Amount	\$ 8,279	\$ 22,827	\$ 14,547	175.71%	
137		Day Ahead Supplemental Reserve Amount	\$ (7,584)	\$ (6,230)	\$ 1,354	-17.86%	
138		Real Time Supplemental Reserve Amount	\$ 2,323	\$ 1,387	\$ (926)	-39.88%	
139		Supplemental Reserve Cost Distribution Amount	\$ 2,267	\$ 3,102	\$ 835	36.83%	
140		Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,572	\$ 162	\$ (2,410)	-93.71%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
143		Net Regulation Adjustment Amount	\$ 1,676	\$ 55	\$ (1,621)	-96.70%	
144		Total MISO ASM	\$ (10,160)	\$ 16,765	\$ 26,926	-265.01%	
145							
146		Total Wholesale Market Charges	\$ 8,784	\$ (1,630,097)	\$ (1,638,881)	-18656.82%	
147							
148							
149							
150		Purchased Power					
151		Edgeley PPA	[PROTECTED DATA BEGINS...]				
152		Langdon PPA					
153		Ashtabula III PPA					
154		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance					
156		Shared Loads					
157		Small Co-gen					
158		Bilateral purchases					
159		Market Purchases					MISO and SPP Energy Only
160							
161		Total Purchases	\$ 5,579,002	\$ 9,608,283	\$ 4,029,281	72.22%	Tribal (WAPA) excluded from Total
162							
163		Wind Curtailment	\$ 46,446	\$ 183,104	\$ 136,658	294.23%	
164							
165		Asset Based Sales	\$ 18,403	\$ 678,398	\$ 659,995	3586.41%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$ 32,910	\$ 537,746	\$ 504,836	1534.01%	
167		Asset Based Margins	\$ (14,507)	\$ 140,652	\$ 155,159	-1069.55%	
168							
169		Steam Plant Reagents	\$ -	\$ 135,939	\$ 135,939	0	Effective July 2022 - Docket No. E017/GR-20-719
170							
171		Steam/Water Sales	\$ -	\$ (56,084)	\$ (56,084)	0	Effective July 2022 - Docket No. E017/GR-20-719
172							
173		Planning Resource Auction Revenues	\$ -	\$ (793,136)	\$ (793,136)	0	Effective June 2022
174							
175		Total System - Plant Level	\$ 7,514,539	\$ 10,296,892	\$ 2,782,353	37.03%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

October 2022 Forecast to Actual - MWh					
		October 2022 Forecast	October 2022 Actual		Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Hoot Lake plant closed in May 2021
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	56,263	115,865		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS]			
13	Total Wind	102,769	98,115		
14					
15	Total Hydro	1,699	508		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20		...PROTECTED DATA ENDS]			
21	Total Oil - Peaking Units	-	-		
22		[PROTECTED DATA BEGINS...]			
23	Natural gas - Solway				
24	Natural gas - Astoria				
25		...PROTECTED DATA ENDS]			
26	Total Natural Gas	-	13,047		
27		[PROTECTED DATA BEGINS...]			
28	Solar - Blue Jay				
29	Solar - Blue Heron				
30		...PROTECTED DATA ENDS]			
31	Total Solar	-	8		
32					
33	Total OTP-Owned	160,731	227,543		
34					
35	Wholesale Market Charges				
36	MISO Wholesale Market Charges				
37	555.02 DA Asset Energy Amount***	N/A	N/A		
38	555.04 DA FBT Loss Amount	N/A	N/A		
39	555.09 DA Non-asset Energy Amount***	N/A	N/A		
40	555.19 RT Asset Energy Amount***	N/A	N/A		
41	555.24 RT Distribution of Losses Amount	N/A	N/A		
42	555.21 RT FBT Loss Amount	N/A	N/A		
43	555.21 DA Loss Amount	N/A	N/A		
44	555.21 RT Loss Amount	N/A	N/A		
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
47	555.12 DA Virtual Energy Amount	N/A	N/A		
48	555.32 RT Virtual Energy Amount	N/A	N/A		
49	555.01 DA Mkt Admin Amount	N/A	N/A		
50	555.18 RT Mkt Admin Amount	N/A	N/A		
51	555.13 FTR Mkt Admin Amount	N/A	N/A		
52	555.03 DA FBT Congestion Amount	N/A	N/A		
53	555.03 DA Congestion	N/A	N/A		
54	555.2 RT FBT Congestion Amount	N/A	N/A		
55	555.2 RT Congestion	N/A	N/A		
56	555.14 FTR Hourly Allocation Amount	N/A	N/A		
57	555.15 FTR Monthly Allocation Amount	N/A	N/A		
58	555.17 FTR Yearly Allocation Amount	N/A	N/A		
59	555.35 FTR Monthly Transaction Amount	N/A	N/A		
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38 FTR Annual Transaction Amount	N/A	N/A		
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25 RT Misc Amount	N/A	N/A		
74	555.27 RT Net Inadvertent Amount	N/A	N/A		
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63 DA Ramp Product	N/A	N/A		
78	555.64 RT Ramp Product	N/A	N/A		
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05 DA Congestion Rebate on COGA	N/A	N/A		
83	555.06 DA Losses Rebate on COGA	N/A	N/A		
84	555.22 RT Congestion Rebate on COGA	N/A	N/A		
85	555.23 RT Loss Rebate on COGA	N/A	N/A		
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
87					
88	Total MISO Wholesale Market Charges				
89					
90	SPP Wholesale Market Charges				
91	555.19 DA Asset Energy Amount***	N/A	N/A		
92	555.03 DA Non-asset Energy Amount	N/A	N/A		
93	555.09 RT Asset Energy Amount***	N/A	N/A		
94	555.19 RT Non-Asset Energy Amount	N/A	N/A		
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23 Miscellaneous Amount	N/A	N/A		
113	555.26 ARR Closeout Yearly Amount	N/A	N/A		
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29 RT Schedule 1A3 Amount	N/A	N/A		

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	245,756	270,955	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	1,407	5,430	
164					
165		Asset Based Sales	975	15,025	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	406,918	488,903	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04

Total OTP-Owned 160,731
Total Purchases - Tribal Excluded 245,756
(Asset Based Sales) (975)

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05

Wind Curtailment 1,407
406,918

		October 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	October 2022 Forecast	October 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS		
6	Total Coal	\$ 32.68	\$ 23.00	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS		
26	Total Natural Gas	0	\$ 65.36	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 32.68	\$ 88.36	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 22.70	\$ 35.46	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 33.72	
164					
165		Asset Based Sales	\$ 18.87	\$ 45.15	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 18.47	\$ 21.06	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

November 2022 Forecast to Actual - Expense (Revenue)						
		November 2022 Forecast	November 2022 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5						
6		Total Coal	\$ 2,399,645	\$ 1,916,783	\$ (482,862)	-20.12%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13		Total Wind	\$ -	\$ -	\$ -	0
14						
15		Total Hydro	\$ -	\$ -	\$ -	0
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20						
21		Total Oil - Peaking Units	\$ -	\$ 6,687	\$ 6,687	0
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25						
26		Total Natural Gas	\$ 65,221	\$ 1,022,512	\$ 957,291	1467.76%
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30						
31		Total Solar	\$ -	\$ -	\$ -	0
32						
33		Total OTP-Owned	\$ 2,464,866	\$ 2,945,983	\$ 481,117	19.52%
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
38	555.04	DA FBT Loss Amount	\$ -	\$ -	\$ -	0
39	555.09	DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
40	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
41	555.24	RT Distribution of Losses Amount	\$ (136,665)	\$ (292,502)	\$ (155,837)	114.03%
42	555.21	RT FBT Loss Amount	\$ -	\$ -	\$ -	0
43	555.03	DA Loss Amount	\$ 371,861	\$ 704,777	\$ 332,915	89.53%
44	555.03	RT Loss Amount	\$ 16,818	\$ 21,860	\$ 5,043	29.98%
45	555.26	RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
46	555.08	DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0
47	555.12	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0
48	555.32	RT Virtual Energy Amount	\$ -	\$ -	\$ -	0
49	555.01	DA Mkt Admin Amount	\$ 61,554	\$ 65,515	\$ 3,961	6.43%
50	555.18	RT Mkt Admin Amount	\$ 8,495	\$ 9,680	\$ 1,185	13.95%
51	555.13	FTR Mkt Admin Amount	\$ 2,123	\$ 1,988	\$ (134)	-6.32%
52	555.03	DA FBT Congestion Amount	\$ -	\$ -	\$ -	0
53	555.20	DA Congestion	\$ 210,384	\$ 2,041,914	\$ 1,831,530	870.57%
54	555.20	RT Congestion Amount	\$ -	\$ -	\$ -	0
55	555.14	FTR Hourly Allocation Amount	\$ 22,295	\$ 296,168	\$ 273,873	1228.38%
56	555.14	FTR Monthly Allocation Amount	\$ (372,471)	\$ (4,714,341)	\$ (4,341,869)	1165.69%
57	555.15	FTR Yearly Allocation Amount	\$ (21,010)	\$ (206,378)	\$ (185,367)	882.27%
58	555.37	FTR Annual Transaction Amount	\$ -	\$ -	\$ -	0
59	555.35	FTR Full Funding Guarantee Amount	\$ (15,510)	\$ -	\$ 15,510	-100.00%
60	555.36	FTR Full Funding Guarantee Amount	\$ (19,736)	\$ 131,797	\$ 151,534	-767.79%
61	555.37	FTR Guarantee Uplift Amount	\$ 17,857	\$ (131,797)	\$ (149,654)	-838.07%
62	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (323,729)	\$ (7,519,744)	\$ (7,196,015)	2222.85%
63	555.38	FTR Annual Transaction Amount	\$ 319,942	\$ 7,517,112	\$ 7,197,171	2249.53%
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,886	\$ 24,127	\$ 20,241	520.83%
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (28,875)	\$ (70,150)	\$ (41,275)	142.95%
66	555.07	DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0
67	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 11,944	\$ 20,770	\$ 8,827	73.90%
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (3,933)	\$ (569)	\$ 3,364	-85.53%
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 35,905	\$ 16,830	88.23%
70	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%
71	555.42	RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (38,469)	\$ (22,533)	141.39%
72	555.28	RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ (56,673)	\$ (104,170)	-219.32%
73	555.25	RT Misc Amount	\$ 12,002	\$ (6,119)	\$ (18,121)	-150.98%
74	555.27	RT Net Inadvertent Amount	\$ 845	\$ 12,739	\$ 11,894	1407.08%
75	555.31	RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0
76	555.59	RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 47	\$ (9,209)	-99.49%
77	555.63	DA Ramp Product	\$ (654)	\$ (1,713)	\$ (1,060)	162.09%
78	555.64	RT Ramp Product	\$ 93	\$ (1,601)	\$ (1,694)	-1822.88%
79	555.65	RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 18,319	\$ 7,515	69.58%
80	555.55	RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
81	555.56	RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
82	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0
83	555.06	DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0
84	555.22	RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0
85	555.23	RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0
86	555.23	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 67,341	\$ 67,341	0
87						
88		Total MISO Wholesale Market Charges	\$ 128,248	\$ (2,147,178)	\$ (2,275,426)	-1774.24%
89						Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	SPP Wholesale Market Charges					
91	555.19	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
92	555.03	DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0
93	555.09	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
94	555.00	RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0
95	555.02	DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0
96	555.10	RT Make-Whole-Payment Distribution Amount	\$ 235	\$ (43)	\$ (277)	-118.15%
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ (127)	\$ (149)	-674.47%
99	555.04	DA Regulation-Down Distribution Amount	\$ 15	\$ (4)	\$ (19)	-124.98%
100	555.05	DA Regulation-Up Distribution Amount	\$ 27	\$ (8)	\$ (35)	-128.87%
101	555.06	DA Spinning Reserve Distribution Amount	\$ 29	\$ (6)	\$ (35)	-118.86%
102	555.07	DA Supplemental Reserve Distribution Amount	\$ 4	\$ (2)	\$ (5)	-149.83%
103	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%
104	555.11	RT Over-Collected Losses Distribution Amount	\$ (8,784)	\$ (19,456)	\$ (10,672)	121.50%
105	555.12	RT Regulation-Down Distribution Amount	\$ (0)	\$ (2)	\$ (1)	239.88%
106	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 1	\$ 1	-307.17%
107	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ 1	\$ 2	-282.56%
108	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ 0	\$ 0	-147.52%
109	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (0)	\$ (0)	453.85%
110	555.20	RT Pseudo Tie Congestion Amount	\$ (76,646)	\$ (169,983)	\$ (93,337)	121.78%
111	555.21	RT Pseudo Tie Loss Amount	\$ (19,966)	\$ (17,074)	\$ 2,892	-14.48%
112	555.23	Miscellaneous Amount	\$ (5)	\$ -	\$ 5	-100.00%
113	555.26	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0
114	555.28	RT Demand Reduction Distribution Amount	\$ (0)	\$ 0	\$ 0	-536.36%
115	555.29	RT Schedule 1A3 Amount	\$ 3	\$ (1)	\$ (4)	-121.20%

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	(4)	\$	(22)	-121.10%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	(1)	\$	(1)	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	0	\$	0	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(0)	\$	(0)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	(6)	\$	(19)	-140.78%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)	\$	0	\$	0	-157.14%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(206,713)	\$	(83,387)	67.62%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(63,513)	\$	(22,966)	\$	40,547	-63.84%	
129		Real Time Regulation Amount	\$	11,573	\$	6,032	\$	(5,541)	-47.88%	
130		Regulation Cost Distribution Amount	\$	17,516	\$	26,956	\$	9,440	53.90%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(7,446)	\$	(7,446)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	124	\$	124	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	11,386	\$	11,386	0	
134		Day Ahead Spinning Reserve Amount	\$	(13,303)	\$	(35,059)	\$	(21,756)	163.54%	
135		Real Time Spinning Reserve Amount	\$	5,508	\$	3,951	\$	(1,556)	-28.28%	
136		Spinning Reserve Cost Distribution Amount	\$	9,966	\$	34,669	\$	24,703	247.66%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,890)	\$	(5,610)	\$	280	-4.78%	
138		Real Time Supplemental Reserve Amount	\$	1,855	\$	(2,098)	\$	(3,953)	-213.09%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,402	\$	1,770	\$	368	26.24%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	(1,148)	\$	(3,720)	-144.62%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	(1,026)	\$	(2,702)	-161.21%	
144		Total MISO ASM	\$	(30,638)	\$	9,536	\$	40,174	-131.12%	
145										
146		Total Wholesale Market Charges	\$	(7,425)	\$	(2,344,355)	\$	(2,336,930)	31473.06%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	6,519,177	\$	11,818,168	\$	5,298,991	81.28%	Tribal (WAPA) excluded from Total
162			\$	2,310	\$	(11,039)	\$	(13,349)	-577.94%	
163		Wind Curtailment	\$	-	\$	-	\$	-	0	
164										
165		Asset Based Sales	\$	444	\$	448,878	\$	448,434	100925.02%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	406	\$	369,386	\$	368,980	90984.20%	
167		Asset Based Margins	\$	39	\$	79,493	\$	79,454	204879.44%	
168										
169		Steam Plant Reagents	\$	-	\$	96,219	\$	96,219	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	(46,882)	\$	(46,882)	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	(767,551)	\$	(767,551)	0	Effective June 2022
174										
175		Total System - Plant Level	\$	8,978,483	\$	11,241,663	\$	2,263,180	25.21%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

Line	Plant Generation	November 2022 Forecast to Actual - MWh		Notes
		November 2022 Forecast	November 2022 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	89,721	85,733	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	94,400	90,034	
14				
15	Total Hydro	1,644	106	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	-	-	
22		[PROTECTED DATA BEGINS...]		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS]		
26	Total Natural Gas	213	13,679	
27		[PROTECTED DATA BEGINS...]		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS]		
31	Total Solar	-	4	
32				
33	Total OTP-Owned	185,977	189,554	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	555.21 DA Loss Amount	N/A	N/A	
44	555.21 RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	555.02 DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	555.2 RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...PROTECTED DATA ENDS]		
161		Total Purchases	284,343	315,998	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	70	(288)	
164					
165		Asset Based Sales	15	13,889	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	470,376	491,375	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04

Total OTP-Owned 185,977
Total Purchases - Tribal Excluded 284,343
(Asset Based Sales) (15)

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05

Wind Curtailment 70
470,376

		November 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	November 2022 Forecast	November 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		(PROTECTED DATA ENDS)		
6	Total Coal	\$ 26.75	\$ 22.36	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		(PROTECTED DATA ENDS)		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		(PROTECTED DATA ENDS)		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		(PROTECTED DATA ENDS)		
26	Total Natural Gas	\$ 306.92	\$ 74.75	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		(PROTECTED DATA ENDS)		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 333.67	\$ 97.11	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 22.93	\$ 37.40	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 38.28	
164					
165		Asset Based Sales	\$ 30.03	\$ 32.32	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.09	\$ 22.88	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

December 2022 Forecast to Actual - Expense (Revenue)						
	December 2022 Forecast	December 2022 Actual				Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 4,422,602	\$ 2,169,127	\$ (2,253,476)	-50.95%	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12				...PROTECTED DATA ENDS]		
13	Total Wind	\$ -	\$ -	\$ -	0	
14						
15	Total Hydro	\$ -	\$ -	\$ -	0	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20				...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	\$ -	\$ 161,033	\$ 161,033	0	
22		[PROTECTED DATA BEGINS...				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25				...PROTECTED DATA ENDS]		
26	Total Natural Gas	\$ 340,181	\$ 1,600,026	\$ 1,259,846	370.35%	
27		[PROTECTED DATA BEGINS...				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30				...PROTECTED DATA ENDS]		
31	Total Solar	\$ -	\$ -	\$ -	0	
32						
33	Total OTP-Owned	\$ 4,762,783	\$ 3,930,186	\$ (832,597)	-17.48%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (154,218)	\$ (548,553)	\$ (394,335)	255.70%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	555.03 DA Loss Amount	\$ 419,622	\$ 758,859	\$ 339,237	80.84%	
44	555.04 RT Loss Amount	\$ 18,978	\$ 96,141	\$ 77,163	406.60%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 80,100	\$ 67,410	\$ (12,690)	-15.84%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 11,414	\$ 9,257	\$ (2,157)	-18.89%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 2,594	\$ 1,914	\$ (680)	-26.22%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	555.04 DA Congestion	\$ 237,405	\$ 2,293,950	\$ 2,056,545	866.26%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	555.05 RT Congestion	\$ 25,159	\$ 49,874	\$ 24,715	98.23%	
56	555.14 FTR Hourly Allocation Amount	\$ (420,310)	\$ (4,440,003)	\$ (4,019,692)	956.36%	
57	555.15 FTR Monthly Allocation Amount	\$ (23,709)	\$ (33,551)	\$ (9,843)	41.51%	
58	555.17 FTR Yearly Allocation Amount	\$ -	\$ -	\$ -	0	
59	555.35 FTR Monthly Transaction Amount	\$ (17,502)	\$ -	\$ 17,502	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (52,081)	\$ (31,255)	\$ 20,825	-39.99%	
61	555.37 FTR Guarantee Uplift Amount	\$ 52,170	\$ 31,255	\$ (20,915)	-40.09%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (317,882)	\$ (7,483,097)	\$ (7,165,215)	2254.05%	
63	555.38 FTR Annual Transaction Amount	\$ 315,506	\$ 7,480,579	\$ 7,165,073	2270.98%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,399	\$ 9,197	\$ 5,797	170.53%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (27,546)	\$ (108,463)	\$ (80,917)	293.75%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 12,648	\$ 21,864	\$ 9,217	72.87%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (2,415)	\$ (7,864)	\$ (5,449)	225.64%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 89,287	\$ 70,212	368.09%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (123,462)	\$ (107,526)	674.73%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ (313,987)	\$ (361,484)	-761.07%	
73	555.25 RT Misc Amount	\$ 12,002	\$ 11,589	\$ (414)	-3.45%	
74	555.27 RT Net Inadvertent Amount	\$ 845	\$ 38,458	\$ 37,613	4449.81%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 157	\$ (9,099)	-98.30%	
77	555.63 DA Ramp Product	\$ (395)	\$ (294)	\$ 101	-25.66%	
78	555.64 RT Ramp Product	\$ (110)	\$ (2,944)	\$ (2,834)	28766.47%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 20,222	\$ 9,418	87.17%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.24 Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 55,561	\$ 55,561	0	
87						
88	Total MISO Wholesale Market Charges	\$ 144,569	\$ (2,136,482)	\$ (2,281,051)	-1577.82%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.10 RT Make-Whole-Payment Distribution Amount	\$ 235	\$ (208)	\$ (443)	-188.46%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ (58)	\$ (80)	-364.03%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 15	\$ 0	\$ (15)	-99.47%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 27	\$ 0	\$ (27)	-99.34%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 29	\$ 0	\$ (29)	-99.28%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 4	\$ 0	\$ (3)	-99.43%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ 0	\$ 0	-100.00%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (9,912)	\$ (26,325)	\$ (16,413)	165.59%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-96.81%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.20 RT Pseudo Tie Congestion Amount	\$ (86,490)	\$ (389,594)	\$ (303,103)	350.45%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (22,530)	\$ (4,815)	\$ 17,715	-78.63%	
112	555.23 Miscellaneous Amount	\$ (5)	\$ (4)	\$ 1	-17.95%	
113	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ 0	\$ 0	-1627.27%	
115	555.29 RT Schedule 1A3 Amount	\$ 3	\$ 0	\$ (3)	-94.27%	

116	555.30	RT Schedule 1A4 Amount	\$	18	\$	0	\$	(18)	-99.23%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	(0)	\$	(14)	-100.15%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	(0)	\$	(0)	0	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(421,003)	\$	(297,678)	241.38%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(77,851)	\$	(16,512)	\$	61,339	-78.79%	
129		Real Time Regulation Amount	\$	21,255	\$	(57,374)	\$	(78,629)	-369.93%	
130		Regulation Cost Distribution Amount	\$	17,016	\$	32,126	\$	15,110	88.80%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(17,251)	\$	(17,251)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(82,139)	\$	(82,139)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	107,495	\$	107,495	0	
134		Day Ahead Spinning Reserve Amount	\$	(11,272)	\$	(5,249)	\$	6,022	-53.43%	
135		Real Time Spinning Reserve Amount	\$	547	\$	(104,688)	\$	(105,236)	-19227.77%	
136		Spinning Reserve Cost Distribution Amount	\$	9,090	\$	33,319	\$	24,229	266.56%	
137		Day Ahead Supplemental Reserve Amount	\$	(7,355)	\$	(25,001)	\$	(17,646)	239.90%	
138		Real Time Supplemental Reserve Amount	\$	2,492	\$	307,701	\$	305,209	12245.39%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,894	\$	(383)	\$	(2,278)	-120.23%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	81,178	\$	81,178	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	1,868	\$	(704)	-27.39%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	(16,231)	\$	(17,907)	-1068.18%	
144		Total MISO ASM	\$	(39,935)	\$	238,859	\$	278,794	-698.12%	
145										
146		Total Wholesale Market Charges	\$	(13,937)	\$	(2,318,626)	\$	(2,304,689)	16537.00%	
147										
148										
149		Purchased Power								
150										
151		Edgeley PPA								
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160										
161		Total Purchases	\$	7,043,071	\$	24,709,953	\$	17,666,882	250.84%	Tribal (WAPA) excluded from Total
162			\$	(11,633)	\$	148,176	\$	159,809	-1373.72%	
163		Wind Curtailment	\$	(11,633)	\$	148,176	\$	159,809	-1373.72%	
164										
165		Asset Based Sales	\$	790,544	\$	4,070,437	\$	3,279,892	414.89%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	576,625	\$	1,251,840	\$	675,215	117.10%	
167		Asset Based Margins	\$	213,919	\$	2,818,596	\$	2,604,677	1217.60%	
168										
169		Steam Plant Reagents	\$	-	\$	91,376	\$	91,376	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171		Steam/Water Sales	\$	-	\$	(29,637)	\$	(29,637)	0	Effective July 2022 - Docket No. E017/GR-20-719
172										
173		Planning Resource Auction Revenues	\$	-	\$	(869,891)	\$	(869,891)	0	Effective June 2022
174										
175		Total System - Plant Level	\$	10,989,740	\$	21,591,101	\$	10,601,361	96.47%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

Line	Plant Generation	December 2022 Forecast to Actual - MWh		Notes
		December 2022 Forecast	December 2022 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	188,768	80,456	
7		[PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	100,636	87,687	
14		[PROTECTED DATA BEGINS...		
15	Total Hydro	1,699	411	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS]		
21	Total Oil - Peaking Units	-	236	
22		[PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS]		
26	Total Natural Gas	9,835	22,650	
27		[PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS]		
31	Total Solar	-	2	
32		[PROTECTED DATA BEGINS...		
33	Total OTP-Owned	300,937	191,441	
34		[PROTECTED DATA BEGINS...		
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	555.21 DA Loss Amount	N/A	N/A	
44	555.21 RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	555.03 DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	555.2 RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	254,055	485,558	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	(352)	4,442	
164					
165		Asset Based Sales	24,045	14,743	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	530,595	666,698	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned 300,937
Total Purchases - Tribal Excluded 254,055
(Asset Based Sales) (24,045)
Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment (352)
530,595

		December 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	December 2022 Forecast	December 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		(PROTECTED DATA ENDS)		
6	Total Coal	\$ 23.43	\$ 26.96	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		(PROTECTED DATA ENDS)		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		(PROTECTED DATA ENDS)		
21	Total Oil - Peaking Units	\$ -	\$ -	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		(PROTECTED DATA ENDS)		
26	Total Natural Gas	\$ 34.59	\$ 70.64	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		(PROTECTED DATA ENDS)		
31	Total Solar	\$ -	\$ -	
32				
33	Total OTP-Owned	\$ 58.02	\$ 97.60	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 48 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			(PROTECTED DATA BEGINS...		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to E-AR - 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	\$ 27.72	\$ 50.89	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 33.36	
164					
165		Asset Based Sales	\$ 32.88	\$ 276.09	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 20.71	\$ 32.39	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		Year to Date 2022 Forecast to Actual Expense (Revenue)				Notes
		YTD 2022 Forecast	YTD 2022 Actual			
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coville					
3	Hoot Lake #2					Hoot Lake plant closed in May 2021
4	Hoot Lake #3					
5					...[PROTECTED DATA ENDS]	
6	Total Coal	\$ 37,702,195	\$ 44,363,283	\$ 6,661,088	17.67%	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12					...[PROTECTED DATA ENDS]	
13	Total Wind	\$	\$	\$	0	
14						
15	Total Hydro	\$	\$	\$	0	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20					...[PROTECTED DATA ENDS]	
21	Total Oil Peaking Units	\$ 188,147	\$ 479,355	\$ 291,208	154.78%	
22		[PROTECTED DATA BEGINS...]				
23	Natural gas - Solway					
24	Natural gas - Astoria					
25					...[PROTECTED DATA ENDS]	
26	Total Natural Gas	\$ 5,518,913	\$ 20,099,117	\$ 14,580,204	264.19%	
27		[PROTECTED DATA BEGINS...]				
28	Solar - Blue Jay					
29	Solar - Blue Heron					
30					...[PROTECTED DATA ENDS]	
31	Total Solar	\$	\$	\$	0	
32						
33	Total OTP Owned	\$ 43,409,256	\$ 64,941,756	\$ 21,532,500	49.60%	
34						
35	Wholesale Market Charges					
36	MISO Wholesale Market Charges					
37	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
39	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.24 RT Distribution of Losses Amount	\$ (1 553 220)	\$ (5 293 962)	\$ (3 740 742)	240.84%	
42	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
43	555.23 DA Loss Amount	\$ 4 226 265	\$ 13 335 954	\$ 9 109 689	215.55%	
44	555.24 RT Loss Amount	\$ 191 136	\$ 607 649	\$ 416 513	217.91%	
45	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
47	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
48	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.01 DA Mkt Admin Amount	\$ 749 822	\$ 735 641	\$ (14 181)	-1.89%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50	555.18 RT Mkt Admin Amount	\$ 93 762	\$ 101 683	\$ 7 921	8.45%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13 FTR Mkt Admin Amount	\$ 29 973	\$ 25 821	\$ (4 152)	-13.85%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
53	555.20 DA Congestion	\$ 2 391 047	\$ 33 348 742	\$ 30 957 695	1294.73%	
54	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
55	555.14 FTR Congestion	\$ 253 392	\$ 2 760 582	\$ 2 507 191	989.45%	
56	555.14 FTR Hourly Location Amount	\$ (4 233 196)	\$ (58 450 965)	\$ (54 217 769)	1280.78%	
57	555.15 FTR Monthly Allocation Amount	\$ (238 785)	\$ (1 304 357)	\$ (1 065 572)	446.25%	
58	555.17 FTR Yearly Allocation Amount	\$ (26 085)	\$ (531 221)	\$ (505 137)	1936.53%	
59	555.35 FTR Monthly Transaction Amount	\$ (176 277)	\$ -	\$ 176 277	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (199 038)	\$ 673 178	\$ 872 216	-438.22%	
61	555.37 FTR Guarantee Upfit Amount	\$ 206 210	\$ (716 186)	\$ (922 397)	-447.31%	
62	555.30 FTR Auction Revenue Rights Transaction Amount	\$ (3 243 841)	\$ (7 544 227)	\$ (54 300 986)	1673.96%	
63	555.38 FTR Annual Transaction Amount	\$ 3 224 980	\$ 57 509 852	\$ 54 284 872	1683.26%	
64	555.40 FTR Auction Revenue Rights Infeasible Upfit Amount	\$ 40 321	\$ 174 184	\$ 133 863	331.99%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (328 104)	\$ (988 659)	\$ (660 555)	201.32%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ (0)	\$ -	\$ 0	-100.00%	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 107 106	\$ 221 984	\$ 114 878	107.26%	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (60 102)	\$ (118 793)	\$ (58 690)	97.65%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 228 897	\$ 571 397	\$ 342 500	149.63%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (93 506)	\$ -	\$ 93 506	-100.00%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (191 232)	\$ (735 455)	\$ (544 223)	284.59%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ 569 963	\$ 996 907	\$ 426 944	74.80%	
73	555.25 RT Misc Amount	\$ 144 029	\$ 123 204	\$ (20 824)	-14.46%	
74	555.27 RT Net Load/vent Amount	\$ 10 143	\$ 70 182	\$ 60 039	591.91%	
75	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ 111 073	\$ 271 966	\$ 160 893	144.85%	
77	555.63 DA Ramp Product	\$ (11 901)	\$ (42 843)	\$ (30 942)	259.99%	
78	555.64 RT Ramp Product	\$ 226	\$ (18 196)	\$ (18 422)	-8142.20%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 129 647	\$ 185 990	\$ 56 343	43.46%	
80	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
81	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
83	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
86	Net Congestion and Losses Adjustment & No DA Generation Sched	\$ -	\$ 462 699	\$ 462 699	0	
87						
88	Total MISO Wholesale Market Charges	\$ 1 479 146	\$ (14 430 995)	\$ (15 910 141)	1075.63%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90	SPP Wholesale Market Charges					
91	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93	555.09 RT Asset Energy Amount	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.19 RT Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
95	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
96	555.1 RT Make-Whole-Payment Distribution Amount	\$ 2 818	\$ 25 970	\$ 23 152	821.66%	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 265	\$ 5 728	\$ 5 463	2059.55%	
99	555.04 DA Regulation-Down Distribution Amount	\$ 183	\$ 354	\$ 171	93.73%	
100	555.05 DA Regulation-Up Distribution Amount	\$ 327	\$ 1 357	\$ 1 030	315.31%	
101	555.06 DA Spinning Reserve Distribution Amount	\$ 352	\$ 1 658	\$ 1 306	371.11%	
102	555.07 DA Supplemental Reserve Distribution Amount	\$ 42	\$ 246	\$ 204	484.82%	
103	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (45)	\$ (45)	11244.54%	
104	555.11 RT Over-Collected Losses Distribution Amount	\$ (99 829)	\$ (269 406)	\$ (169 578)	169.87%	
105	555.12 RT Regulation-Down Distribution Amount	\$ (6)	\$ 70	\$ 76	-1316.77%	
106	555.13 RT Regulation Non-Performance Distribution Amount	\$ (4)	\$ (46)	\$ (43)	1133.63%	
107	555.14 RT Regulation-Up Distribution Amount	\$ (8)	\$ (50)	\$ (42)	548.79%	
108	555.16 RT Spinning Reserve Distribution Amount	\$ (1)	\$ (1)	\$ (1)	133.70%	
109	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (74)	\$ (74)	115038.06%	
110	555.2 RT Pseudo Tie Congestion Amount	\$ (871 093)	\$ (2 634 367)	\$ (1 763 273)	202.42%	
111	555.21 RT Pseudo Tie Loss Amount	\$ (226 915)	\$ (452 993)	\$ (226 078)	99.63%	
112	555.23 Miscellaneous Amount	\$ (60)	\$ (12)	\$ 48	-79.63%	
113	555.26 ARR Closeout Yearly Amount	\$ (90 189)	\$ (194 122)	\$ (103 933)	115.23%	
114	555.28 RT Demand Reduction Distribution Amount	\$ (0)	\$ 2	\$ 2	-2951.13%	
115	555.29 RT Schedule 1A3 Amount	\$ 42	\$ 165	\$ 123	294.79%	
116	555.30 RT Schedule 1A4 Amount	\$ 219	\$ 807	\$ 588	268.54%	
117	555.31 DA Ramp Up Distribution Amount	\$ -	\$ 814	\$ 814	0	New charge type in 2022
118	555.32 DA Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
119	555.33 RT Ramp Non Performance Distribution Amount	\$ -	\$ (12)	\$ (12)	0	New charge type in 2022

120	555.34	RT Ramp Up Distribution Amount	\$ -	\$ (58)	\$ (58)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 164	\$ 620	\$ 455	276.68%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (1)	\$ (3)	\$ (2)	373.17%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ (12)	\$ (28)	\$ (15)	126.18%	
125		Total SPP Wholesale Market Charges	\$ (1,283,711)	\$ (3,513,429)	\$ (2,229,717)	173.69%	
126							
127		MISO ASM					
128		Day Ahead Regulation Amount	\$ (702,658)	\$ (323,596)	\$ 379,062	-53.95%	
129		Real Time Regulation Amount	\$ 154,723	\$ (99,830)	\$ (254,553)	-164.52%	
130		Regulation Cost Distribution Amount	\$ 178,345	\$ 285,746	\$ 107,402	60.22%	
131		Day Ahead Short-Term Reserve Amount	\$ -	\$ (202,945)	\$ (202,945)	0	
132		Real Time Short-Term Reserve Amount	\$ -	\$ (83,389)	\$ (83,389)	0	
133		Short-Term Reserve Cost Distribution Amount	\$ -	\$ 200,059	\$ 200,059	0	
134		Day Ahead Spinning Reserve Amount	\$ (177,001)	\$ (443,521)	\$ (266,520)	150.57%	
135		Real Time Spinning Reserve Amount	\$ 23,254	\$ (83,199)	\$ (106,453)	-457.78%	
136		Spinning Reserve Cost Distribution Amount	\$ 131,352	\$ 257,614	\$ 126,262	96.12%	
137		Day Ahead Supplemental Reserve Amount	\$ (86,191)	\$ (264,153)	\$ (177,963)	206.48%	
138		Real Time Supplemental Reserve Amount	\$ 28,616	\$ 345,936	\$ 317,320	1108.88%	
139		Supplemental Reserve Cost Distribution Amount	\$ 28,922	\$ 41,021	\$ 12,099	41.83%	
140		Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ 81,185	\$ 81,185	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 30,865	\$ 18,232	\$ (12,633)	-40.93%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	
143		Net Regulation Adjustment Amount	\$ 20,117	\$ 9,412	\$ (10,705)	-53.21%	
144		Total MISO ASM	\$ (369,656)	\$ (261,428)	\$ 108,227	29.28%	
145							
146		Total Wholesale Market Charges	\$ (174,221)	\$ (18,205,852)	\$ (18,031,631)	10349.86%	
147							
148							
149		Purchased Power					
150			[PROTECTED DATA BEGINS...]				
151		Edgeley PPA					
152		Langdon PPA					
153		Ashtabula III PPA					
154		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance					
156		Shared Loads					
157		Small Co-gen					
158		Bilateral purchases					
159		Market Purchases					MISO and SPP Energy Only
160							
161		Total Purchases	\$ 68,415,446	\$ 119,095,331	\$ 50,679,885	74.08%	Tribal (WAPA) excluded from Total
162							
163		Wind Curtailment	\$ 135,545	\$ 752,132	\$ 616,587	454.89%	
164							
165		Asset Based Sales	\$ 7,674,755	\$ 17,662,312	\$ 9,987,557	130.14%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$ 4,501,599	\$ 12,303,307	\$ 7,801,708	173.31%	
167		Asset Based Margins	\$ 3,173,156	\$ 5,359,005	\$ 2,185,848	68.89%	
168							
169		Steam Plant Reagents	\$ -	\$ 1,361,327	\$ 1,361,327	0	Effective July 2022 - Docket No. E017/GR-20-719
170							
171		Steam/Water Sales	\$ -	\$ (587,137)	\$ (587,137)	0	Effective July 2022 - Docket No. E017/GR-20-719
172							
173		Planning Resource Auction Revenues	\$ -	\$ (5,347,776)	\$ (5,347,776)	0	Effective June 2022
174							
175		Total System Plant Level	\$ 104,111,271	\$ 144,347,469	\$ 40,236,198	38.65%	Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total

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

Approved Forecast in Docket E017/AA-21-311
Order dated 12/02/2021

\$ 104,111,271
\$ (0)

\$ 144,347,469 ties over to Attachment 1 - column (I) "Total System Energy Costs"

\$ 144,347,469 ties back to "2022 Actual" tab of 2022 Forecast Actual Tracker.xlsx

		Year to Date 2022 Forecast to Actual - MWh		Notes
		YTD 2022 Forecast	YTD 2022 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5				
6	Total Coal	1,488,626	1,819,294	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12				
13	Total Wind	1,124,903	1,034,186	
14				
15	Total Hydro	20,000	12,850	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20				
21	Total Oil - Peaking Units	791	1,050	
22		[PROTECTED DATA BEGINS...]		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25				
26	Total Natural Gas	186,480	260,837	
27		[PROTECTED DATA BEGINS...]		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30				
31	Total Solar	-	99	
32				
33	Total OTP-Owned	2,820,800	3,128,316	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Sc	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amo	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			[PROTECTED DATA ENDS]		
161		Total Purchases	2,697,570	2,921,421	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	4,105	22,625	
164					
165		Asset Based Sales	175,212	263,805	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	-	-	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	-	-	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	-	-	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	-	-	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	-	-	Effective June 2022
174					
175		Total System - Plant Level	5,347,263	5,808,558	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

5,808,558 ties back to "2021 Actual" tab of 2021 Forecast_Actual Tracker.xlsx

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04
Total OTP-Owned (Plant Gen)

2,820,800

Revised Att 3

Total Purchases - Tribal Excluded
(Asset Based Sales)

2,697,570
(175,212)

Revised Att 3
Revised Att 5

Att5 Rate CalculationMN OTP Initial Filing 2021-05-05
Wind Curtailment

4,105
5,347,263

		Year to Date 2022 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	YTD 2022 Forecast	YTD 2022 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Hoot Lake plant closed in May 2021
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS		
6	Total Coal	\$ 25.33	\$ 24.38	
7		(PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS		
13	Total Wind	\$ -	\$ -	
14				
15	Total Hydro	\$ -	\$ -	
16		(PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20		...PROTECTED DATA ENDS		
21	Total Oil - Peaking Units	\$ 237.85	\$ 456.58	
22		(PROTECTED DATA BEGINS...		
23	Natural gas - Solway			
24	Natural gas - Astoria			
25		...PROTECTED DATA ENDS		
26	Total Natural Gas	\$ 29.60	\$ 77.06	
27		(PROTECTED DATA BEGINS...		
28	Solar - Blue Jay			
29	Solar - Blue Heron			
30		...PROTECTED DATA ENDS		
31	Total Solar	N/A	\$ -	
32				
33	Total OTP-Owned	\$ 15.39	\$ 20.76	
34				
35	Wholesale Market Charges			
36	MISO Wholesale Market Charges			
37	555.02 DA Asset Energy Amount***	N/A	N/A	
38	555.04 DA FBT Loss Amount	N/A	N/A	
39	555.09 DA Non-asset Energy Amount***	N/A	N/A	
40	555.19 RT Asset Energy Amount***	N/A	N/A	
41	555.24 RT Distribution of Losses Amount	N/A	N/A	
42	555.21 RT FBT Loss Amount	N/A	N/A	
43	DA Loss Amount	N/A	N/A	
44	RT Loss Amount	N/A	N/A	
45	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
46	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
47	555.12 DA Virtual Energy Amount	N/A	N/A	
48	555.32 RT Virtual Energy Amount	N/A	N/A	
49	555.01 DA Mkt Admin Amount	N/A	N/A	
50	555.18 RT Mkt Admin Amount	N/A	N/A	
51	555.13 FTR Mkt Admin Amount	N/A	N/A	
52	555.03 DA FBT Congestion Amount	N/A	N/A	
53	DA Congestion	N/A	N/A	
54	555.2 RT FBT Congestion Amount	N/A	N/A	
55	RT Congestion	N/A	N/A	
56	555.14 FTR Hourly Allocation Amount	N/A	N/A	
57	555.15 FTR Monthly Allocation Amount	N/A	N/A	
58	555.17 FTR Yearly Allocation Amount	N/A	N/A	
59	555.35 FTR Monthly Transaction Amount	N/A	N/A	
60	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
61	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
62	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
63	555.38 FTR Annual Transaction Amount	N/A	N/A	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
66	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
67	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
70	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
71	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
72	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
73	555.25 RT Misc Amount	N/A	N/A	
74	555.27 RT Net Inadvertent Amount	N/A	N/A	
75	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
76	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
77	555.63 DA Ramp Product	N/A	N/A	
78	555.64 RT Ramp Product	N/A	N/A	
79	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
80	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
81	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
82	555.05 DA Congestion Rebate on COGA	N/A	N/A	
83	555.06 DA Losses Rebate on COGA	N/A	N/A	
84	555.22 RT Congestion Rebate on COGA	N/A	N/A	
85	555.23 RT Loss Rebate on COGA	N/A	N/A	
86	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	
87				
88	Total MISO Wholesale Market Charges			
89				
90	SPP Wholesale Market Charges			
91	555.19 DA Asset Energy Amount***	N/A	N/A	
92	555.03 DA Non-asset Energy Amount	N/A	N/A	
93	555.09 RT Asset Energy Amount***	N/A	N/A	
94	555 RT Non-Asset Energy Amount	N/A	N/A	
95	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
96	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
98	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
99	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
100	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
101	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
102	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
103	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
104	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
105	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
106	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
107	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
108	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
109	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
110	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
111	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
112	555.23 Miscellaneous Amount	N/A	N/A	
113	555.26 ARR Closeout Yearly Amount	N/A	N/A	
114	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	
115	555.29 RT Schedule 1A3 Amount	N/A	N/A	

116	555.30	RT Schedule 1A4 Amount	N/A	N/A	
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
125		Total SPP Wholesale Market Charges			
126					
127		MISO ASM			
128		Day Ahead Regulation Amount	N/A	N/A	
129		Real Time Regulation Amount	N/A	N/A	
130		Regulation Cost Distribution Amount	N/A	N/A	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A	
132		Real Time Short-Term Reserve Amount	N/A	N/A	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	
134		Day Ahead Spinning Reserve Amount	N/A	N/A	
135		Real Time Spinning Reserve Amount	N/A	N/A	
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	
138		Real Time Supplemental Reserve Amount	N/A	N/A	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	
143		Net Regulation Adjustment Amount	N/A	N/A	
144		Total MISO ASM			
145					
146		Total Wholesale Market Charges			
147					
148					
149		Purchased Power			
150			[PROTECTED DATA BEGINS...]		
151		Edgeley PPA			
152		Langdon PPA			
153		Ashtabula III PPA			
154		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance			
156		Shared Loads			
157		Small Co-gen			
158		Bilateral purchases			
159		Market Purchases			MISO and SPP Energy Only
160			...[PROTECTED DATA ENDS]		
161		Total Purchases	\$ 25.36	\$ 40.77	Tribal (WAPA) excluded from Total
162					
163		Wind Curtailment	\$ 33.02	\$ 33.24	
164					
165		Asset Based Sales	\$ 43.80	\$ 66.95	
166		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
167		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
168					
169		Steam Plant Reagents	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
170					
171		Steam/Water Sales	N/A	N/A	Effective July 2022 - Docket No. E017/GR-20-719
172					
173		Planning Resource Auction Revenues	N/A	N/A	Effective June 2022
174					
175		Total System - Plant Level	\$ 19.47	\$ 24.85	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Attachment 4
Docket No. E017/AA-21-311
Clean Versions of
Tariff Sheet MN 13.01 – Energy Adjustment Rider



Fergus Falls, Minnesota

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

Page 1 of 4
Eighteenth Revision

ENERGY ADJUSTMENT RIDER

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

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

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



Fergus Falls, Minnesota

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

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 costs associated with 100 percent of the Hoot Lake Solar plant output. N
N
13. Known MISO Planning Resource Auction capacity costs will be added to the energy adjustment rider or revenues will be credited (flow through) the energy adjustment rider. N
N



Fergus Falls, Minnesota

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

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, 10.07	1.0461
Large General Service non TOD	10.04, 10.06, 14.03	1.0207
Large General Service TOD – Winter On-Peak	10.05, 10.06, 11.01	1.2673
Large General Service TOD – Winter Shoulder	10.05, 10.06, 11.01	1.1106
Large General Service TOD – Winter Off-Peak	10.05, 10.06, 11.01	0.8499
Large General Service TOD – Summer On-Peak	10.05, 10.06, 11.01	1.2664
Large General Service TOD – Summer Shoulder	10.05, 10.06, 11.01	0.9956
Large General Service TOD – Summer Off-Peak	10.05, 10.06, 11.01	0.6896
Irrigation Service	11.02	0.9250
Outdoor Lighting	11.03, 11.04, 11.07	0.8645
OPA	11.05	1.0210
Controlled Service Deferred Load	14.01, 14.06	0.9513
Controlled Service Interruptible	14.04,	0.9883
Controlled Service Off-Peak	14.07, 14.12	0.9164

C
C
C
C
C
C
C

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

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



Fergus Falls, Minnesota

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

Page 4 of 4
Second Revision

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

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

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

Line No.	Based on Period Ending	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
1	COAL	177,860,048	144,737,782	173,546,168	55,630,414	85,279,786	154,847,302	207,219,376	221,095,848	183,480,872	105,871,282	73,781,758	77,465,948
2	BIOMASS	0	0	0	0	0	0	0	0	0	0	0	0
3	HYDRO	486,913	446,769	1,045,753	1,725,189	1,779,163	1,654,326	1,688,069	1,750,964	1,248,689	508,305	105,661	410,597
4	GAS	30,804,687	10,502,214	957,622	4,096,016	8,422,372	14,314,068	27,198,234	22,883,976	7,182,795	8,031,196	11,539,245	11,644,706
5	WIND	93,465,886	75,924,300	98,242,598	117,057,290	76,485,270	73,682,198	68,478,068	72,284,251	82,729,962	98,115,046	90,033,534	87,686,934
6	SOLAR	946	9,770	13,725	5,917	16,782	8,499	10,917	9,894	9,246	7,561	3,736	1,814
7	FUEL OIL	(58,378)	(8,647)	(16,105)	0	(134,078)	(75,223)	(47,834)	(88,660)	(262,370)	(15,329)	1,679	(312,277)
8	UNKNOWN	234,640,585	242,509,245	241,951,716	245,964,537	271,148,511	227,053,304	138,693,330	131,757,176	128,234,333	276,385,401	315,709,560	490,001,113
9	1-MONTH TOTAL	537,200,687	474,121,433	515,741,477	424,479,363	442,997,806	471,484,474	443,240,160	449,693,449	402,623,527	488,903,462	491,175,173	666,898,834

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

Based on Period Ending			Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Line No.	FUEL COSTS BY ENERGY TYPE:													
1	GENERATION	COAL	\$3,560,223	\$3,489,375	\$3,833,562	\$1,262,872	\$2,384,882	\$5,415,575	\$5,417,558	\$4,787,053	\$4,522,360	\$2,475,196	\$1,805,768	\$2,139,527
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	\$1,472,942	\$526,884	\$88,009	\$224,868	\$717,594	\$1,690,959	\$2,181,637	\$2,095,805	\$634,439	\$507,223	\$898,680	\$570,991
5		WIND	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		FUEL OIL	\$19,547	\$2,008	\$2,798	\$1,747	\$24,282	\$51,823	\$26,216	(\$49,416)	\$8,370	\$7,115	\$9,331	(\$641)
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	\$1,241,229	\$1,241,685	\$1,264,348	\$1,372,635	\$1,144,002	\$722,529	\$787,304	\$541,677	\$687,668	\$1,168,572	\$1,379,748	\$1,418,067
13		SOLAR	\$1,321	\$1,596	\$2,813	\$5,579	\$6,302	\$7,434	\$9,023	\$7,288	\$6,960	\$5,789	\$4,635	\$46
14		FUEL OIL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		UNKNOWN	\$4,741,008	\$5,419,621	\$5,572,840	\$5,133,778	\$6,938,952	\$7,606,158	\$3,883,826	\$5,464,817	\$5,928,647	\$6,926,133	\$7,911,052	\$18,333,002
16		1-MONTH TOTAL	\$11,036,271	\$10,681,168	\$10,764,370	\$8,001,479	\$11,216,014	\$15,494,479	\$12,305,564	\$12,847,223	\$11,788,444	\$11,090,028	\$12,009,214	\$22,460,992
17	RETAIL kWh SALES	1-MONTH TOTAL	482,448,774	461,377,536	446,527,559	409,647,973	351,240,674	363,865,633	368,366,138	387,057,252	349,232,882	319,965,945	382,935,886	449,364,382
18	ACTUAL COST (cents/kWh)		2.28755	2.31506	2.41068	1.95326	3.19326	4.25830	3.34058	3.31920	3.37553	3.46600	3.13609	4.99839
ONE-MONTH COST DISTRIBUTION BY ENERGY TYPE:														
19	GENERATION	COAL	0.73795	0.75629	0.85853	0.30828	0.67899	1.48834	1.47070	1.23678	1.29494	0.77358	0.47156	0.47612
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	0.30531	0.11420	0.01971	0.05489	0.20430	0.46472	0.59225	0.54147	0.18167	0.15852	0.23468	0.12707
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	0.00405	0.00044	0.00063	0.00043	0.00691	0.01424	0.00712	-0.01277	0.00240	0.00222	0.00244	-0.00014
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	0.25728	0.26913	0.28315	0.33508	0.32570	0.19857	0.21373	0.13995	0.19691	0.36522	0.36031	0.31557
31		SOLAR	0.00027	0.00035	0.00063	0.00136	0.00179	0.00204	0.00245	0.00188	0.00199	0.00181	0.00121	0.00001
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	0.98270	1.17466	1.24804	1.25322	1.97555	2.09038	1.05434	1.41189	1.69762	2.16465	2.06589	4.07976
34	ACTUAL COST (cents/kWh)		2.28755	2.31506	2.41068	1.95326	3.19326	4.25830	3.34058	3.31920	3.37553	3.46600	3.13609	4.99839

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

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

MONTHLY COST COMPONENTS BY FUEL TYPE

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

Cost of delivered coal by plant (1)

[PROTECTED DATA BEGINS

2007 Big Stone cost per Mbtu
2008 Big Stone cost per Mbtu
2009 Big Stone cost per Mbtu
2010 Big Stone cost per Mbtu
2011 Big Stone cost per Mbtu
2012 Big Stone cost per Mbtu
2013 Big Stone cost per Mbtu
2014 Big Stone cost per Mbtu
2015 Big Stone cost per Mbtu
2016 Big Stone cost per Mbtu
2017 Big Stone cost per Mbtu
2018 Big Stone cost per Mbtu
2019 Big Stone cost per Mbtu
2020 Big Stone cost per Mbtu
2021 Big Stone cost per Mbtu
2022 Big Stone cost per Mbtu

2007 Coyote cost per Mbtu
2008 Coyote cost per Mbtu
2009 Coyote cost per Mbtu
2010 Coyote cost per Mbtu
2011 Coyote cost per Mbtu
2012 Coyote cost per Mbtu
2013 Coyote cost per Mbtu
2014 Coyote cost per Mbtu
2015 Coyote cost per Mbtu
2016 Coyote cost per Mbtu
2017 Coyote cost per Mbtu
2018 Coyote cost per Mbtu
2019 Coyote cost per Mbtu
2020 Coyote cost per Mbtu
2021 Coyote cost per Mbtu
2022 Coyote cost per Mbtu

. . . PROTECTED DATA ENDS]

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

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

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

MONTHLY COST COMPONENTS BY FUEL TYPE

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

Cost of delivered natural gas

[PROTECTED DATA BEGINS

2007 Solway Plant cost per Mbtu
 2008 Solway Plant cost per Mbtu
 2009 Solway Plant cost per Mbtu
 2010 Solway Plant cost per Mbtu
 2011 Solway Plant cost per Mbtu
 2012 Solway Plant cost per Mbtu
 2013 Solway Plant cost per Mbtu
 2014 Solway Plant cost per Mbtu
 2015 Solway Plant cost per Mbtu
 2016 Solway Plant cost per Mbtu
 2017 Solway Plant cost per Mbtu
 2018 Solway Plant cost per Mbtu
 2019 Solway Plant cost per Mbtu
 2020 Solway Plant cost per Mbtu
 2021 Solway Plant cost per Mbtu
 2022 Solway Plant cost per Mbtu

2021 Astoria Plant cost per Mbtu
 2022 Astoria Plant cost per Mbtu

. . . PROTECTED DATA ENDS]

Cost of delivered nuclear fuel - not applicable**Cost of delivered oil**

2007 IC Plants and FF Control Ctr diesel, \$/Mbt.	15.79	15.07	15.07	15.21	15.43	15.50	15.86	15.43	16.07	16.00	16.07	16.07
2008 IC Plants and FF Control Ctr diesel, \$/Mbt.	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.	13.57	0.00	0.00	12.64	15.36	0.00	0.00	16.79	16.07	16.07	15.79	15.79
2010 IC Plants and FF Control Ctr diesel, \$/Mbt.	16.07	12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29	16.21	17.21
2011 IC Plants and FF Control Ctr diesel, \$/Mbt.	17.29	17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43	20.21	17.29
2012 IC Plants and FF Control Ctr diesel, \$/Mbt.	17.29	17.29	20.57	20.57	20.57	19.86	19.93	20.93	14.29	22.07	17.93	22.21
2013 IC Plants and FF Control Ctr diesel, \$/Mbt.	19.71	0.00	19.36	17.86	0.00	17.79	0.00	21.36	17.86	17.79	19.00	22.07
2014 IC Plants and FF Control Ctr diesel, \$/Mbt.	21.21	22.14	20.07	19.07	22.14	19.93	21.00	0.00	22.29	19.93	0.00	19.93
2015 IC Plants and FF Control Ctr diesel, \$/Mbt.	19.93	21.64	22.14	14.29	20.50	21.14	21.64	15.93	0.00	16.07	20.65	20.95
2016 IC Plants and FF Control Ctr diesel, \$/Mbt.	0.00	20.62	21.32	18.20	22.14	16.36	22.13	21.15	22.22	20.18	16.15	16.15
2017 IC Plants and FF Control Ctr diesel, \$/Mbt.	0.00	20.37	19.32	16.87	20.19	16.72	20.13	20.17	21.67	21.90	17.28	22.11
2018 IC Plants and FF Control Ctr diesel, \$/Mbt.	20.67	16.15	18.70	22.11	18.42	16.57	20.86	19.42	17.50	20.05	20.05	16.61
2019 IC Plants and FF Control Ctr diesel, \$/Mbt.	18.78	17.74	17.13	17.82	16.80	0.00	0.00	0.00	0.00	17.11	17.81	16.72
2020 IC Plants and FF Control Ctr diesel, \$/Mbt.	17.40	17.05	14.38	15.67	15.69	14.92	15.23	14.65	14.28	14.65	14.54	14.28
2021 IC Plants and FF Control Ctr diesel, \$/Mbt.	14.52	14.86	14.78	14.90	0.00	14.87	14.83	0.00	15.70	15.92	15.73	0.00
2022 IC Plants and FF Control Ctr diesel, \$/Mbt.	15.55	16.03	15.72	15.70	15.97	17.16	18.18	22.72	18.98	18.52	20.80	21.36

Cost of wholesale purchases (\$/MWh) without RSG or RNU charges (2)

2007 Purchased Power	38.64	82.81	55.89	64.08	56.05	59.22	46.31	41.13	47.17	44.61	53.65	63.58
2008 Purchased Power	61.28	74.56	69.65	68.19	39.65	49.85	57.12	52.07	42.47	45.91	49.02	52.47
2009 Purchased Power	59.90	59.86	32.18	26.22	34.01	32.41	32.04	38.92	37.51	44.60	36.69	41.36
2010 Purchased Power	58.11	57.90	49.57	49.04	37.80	33.02	37.69	41.60	40.25	39.47	28.31	33.43
2011 Purchased Power	35.68	35.89	31.89	32.53	38.17	84.70	12.52	48.38	35.39	31.31	26.86	32.18
2012 Purchased Power	31.08	30.72	30.75	25.00	29.55	34.91	38.41	45.41	38.95	28.64	30.13	31.64
2013 Purchased Power	33.82	32.37	31.50	36.33	35.14	30.56	36.22	38.82	47.32	31.31	31.04	39.19
2014 Purchased Power	39.32	48.75	49.66	27.76	48.69	33.97	32.60	29.36	28.60	33.58	33.55	34.85
2015 Purchased Power	38.50	35.43	35.23	28.46	28.50	27.05	28.15	31.51	27.51	27.00	21.91	21.44
2016 Purchased Power	27.88	25.03	23.90	23.15	22.89	24.35	34.24	36.67	29.49	24.10	26.47	27.93
2017 Purchased Power	29.77	25.82	27.00	28.86	28.80	28.26	28.93	26.62	25.05	25.17	31.12	22.29
2018 Purchased Power	36.16	31.00	27.24	29.54	29.23	28.62	38.93	36.53	30.21	28.62	30.66	34.45
2019 Purchased Power	29.84	36.30	34.16	28.04	24.78	22.66	24.02	22.08	27.57	22.86	27.63	24.12
2020 Purchased Power	23.99	26.18	24.00	21.89	18.96	14.65	19.85	20.78	18.99	19.48	12.12	26.77
2021 Purchased Power	24.25	41.25	21.37	15.23	16.15	19.39	32.82	31.97	17.51	32.50	42.46	24.88
2022 Purchased Power	25.76	27.94	28.19	26.27	28.88	36.23	36.56	48.30	52.06	28.94	29.94	45.94

(2) Is not retail

[illegible]

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

Charge Type Description		System - Retail January - December 2022	Minnesota - Retail January - December 2022
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss		
1	DA Asset Energy Amount	\$ 95,811,833.48	\$ 43,920,623.53
2	DA FBT Loss Amount	\$ -	\$ -
3	DA Non-asset Energy Amount	\$ (2,694,757.63)	\$ (1,235,290.37)
4	RT Asset Energy Amount	\$ (4,436,627.92)	\$ (2,033,772.42)
5	RT Distribution of Losses Amount	\$ (5,293,961.81)	\$ (2,426,778.56)
6	RT FBT Loss Amount	\$ -	\$ -
7	DA Loss Amount	\$ 13,335,953.67	\$ 6,113,267.84
8	RT Loss Amount	\$ 607,648.67	\$ 278,549.19
9	RT Non-Asset Energy Amount	\$ 6,086.54	\$ 2,790.10
10	DA Losses Rebate on Option B GFA	\$ -	\$ -
Virtual Energy			
11	DA Virtual Energy Amount	\$ -	\$ -
12	RT Virtual Energy Amount	\$ -	\$ -
Schedules 16 & 17			
13	DA Mkt Admin Amount	\$ 735,641.40	\$ 337,221.70
14	RT Mkt Admin Amount	\$ 101,682.94	\$ 46,611.97
15	FTR Mkt Admin Amount	\$ 25,820.88	\$ 11,836.42
Congest & FTRs			
16	DA FBT Congestion Amount	\$ -	\$ -
17	DA Congestion	\$ 33,348,742.13	\$ 15,287,230.14
18	RT FBT Congestion Amount	\$ -	\$ -
19	RT Congestion	\$ 2,760,582.48	\$ 1,265,464.81
20	FTR Hourly Allocation Amount	\$ (58,450,965.43)	\$ (26,794,214.81)
21	FTR Monthly Allocation Amount	\$ (1,304,356.53)	\$ (597,923.56)
22	FTR Yearly Allocation Amount	\$ (531,221.25)	\$ (243,514.48)
23	FTR Monthly Transaction Amount	\$ -	\$ -
24	FTR Full Funding Guarantee Amount	\$ 673,178.00	\$ 308,588.16
25	FTR Guarantee Uplift Amount	\$ (716,186.14)	\$ (328,303.31)
26	FTR Auction Revenue Rights Transaction Amount	\$ (57,544,226.59)	\$ (26,378,561.19)
27	FTR Annual Transaction Amount	\$ 57,509,852.20	\$ 26,362,803.80
28	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 174,183.65	\$ 79,846.66
29	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (988,659.05)	\$ (453,206.25)
30	DA Congestion Rebate on Option B GFA	\$ -	\$ -
RSG & Make Whole Payments			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 221,983.53	\$ 101,758.36
32	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (118,792.83)	\$ (54,455.23)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 571,397.16	\$ 261,931.32
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ -
35	RT Price Volatility Make Whole Payment	\$ (735,455.38)	\$ (337,136.42)
Revenue Neutrality Uplift			
36	RT Revenue Neutrality Uplift Amount	\$ 996,306.71	\$ 456,711.98
Other Charges			
37	RT Misc Amount	\$ 123,204.34	\$ 56,477.49
38	RT Net Inadvertent Amount	\$ 70,181.91	\$ 32,171.74
39	RT Uninstructed Deviation Amount	\$ -	\$ -
40	RT Demand Response Allocation Uplift Amount	\$ 271,965.84	\$ 124,670.50
41	DA Ramp Product	\$ (42,843.34)	\$ (19,639.60)
42	RT Ramp Product	\$ (18,195.89)	\$ (8,341.09)
43	RT Schedule 49 Cost Distribution Amount	\$ 185,989.51	\$ 85,258.52
ASM Charges			
44	RT ASM Non-Excessive Energy Amount	\$ 13,942,154.76	\$ 6,391,153.45
45	RT ASM Excessive Energy Amount	\$ 28,018.42	\$ 12,843.78
Grandfathered Charge Types			
46	DA Congestion Rebate on COGA	\$ -	\$ -
47	DA Losses Rebate on COGA	\$ -	\$ -
48	RT Congestion Rebate on COGA	\$ -	\$ -
49	RT Loss Rebate on COGA	\$ -	\$ -
50	TOTAL CHARGES	\$ 88,626,158.43	\$ 40,626,674.16
51	Less Schedule 16 & 17 (Lines 13, 14, 15)	\$ (863,145.22)	
52	Congestion and Losses Adjustment	\$ 563,234.57	
53	No DA generation sch., but still had output	\$ (100,535.43)	
54	Total 2022 MISO Charges	\$ 88,225,712.36	

Percent of Minnesota Sales to System 2,555,805,696 / 5,575,424,134 = 0.458405609

Fuel Costs Allocated to Minnesota \$144,347,469 x 0.458405609 = \$66,169,689

62	No DA generation sch., but still had output for current month
----	---

59	TOTAL MONTHLY CHARGES
60	Less Schedule 16 & 17 (Lines 16, 17, 18)
61	Congestion and Losses Adjustment
62	No DA generation sch., but still had output for current month

62	No DA generation sch., but still had output for current month
----	---

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
March 2022 includes any adjustments

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Charge Type Description	Acct	RETAIL			ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (22,727,851.42)		\$ 17,265,816.31								
66	Net Retail for MN Energy Adjustment Rider				\$ (5,462,035.11)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)													
69	Less: Fuel Cost							\$ 20,497	\$ 630,278.00				\$ -	
70	Less: Misc Cost Adjustment							\$	512,607.01				\$ -	
71	Plus: Capacity Revenue							\$	-				\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales							\$	276.11				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							\$	117,394.88				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System April 2022 includes any adjustments																									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)											
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE														
No.	Day Ahead & Real Time Energy		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue											
1	DA Asset Energy Amount	555.02	(428,627)	\$ (14,463,055.19)	254,303	\$ 7,918,512.86	0	\$ -	294	\$ 10,752.71	0	\$ -	0	\$ -											
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,224	\$ 181,112.95	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
3	RT Asset Energy Amount	555.19	(29,529)	\$ (574,403.89)	10,455	\$ 317,678.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
5	SUBTOTAL		(458,156)	\$ (15,037,459.08)	268,981	\$ 8,417,304.26	0	\$ -	294	\$ 10,752.71	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	\$ (64,657.47)	0	\$ 457,657.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
9	DA Loss Amount		0	\$ (1,042,726.33)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
10	RT Loss Amount		0	\$ (138,034.83)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
12	SUBTOTAL		0	\$ (1,245,418.63)	0	\$ 457,657.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
Virtual Energy																									
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
Schedules 16 & 17																									
16	DA Mkt Admin Amount	555.01	0	\$ (61,547.36)	0	\$ -	0	\$ (27.26)	0	\$ -	0	\$ -	0	\$ -											
17	RT Mkt Admin Amount	555.18	0	\$ (8,229.01)	0	\$ 956.96	0	\$ (1,457.94)	0	\$ 1.87	0	\$ -	0	\$ -											
18	FTR Mkt Admin Amount	555.13	0	\$ (2,101.44)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
19	SUBTOTAL		0	\$ (71,877.81)	0	\$ 956.96	0	\$ (1,485.20)	0	\$ 1.87	0	\$ -	0	\$ -											
Congestion & FTRs																									
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
21	DA Congestion		0	\$ -	0	\$ (2,892,775.77)	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
23	RT Congestion		0	\$ (439,451.05)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
24	FTR Hourly Allocation Amount	555.14	0	\$ (738,685.09)	0	\$ 6,980,658.18	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 82,494.83	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	\$ (80,916.16)	0	\$ 81,455.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
29	FTR Guarantee Uplift Amount	555.37	0	\$ (81,455.03)	0	\$ 80,916.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (158,019.07)	0	\$ 1,772,963.93	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
31	FTR Annual Transaction Amount	555.38	0	\$ (1,769,902.19)	0	\$ 158,018.96	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (16,761.79)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 53,686.43	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
35	SUBTOTAL		0	\$ (3,285,190.38)	0	\$ 6,317,417.75	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
RSG & Make Whole Payments																									
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (13,926.10)	0	\$ -	0	\$ (427.25)	0	\$ -	0	\$ -	0	\$ -											
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 768.49	0	\$ -	0	\$ 0.06	0	\$ -	0	\$ -											
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (27,938.97)	0	\$ 932.43	0	\$ (857.14)	0	\$ 28.53	0	\$ -	0	\$ -											
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 72,027.90	0	\$ -	0	\$ -											
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 20,028.16	0	\$ -	0	\$ 614.73	0	\$ -	0	\$ -											
41	SUBTOTAL		0	\$ (41,865.07)	0	\$ 21,729.08	0	\$ (1,284.39)	0	\$ 72,671.22	0	\$ -	0	\$ -											
RNU & Misc Charges																									
42	RT Misc Amount	555.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
43	RT Net Inadvertent Amount	555.27	0	\$ (58,286.12)	0	\$ 51,916.39	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (275,551.89)	0	\$ 28,019.42	0	\$ (8,457.45)	0	\$ 859.87	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	\$ (33,270.85)	0	\$ 285.52	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
47	DA Ramp Product	555.63	0	\$ -	0	\$ 4,615.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
48	RT Ramp Product	555.64	0	\$ (963.25)	0	\$ 474.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (22,328.43)	0	\$ 8.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -											
50	SUBTOTAL		0	\$ (390,400.54)	0	\$ 85,318.88	0	\$ (8,457.45)	0	\$ 859.87	0	\$ -	0	\$ -											
ASM Charges																									
51	RT ASM Non-Excessive Energy Amount	555.55	(26,182)	\$ (846,461.39)	20,105	\$ 382,390.86	(46)	\$ (2,105.67)	15,485	\$ 695,259.36	0	\$ -	0	\$ -											
52	RT ASM Excessive Energy Amount	555.56	(29)	\$ (3,192.00)	109	\$ 946.26	0	\$ (434.90)	13	\$ -	0	\$ -	0	\$ -											
53	SUBTOTAL		(26,211)	\$ (849,653.39)	20,213	\$ 383,337.12	(46)	\$ (2,540.57)	15,498	\$ 695,259.36	0	\$ -	0	\$ -											
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																									
59	Less Schedule 16 & 17 (Lines 16, 17, 18)		(484,367)	\$ (20,921,864.90)	289,195	\$ 15,683,721.65	(46)	\$ (13,767.61)	15,792	\$ 779,545.03	0	\$ -	0	\$ -											
60	Congestion and Losses Adjustment			\$ (71,877.81)		\$ 956.96																			
61	No DA generation sch., but still had output for current month			\$ 61,476.71																					
62				\$ -																					

62	No DA generation sch., but still had output for current month
----	---

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
June 2022 includes any adjustments

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Charge Type Description	Acct	RETAIL			ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (31,628,050.47)		\$ 23,765,129.86								
66	Net Retail for MN Energy Adjustment Rider			\$ (7,862,920.61)										
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)													
69	Less: Fuel Cost							23,571	\$ 1,226,201.23				\$ -	
70	Less: Misc Cost Adjustment								\$ 1,227,508.97				\$ -	
71	Plus: Capacity Revenue								\$ -				\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales								\$ 296.33				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ (1,604.07)				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System July 2022 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Day Ahead & Real Time Energy														
1	DA Asset Energy Amount	555.02	(412,902)	\$ (18,584,513.91)	346,810	\$ 16,208,735.13	0	\$ -	13,646	\$ 975,619.76	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,738	\$ 258,143.33	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(12,922)	\$ (975,008.84)	20,702	\$ 841,722.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(425,824)	\$ (19,559,522.75)	371,249	\$ 17,308,601.10	0	\$ -	13,646	\$ 975,619.76	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	\$ (12,267.85)	0	\$ 541,825.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (1,455,346.82)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 84,944.57	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (1,382,670.10)	0	\$ 541,825.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (59,635.19)	0	\$ -	0	\$ (1,116.31)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (9,351.95)	0	\$ 196.28	0	\$ (1,805.59)	0	\$ 0.20	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,560.64)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (71,547.78)	0	\$ 196.28	0	\$ (2,921.90)	0	\$ 0.20	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,999,677.31)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ 181,713.96	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (526,429.30)	0	\$ 2,843,855.13	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 2,941.02	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	\$ (2,941.02)	0	\$ 2,856.90	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (2,856.90)	0	\$ 2,941.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (637,288.56)	0	\$ 7,200,972.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (7,198,060.56)	0	\$ 637,421.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (9,195.02)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 125,259.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (8,195,057.40)	0	\$ 8,816,570.75	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (15,022.42)	0	\$ -	0	\$ (1,048.63)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 1,918.04	0	\$ -	0	\$ 5,228.81	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (62,493.55)	0	\$ 1,226.14	0	\$ (4,362.75)	0	\$ 85.43	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 169,268.76	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 131,811.74	0	\$ -	0	\$ 9,202.53	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (77,515.97)	0	\$ 134,955.92	0	\$ (5,411.38)	0	\$ 183,785.53	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (22,661.32)	0	\$ 14,112.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (114,437.70)	0	\$ 23,517.73	0	\$ (7,989.28)	0	\$ 1,641.70	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	\$ (43,603.33)	0	\$ 604.66	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 3,170.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (876.67)	0	\$ 2,824.41	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (16,614.90)	0	\$ 0.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (198,193.92)	0	\$ 44,229.75	0	\$ (7,989.28)	0	\$ 1,641.70	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(62,300)	\$ (2,184,772.36)	11,362	\$ 385,590.82	(2,590)	\$ (158,302.58)	17,438	\$ 836,665.66	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	0	\$ (113.97)	100	\$ 29.98	0	\$ -	4	\$ 56.97	0	\$ -	0	\$ -
53	SUBTOTAL		(62,300)	\$ (2,184,886.33)	11,462	\$ 385,620.80	(2,590)	\$ (158,302.58)	17,442	\$ 836,722.63	0	\$ -	0	\$ -
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														
59	Less Schedule 16 & 17 (Lines 16, 17, 18)		(488,123)	\$ (31,669,394.25)	382,711	\$ 27,231,999.69	(2,590)	\$ (174,625.14)	31,088	\$ 1,997,769.82	0	\$ -	0	\$ -
60	Congestion and Losses Adjustment			\$ (71,547.78)		\$ 196.28								
61	No DA generation sch., but still had output for current month			\$ (7,852.83)										
62				\$ -										

Otter Tail Power Company Detail of MISO Day 2 Charges - System August 2022 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
No.	Day Ahead & Real Time Energy		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1	DA Asset Energy Amount	555.02	(466,629)	\$ (25,332,046.65)	394,033	\$ 21,608,757.36	0	\$ -	16,653	\$ 1,163,497.87	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,525	\$ 359,065.73	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(21,128)	\$ (959,894.80)	15,357	\$ 680,879.27	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(487,756)	\$ (26,291,941.45)	413,915	\$ 22,648,702.36	0	\$ -	16,653	\$ 1,163,497.87	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	\$ (26,706.94)	0	\$ 621,791.84	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (1,719,290.04)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (5,543.01)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (1,751,539.99)	0	\$ 621,791.84	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (66,350.85)	0	\$ -	0	\$ (1,299.04)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (8,538.45)	0	\$ 357.64	0	\$ (2,417.46)	0	\$ 16.15	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,648.56)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (77,537.86)	0	\$ 357.64	0	\$ (3,716.50)	0	\$ 16.15	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (831,408.84)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (393,893.30)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (916,384.94)	0	\$ 1,661,419.44	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 2,762.74	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	\$ (2,762.74)	0	\$ 5,586.98	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (5,586.98)	0	\$ 2,762.74	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (637,288.56)	0	\$ 7,200,972.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (7,198,060.56)	0	\$ 637,421.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (9,195.02)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 125,259.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (9,163,172.10)	0	\$ 8,804,777.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (21,364.60)	0	\$ 0.13	0	\$ (2,117.24)	0	\$ 0.01	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 42,936.03	0	\$ -	0	\$ 48,458.77	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (67,583.75)	0	\$ 2,729.22	0	\$ (6,697.80)	0	\$ 270.33	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 228,901.81	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 83,177.96	0	\$ -	0	\$ 8,243.80	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (88,948.35)	0	\$ 128,843.34	0	\$ (8,815.04)	0	\$ 285,874.66	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (1,634.34)	0	\$ 612.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (30,518.95)	0	\$ 17,998.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (42,384.37)	0	\$ 43,494.48	0	\$ (4,200.49)	0	\$ 4,310.31	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	\$ (10,189.68)	0	\$ 1,387.30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 1,809.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (730.65)	0	\$ 2,993.46	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (19,913.67)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (105,371.66)	0	\$ 68,294.91	0	\$ (4,200.49)	0	\$ 4,310.31	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(51,815)	\$ (2,299,019.79)	17,024	\$ 401,467.64	(1,924)	\$ (95,775.93)	25,324	\$ 1,366,338.07	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(197)	\$ 146.72	5	\$ 146.72	0	\$ -	0	\$ 4.28	0	\$ -	0	\$ -
53	SUBTOTAL		(52,012)	\$ (2,299,019.79)	17,030	\$ 401,614.36	(1,924)	\$ (95,775.93)	25,324	\$ 1,366,342.35	0	\$ -	0	\$ -
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														
59	Less Schedule 16 & 17 (Lines 16, 17, 18)		(539,768)	\$ (39,777,531.20)	430,945	\$ 32,674,381.50	(1,924)	\$ (112,507.96)	41,977	\$ 2,820,041.34	0	\$ -	0	\$ -
60	Congestion and Losses Adjustment			\$ (77,537.86)		\$ 357.64								
61	No DA generation sch., but still had output for current month			\$ (111,992.08)										
62				\$ (48,659.13)										

Other Tail Power Company Detail of MISO Day 2 Charges - System September 2022 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(436,663)	\$ (24,251,819.36)	365,090	\$ 20,509,086.32	0	\$ -	14,304	\$ 1,157,379.47	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,999	\$ 305,264.98	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(14,442)	\$ (436,208.82)	23,638	\$ 1,233,653.58	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	(52)	\$ (2,909.06)	0	\$ 6.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(451,156)	\$ (24,690,937.24)	392,727	\$ 22,048,011.08	0	\$ -	14,304	\$ 1,157,379.47	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	\$ (25,587.39)	0	\$ 564,496.48	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (1,610,092.73)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 7,013.43	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (1,628,666.69)	0	\$ 564,496.48	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (67,407.65)	0	\$ -	0	\$ (1,241.04)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (8,779.69)	0	\$ 272.53	0	\$ (1,781.85)	0	\$ -	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,391.84)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (78,579.18)	0	\$ 272.53	0	\$ (3,022.89)	0	\$ -	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (2,378,552.68)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (581,452.01)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (635,449.02)	87	\$ 3,844,827.56	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 5,338.95	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	\$ (5,324.87)	0	\$ 8,439.88	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (8,439.88)	0	\$ 5,324.87	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (544,469.05)	0	\$ 8,064,212.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (8,062,427.35)	0	\$ 545,314.94	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (24,143.11)	0	\$ 24.15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (549.09)	0	\$ 70,699.59	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (9,862,254.38)	0	\$ 10,165,629.89	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (18,437.50)	0	\$ -	0	\$ (1,336.00)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 20,741.47	0	\$ -	0	\$ 14,545.09	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (53,223.11)	0	\$ 1,201.96	0	\$ (3,856.82)	0	\$ 86.96	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 166,233.18	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 56,755.12	0	\$ -	0	\$ 4,113.14	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (71,660.61)	0	\$ 78,698.55	0	\$ (5,192.82)	0	\$ 184,978.37	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (832.94)	0	\$ 544.24	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (26,469.85)	0	\$ 18,765.87	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (87,858.74)	0	\$ 21,484.32	0	\$ (6,366.98)	0	\$ 1,556.80	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	\$ (6,333.52)	0	\$ 140.87	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 3,119.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (363.47)	0	\$ 2,921.72	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (13,889.04)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (135,747.56)	0	\$ 46,976.70	0	\$ (6,366.98)	0	\$ 1,556.80	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(52,453)	\$ (2,270,500.61)	15,033	\$ 234,259.95	(749)	\$ (19,371.02)	17,152	\$ 989,921.76	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	0	\$ (449.22)	87	\$ -	0	\$ -	111	\$ 1,733.01	0	\$ -	0	\$ -
53	SUBTOTAL		(52,453)	\$ (2,270,949.83)	15,121	\$ 234,259.95	(749)	\$ (19,371.02)	17,263	\$ 991,654.77	0	\$ -	0	\$ -
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														
59	Less Schedule 16 & 17 (Lines 16, 17, 18)		(503,610)	\$ (38,738,795.49)	407,848	\$ 33,138,345.18	(749)	\$ (33,953.71)	31,567	\$ 2,335,569.41	0	\$ -	0	\$ -
60	Congestion and Losses Adjustment			\$ (78,579.18)		\$ 272.53								
61	No DA generation sch., but still had output for current month			\$ (77,396.73)										
62				\$ (41,444.10)										

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
September 2022 includes any adjustments

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Charge Type Description	Acct	RETAIL			ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (38,541,375.48)		\$ 33,138,072.65								
66	Net Retail for MN Energy Adjustment Rider				\$ (5,403,302.83)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)													
69	Less: Fuel Cost								\$ 2,301,615.70				\$ -	
70	Less: Misc Cost Adjustment						30,818		\$ 2,030,561.09				\$ -	
71	Plus: Capacity Revenue								\$ -				\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales								\$ 464.96				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 270,589.65				\$ -	

Otter Tail Power Company Detail of MISO Day 2 Charges - System October 2022 includes any adjustments														
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL		ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE					
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(454,602)	\$ (15,325,101.31)	250,941	\$ 7,840,673.39	0	\$ -	157	\$ 5,196.94	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,971	\$ 174,410.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(16,825)	\$ (233,818.97)	19,555	\$ 636,767.62	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(471,428)	\$ (15,558,920.28)	274,467	\$ 8,651,851.65	0	\$ -	157	\$ 5,196.94	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	\$ (44,433.63)	0	\$ 357,518.87	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (632,846.13)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (48,156.39)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (725,436.15)	0	\$ 357,518.87	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (54,307.36)	0	\$ -	0	\$ (14.03)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (8,569.27)	0	\$ 203.66	0	\$ (1,241.55)	0	\$ 0.46	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,111.04)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (64,987.67)	0	\$ 203.66	0	\$ (1,255.58)	0	\$ 0.46	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (2,174,553.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (615,941.77)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (315,101.32)	0	\$ 5,143,505.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 14,670.39	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	\$ (14,453.54)	0	\$ 169,812.75	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (169,812.75)	0	\$ 14,453.54	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (544,469.05)	0	\$ 8,064,212.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (8,062,427.35)	0	\$ 545,314.94	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (24,118.96)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 70,150.41	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (9,746,324.74)	0	\$ 11,847,566.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (15,455.99)	0	\$ -	0	\$ (513.50)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 6,561.33	0	\$ -	0	\$ -	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (19,865.26)	0	\$ 3,508.22	0	\$ (659.65)	0	\$ 116.35	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 24,005.70	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (15.05)	0	\$ 40,439.75	0	\$ (0.49)	0	\$ 1,343.95	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (35,336.30)	0	\$ 50,509.30	0	\$ (1,173.64)	0	\$ 25,466.00	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (122,279.44)	0	\$ 7,396.75	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (18,690.79)	0	\$ 39,695.86	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (151,387.00)	0	\$ 30,277.36	0	\$ (5,030.55)	0	\$ 1,005.99	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	\$ (6,166.85)	0	\$ 138.40	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 55.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (6.90)	0	\$ 837.93	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (15,945.29)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (314,476.27)	0	\$ 78,401.80	0	\$ (5,030.55)	0	\$ 1,005.99	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(39,872)	\$ (1,507,184.45)	20,939	\$ 332,726.03	(1)	\$ (2,008.80)	15,119	\$ 655,696.46	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	0	\$ (2,908.89)	106	\$ -	0	\$ -	16	\$ 709.65	0	\$ -	0	\$ -
53	SUBTOTAL		(39,872)	\$ (1,510,093.34)	21,044	\$ 332,726.03	(1)	\$ (2,008.80)	15,135	\$ 656,406.11	0	\$ -	0	\$ -
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(511,299)	\$ (27,955,574.75)	295,511	\$ 21,318,777.62	(1)	\$ (9,468.57)	15,292	\$ 688,075.50	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (64,987.67)		\$ 203.66								
61	Congestion and Losses Adjustment			\$ 124,074.49										
62	No DA generation sch., but still had output for current month			\$ (10,432.20)										

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
October 2022 includes any adjustments

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Charge Type Description	Acct	RETAIL			ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (28,004,229.37)		\$ 21,318,573.96								
66	Net Retail for MN Energy Adjustment Rider				\$ (6,685,655.41)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)								\$ 678,606.93				\$ -	
69	Less: Fuel Cost							15,022	\$ 537,745.85				\$ -	
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								\$ 209.14				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 140,651.94				\$ -	

62 No DA generation sch., but still had output for current month

62	No DA generation sch., but still had output for current month
----	---

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
Year to Date 2022 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(5,816,336)	\$ (253,555,227.76)	3,575,059	\$ 157,743,394.28	0	\$ -	58,218	\$ 4,050,734.67	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	52,021	\$ 2,694,757.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(238,533)	\$ (8,621,173.14)	299,733	\$ 13,057,801.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	(108)	\$ (6,092.74)	0	\$ 6.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(6,054,977)	\$ (262,182,493.64)	3,926,813	\$ 173,495,959.17	0	\$ -	58,218	\$ 4,050,734.67	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	\$ (406,703.32)	0	\$ 5,700,665.13	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (13,335,953.67)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (607,648.67)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (14,350,305.66)	0	\$ 5,700,665.13	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (735,641.40)	0	\$ -	0	\$ (4,722.06)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (107,486.17)	0	\$ 5,803.23	0	\$ (18,713.16)	0	\$ 212.56	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (25,820.88)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (868,948.45)	0	\$ 5,803.23	0	\$ (23,435.22)	0	\$ 212.56	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (33,348,742.13)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (2,760,582.48)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (5,934,412.26)	0	\$ 64,385,377.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ (77.99)	0	\$ 1,304,434.52	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ 531,221.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,818,401.06)	0	\$ 1,145,223.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (1,145,223.06)	0	\$ 1,861,409.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (4,474,419.96)	0	\$ 62,018,646.55	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (61,987,142.91)	0	\$ 4,477,290.71	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (174,207.80)	0	\$ 24.15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (549.09)	0	\$ 989,208.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (78,295,016.61)	0	\$ 103,364,093.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (224,480.43)	0	\$ 2,496.90	0	\$ (11,073.91)	0	\$ 79.26	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 118,792.83	0	\$ -	0	\$ 70,910.89	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (605,475.66)	0	\$ 34,078.50	0	\$ (31,626.61)	0	\$ 1,614.21	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (226.77)	0	\$ 4,477,039.25	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (204.29)	0	\$ 735,659.67	0	\$ (6.78)	0	\$ 40,140.05	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (830,160.38)	0	\$ 891,027.90	0	\$ (42,934.07)	0	\$ 4,589,783.66	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (150,159.72)	0	\$ 26,955.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (335,974.54)	0	\$ 265,792.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (2,011,442.23)	0	\$ 1,015,135.52	0	\$ (83,902.56)	0	\$ 39,292.35	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	\$ (280,129.56)	0	\$ 8,163.72	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 42,843.34	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (5,278.13)	0	\$ 23,474.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (196,021.47)	0	\$ 31.96	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (2,969,005.65)	0	\$ 1,382,396.57	0	\$ (83,902.56)	0	\$ 39,292.35	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(561,554)	\$ (19,712,666.11)	242,306	\$ 5,770,511.35	(7,775)	\$ (508,080.34)	215,863	\$ 9,640,608.19	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(517)	\$ (32,397.92)	2,268	\$ 4,379.50	(157)	\$ (3,624.81)	371	\$ 7,251.81	0	\$ -	0	\$ -
53	SUBTOTAL		(562,071)	\$ (19,745,064.03)	244,574	\$ 5,774,890.85	(7,932)	\$ (511,705.15)	216,234	\$ 9,647,860.00	0	\$ -	0	\$ -
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(6,617,048)	\$ (379,240,994.42)	4,171,387	\$ 290,614,835.99	(7,932)	\$ (661,977.00)	274,452	\$ 18,327,883.24	0	\$ -	0	\$ -

[illegible]

<p align="center">Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System January 2022 includes any adjustments (Revenue) Expense</p>							
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No. Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1 DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2 DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3 RT Asset Energy Amount	555.09	\$ -	\$ -	\$ (7,518.51)	\$ (7,518.51)	-	-
4 RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5 TOTAL		\$ -	\$ -	\$ (7,518.51)	\$ (7,518.51)	-	-
RSG & Make Whole Payments							
6 DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7 RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ (113.96)	\$ (113.96)	-	-
8 RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9 TOTAL		\$ -	\$ -	\$ (113.96)	\$ (113.96)	-	-
Revenue Neutrality Uplift							
10 RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ (90.36)	\$ (90.36)	-	-
11 TOTAL		\$ -	\$ -	\$ (90.36)	\$ (90.36)	-	-
Other Charges							
12 DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ (12.15)	\$ (12.15)	-	-
13 DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ (20.50)	\$ (20.50)	-	-
14 DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ (36.11)	\$ (36.11)	-	-
15 DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ (2.53)	\$ (2.53)	-	-
16 RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17 RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (25,031.08)	\$ (24.28)	\$ (25,055.36)	-	-
18 RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ 0.65	\$ 0.65	-	-
19 RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ 3.22	\$ 3.22	-	-
20 RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ 20.54	\$ 20.54	-	-
21 RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ 13.54	\$ 13.54	-	-
22 RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ (4.10)	\$ (4.10)	-	-
23 RT Pseudo Tie Congestion Amount	555.20	\$ 240,912.36	\$ (229,875.56)	\$ (6,797.13)	\$ 4,239.67	-	-
24 RT Pseudo Tie Loss Amount	555.21	\$ 25,997.23	\$ (15,400.75)	\$ (198.03)	\$ 10,398.45	-	-
25 Miscellaneous Amount	555.23	\$ 14.59	\$ -	\$ (46.95)	\$ (32.36)	-	-
26 ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27 RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-
28 RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ (3.31)	\$ (3.31)	-	-
29 RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ (16.84)	\$ (16.84)	-	-
30 TOTAL		\$ 266,924.18	\$ (270,307.39)	\$ (7,123.98)	\$ (10,507.19)	-	-
Grandfathered Charge Types							
31 DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ (11.48)	\$ (11.48)	-	-
32 DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ 0.51	\$ 0.51	-	-
33 DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
34 TOTAL		\$ -	\$ -	\$ (10.97)	\$ (10.97)	-	-
35 TOTAL SPP CHARGES		\$ 266,924.18	\$ (270,307.39)	\$ (14,857.78)	\$ (18,240.99)	-	-
36 Net SPP Charges for Retail = (B) + (C) + (D)			\$ (18,240.99)				
37 Net KWH for retail = ((F) + (G)) * 1,000							-
38 January 2022 covers time period of 12/27/2021 - 1/23/2022						** (F) and (G) increased for losses of 2.8%	
39 SPP Book Totals		Net Retail	Net SPP KWH				
40 Adjustments		\$ (3,383.21)	-				
41 Total SPP		\$ (14,857.78)	-				
		\$ (18,240.99)	-				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System February 2022 includes any adjustments (Revenue) Expense							
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No. Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1 DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2 DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3 RT Asset Energy Amount	555.09	\$ 128.34	\$ -	\$ -	\$ 128.34	2	-
4 RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5 TOTAL		\$ 128.34	\$ -	\$ -	\$ 128.34	2	-
RSG & Make Whole Payments							
6 DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7 RT Make-Whole-Payment Distribution Amount	555.10	\$ 1.26	\$ -	\$ -	\$ 1.26	-	-
8 RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9 TOTAL		\$ 1.26	\$ -	\$ -	\$ 1.26	-	-
Revenue Neutrality Uplift							
10 RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 2.05	\$ -	\$ -	\$ 2.05	-	-
11 TOTAL		\$ 2.05	\$ -	\$ -	\$ 2.05	-	-
Other Charges							
12 DA Regulation-Down Distribution Amount	555.04	\$ 0.13	\$ -	\$ -	\$ 0.13	-	-
13 DA Regulation-Up Distribution Amount	555.05	\$ 0.32	\$ -	\$ -	\$ 0.32	-	-
14 DA Spinning Reserve Distribution Amount	555.06	\$ 0.36	\$ -	\$ -	\$ 0.36	-	-
15 DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	\$ -	-	-
16 RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17 RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (22,715.34)	\$ (52.56)	\$ (22,767.90)	-	-
18 RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-
19 RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	\$ -	-	-
20 RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-
21 RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-
22 RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-
23 RT Pseudo Tie Congestion Amount	555.20	\$ 226,767.02	\$ (183,744.96)	\$ -	\$ 43,022.06	-	-
24 RT Pseudo Tie Loss Amount	555.21	\$ 6,832.86	\$ (25,848.64)	\$ -	\$ (19,015.78)	-	-
25 Miscellaneous Amount	555.23	\$ -	\$ (208.38)	\$ -	\$ (208.38)	-	-
26 ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27 RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-
28 RT Schedule 1A3 Amount	555.29	\$ 0.06	\$ -	\$ -	\$ 0.06	-	-
29 RT Schedule 1A4 Amount	555.30	\$ 0.31	\$ -	\$ -	\$ 0.31	-	-
30 TOTAL		\$ 233,601.06	\$ (232,517.32)	\$ (52.56)	\$ 1,031.18	-	-
Grandfathered Charge Types							
31 DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.01	\$ (0.09)	\$ -	\$ (0.08)	-	-
32 DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
33 DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
34 TOTAL		\$ 0.01	\$ (0.09)	\$ -	\$ (0.08)	-	-
35 TOTAL SPP CHARGES		\$ 233,732.72	\$ (232,517.41)	\$ (52.56)	\$ 1,162.75	2	-
36 Net SPP Charges for Retail = (B) + (C) + (D)			\$ 1,162.75				
37 Net KWH for retail = ((F) + (G)) * 1,000						2,282	
38 February 2022 covers time period of 1/24/2022 - 2/20/2022						** (F) and (G) increased for losses of 2.8%	
39 SPP Book Totals		Net Retail	Net SPP KWH				
40 Adjustments		\$ 1,215.31	2,282				
41 Total SPP		\$ (52.56)	-				
		\$ 1,162.75	2,282				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System March 2022 includes any adjustments (Revenue) Expense							
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No. Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1 DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2 DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3 RT Asset Energy Amount	555.09	\$ -	\$ -	\$ (7.20)	\$ (7.20)	-	-
4 RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5 TOTAL		\$ -	\$ -	\$ (7.20)	\$ (7.20)	-	-
RSG & Make Whole Payments							
6 DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7 RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ 0.04	\$ 0.04	-	-
8 RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9 TOTAL		\$ -	\$ -	\$ 0.04	\$ 0.04	-	-
Revenue Neutrality Uplift							
10 RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ (0.11)	\$ (0.11)	-	-
11 TOTAL		\$ -	\$ -	\$ (0.11)	\$ (0.11)	-	-
Other Charges							
12 DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ -	\$ -	-	-
13 DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ (0.03)	\$ (0.03)	-	-
14 DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ (0.02)	\$ (0.02)	-	-
15 DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	\$ -	-	-
16 RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17 RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (17,537.40)	\$ (298.48)	\$ (17,835.88)	-	-
18 RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-
19 RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	\$ -	-	-
20 RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-
21 RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-
22 RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-
23 RT Pseudo Tie Congestion Amount	555.20	\$ 45,798.25	\$ (308,778.75)	\$ 23.09	\$ (262,957.41)	-	-
24 RT Pseudo Tie Loss Amount	555.21	\$ 7,013.08	\$ (27,188.75)	\$ 1.35	\$ (20,174.32)	-	-
25 Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-
26 ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27 RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-
28 RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ (0.01)	\$ (0.01)	-	-
29 RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ (0.02)	\$ (0.02)	-	-
30 TOTAL		\$ 52,811.33	\$ (353,504.90)	\$ (274.12)	\$ (300,967.69)	-	-
Grandfathered Charge Types							
31 DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ -	\$ -	-	-
32 DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
33 DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
34 TOTAL		\$ -	\$ -	\$ -	\$ -	-	-
35 TOTAL SPP CHARGES		\$ 52,811.33	\$ (353,504.90)	\$ (281.39)	\$ (300,974.96)	-	-
36 Net SPP Charges for Retail = (B) + (C) + (D)			\$ (300,974.96)				-
37 Net KWH for retail = ((F) + (G)) * 1,000							-
38 March 2022 covers time period of 2/21/2022 - 3/23/2022						** (F) and (G) increased for losses of 2.8%	
39 SPP Book Totals		Net Retail	Net SPP KWH				
40 Adjustments		\$ (300,693.57)	-				
41 Total SPP		\$ (281.39)	-				
		\$ (300,974.96)	-				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System April 2022 includes any adjustments (Revenue) Expense						
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail
No. Day Ahead & Real Time Asset & Non Asset Energy & Loss						
1 DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-
2 DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-
3 RT Asset Energy Amount	555.09	\$ -	\$ -	\$ -	\$ -	-
4 RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-
5 TOTAL		\$ -	\$ -	\$ -	\$ -	-
RSG & Make Whole Payments						
6 DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-
7 RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ -	\$ -	-
8 RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-
9 TOTAL		\$ -	\$ -	\$ -	\$ -	-
Revenue Neutrality Uplift						
10 RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ -	\$ -	-
11 TOTAL		\$ -	\$ -	\$ -	\$ -	-
Other Charges						
12 DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ -	\$ -	-
13 DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ -	\$ -	-
14 DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ -	\$ -	-
15 DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	\$ -	-
16 RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-
17 RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (16,862.64)	\$ 179.10	\$ (16,683.54)	-
18 RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-
19 RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	\$ -	-
20 RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-
21 RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-
22 RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-
23 RT Pseudo Tie Congestion Amount	555.20	\$ 42,089.29	\$ (299,786.53)	\$ (1.80)	\$ (257,699.04)	-
24 RT Pseudo Tie Loss Amount	555.21	\$ -	\$ (27,737.37)	\$ 0.03	\$ (27,737.34)	-
25 Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-
26 ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-
27 RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-
28 RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ -	\$ -	-
29 RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ -	\$ -	-
30 TOTAL		\$ 42,089.29	\$ (344,386.54)	\$ 177.33	\$ (302,119.92)	-
Grandfathered Charge Types						
31 DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ -	\$ -	-
32 DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-
33 DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-
34 TOTAL		\$ -	\$ -	\$ -	\$ -	-
35 TOTAL SPP CHARGES		\$ 42,089.29	\$ (344,386.54)	\$ 177.33	\$ (302,119.92)	-
36 Net SPP Charges for Retail = (B) + (C) + (D)			\$ (302,119.92)			-
37 Net KWH for retail = ((F) + (G)) * 1,000						-
38 April 2022 covers time period of 3/24/2022 - 4/21/2022					** (F) and (G) increased for losses of 2.8%	
39 SPP Book Totals		Net Retail	Net SPP KWH			
40 Adjustments		\$ (302,297.25)	-			
41 Total SPP		\$ 177.33	-			
		\$ (302,119.92)	-			

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
May 2022 includes any adjustments									
(Revenue) Expense									
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**			
	Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 16,379.21	\$ (161.62)	\$ -	\$ 16,217.59	368	(52)	
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 16,379.21	\$ (161.62)	\$ -	\$ 16,217.59	368	(52)	
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 907.48	\$ -	\$ -	\$ 907.48	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 907.48	\$ -	\$ -	\$ 907.48	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 593.00	\$ -	\$ -	\$ 593.00	-	-	-
11	TOTAL		\$ 593.00	\$ -	\$ -	\$ 593.00	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 47.56	\$ -	\$ -	\$ 47.56	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 103.18	\$ -	\$ -	\$ 103.18	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 166.71	\$ -	\$ -	\$ 166.71	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 9.17	\$ -	\$ -	\$ 9.17	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (21,105.84)	\$ (67.39)	\$ (21,173.23)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 10.07	\$ -	\$ -	\$ 10.07	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (7.03)	\$ -	\$ (7.03)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (3.95)	\$ -	\$ (3.95)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ 0.52	\$ (1.57)	\$ -	\$ (1.05)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ 0.01	\$ -	\$ -	\$ 0.01	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 32,158.91	\$ (385,240.28)	\$ (40.22)	\$ (353,121.59)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 167.57	\$ (53,537.49)	\$ (1.99)	\$ (53,371.91)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 11.89	\$ -	\$ -	\$ 11.89	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 58.03	\$ -	\$ -	\$ 58.03	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 36.86	\$ -	\$ -	\$ 36.86	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ (0.92)	\$ -	\$ (0.92)	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ (1.33)	\$ -	\$ (1.33)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 32,770.48	\$ (459,898.41)	\$ (109.60)	\$ (427,237.53)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 70.66	\$ -	\$ -	\$ 70.66	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.17)	\$ -	\$ (0.17)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ 70.66	\$ (0.17)	\$ -	\$ 70.49	-	-	-
40	TOTAL SPP CHARGES		\$ 50,720.83	\$ (460,060.20)	\$ (109.60)	\$ (409,448.97)	368	(52)	
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (409,448.97)					
42	Net KWH for retail = ((F) + (G)) * 1,000								316,799
43	May 2022 covers time period of 4/22/2022 - 5/23/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ (409,339.37)	316,799					
45	Adjustments		\$ (109.60)	-					
46	Total SPP		\$ (409,448.97)	316,799					

<p align="center">Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System June 2022 includes any adjustments (Revenue) Expense</p>									
	Charge Type Description	(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) and (G)** Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ -	\$ -	\$ 4,075.12	\$ 4,075.12	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ 4,075.12	\$ 4,075.12	-	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ 230.55	\$ 230.55	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ 230.55	\$ 230.55	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ 231.20	\$ 231.20	-	-	-
11	TOTAL		\$ -	\$ -	\$ 231.20	\$ 231.20	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ 12.26	\$ 12.26	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ 29.91	\$ 29.91	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ 50.92	\$ 50.92	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ 2.69	\$ 2.69	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (23,788.28)	\$ (148.44)	\$ (23,936.72)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ 6.68	\$ 6.68	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ (3.69)	\$ (3.69)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ (3.52)	\$ (3.52)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ (0.74)	\$ (0.74)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 12,396.15	\$ (377,989.11)	\$ -	\$ (365,592.96)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ -	\$ (53,440.44)	\$ -	\$ (53,440.44)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ (194,122.49)	\$ -	\$ (194,122.49)	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ 3.24	\$ 3.24	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ 15.81	\$ 15.81	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ 12.28	\$ 12.28	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ (0.32)	\$ (0.32)	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ (0.39)	\$ (0.39)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 12,396.15	\$ (649,340.32)	\$ (23.30)	\$ (636,967.47)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ 18.23	\$ 18.23	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ (0.04)	\$ (0.04)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ (23.47)	\$ -	\$ (23.47)	-	-	-
39	TOTAL		\$ -	\$ (23.47)	\$ 18.19	\$ (5.28)	-	-	-
40	TOTAL SPP CHARGES		\$ 12,396.15	\$ (649,363.79)	\$ 4,531.76	\$ (632,435.88)	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (632,435.88)					
42	Net KWH for retail = ((F) + (G)) * 1,000								-
43	June 2022 covers time period of 5/24/2022 - 6/22/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ (636,967.64)	-					
45	Adjustments		\$ 4,531.76	-					
46	Total SPP		\$ (632,435.88)	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System July 2022 includes any adjustments (Revenue) Expense									
		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
	Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ -	\$ -	\$ -	\$ -	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ -	\$ -	-	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ -	\$ -	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ -	\$ -	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ -	\$ -	-	-	-
11	TOTAL		\$ -	\$ -	\$ -	\$ -	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ -	\$ -	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ -	\$ -	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ -	\$ -	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	\$ -	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (26,290.14)	\$ (840.18)	\$ (27,130.32)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	\$ -	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 8,370.44	\$ (250,313.04)	\$ -	\$ (241,942.60)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ -	\$ (70,161.71)	\$ -	\$ (70,161.71)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ -	\$ -	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ -	\$ -	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ -	\$ -	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ -	\$ -	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ -	\$ -	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 8,370.44	\$ (346,764.89)	\$ (840.18)	\$ (339,234.63)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ -	\$ -	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ (4.35)	\$ (4.35)	-	-	-
39	TOTAL		\$ -	\$ -	\$ (4.35)	\$ (4.35)	-	-	-
40	TOTAL SPP CHARGES		\$ 8,370.44	\$ (346,764.89)	\$ (844.53)	\$ (339,238.98)	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (339,238.98)					
42	Net KWH for retail = ((F) + (G)) * 1,000								-
43	July 2022 covers time period of 6/23/2022 - 7/21/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		Net Retail	Net SPP KWH					
45	Adjustments		\$ (338,394.45)	-					
46	Total SPP		\$ (844.53)	-					
			\$ (339,238.98)	-					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
August 2022 includes any adjustments									
(Revenue) Expense									
		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
Charge Type Description		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ -	\$ -	\$ -	(29.68)	(29.68)	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ -	(29.68)	(29.68)	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ -	(1.66)	(1.66)	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ -	(1.66)	(1.66)	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ -	(5.38)	(5.38)	-	-
11	TOTAL		\$ -	\$ -	\$ -	(5.38)	(5.38)	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ -	(0.05)	(0.05)	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ -	(0.11)	(0.11)	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ -	(0.34)	(0.34)	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ -	(0.02)	(0.02)	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (28,967.34)	\$ -	(641.94)	(29,609.28)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	0.09	0.09	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	0.04	0.04	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 2,889.82	\$ (236,948.11)	\$ -	\$ -	(234,058.29)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ -	\$ (95,052.28)	\$ -	\$ -	(95,052.28)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	358.07	358.07	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ -	\$ -	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ -	(0.14)	(0.14)	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ -	\$ -	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ -	\$ -	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ -	\$ -	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 2,889.82	\$ (360,967.73)	\$ -	(284.40)	(358,362.31)	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ -	(0.12)	(0.12)	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ -	\$ -	(0.12)	(0.12)	-	-
40	TOTAL SPP CHARGES		\$ 2,889.82	\$ (360,967.73)	\$ -	(321.24)	(358,399.15)	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (358,399.15)					
42	Net KWH for retail = ((F) + (G)) * 1,000								
43	August 2022 covers time period of 7/22/2022 -- 8/23/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		Net Retail	Net SPP KWH					
45	Adjustments		\$ (358,077.91)	-					
46	Total SPP		\$ (321.24)	-					
			\$ (358,399.15)	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System September 2022 includes any adjustments (Revenue) Expense									
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 282,092.01	\$ (3,400.73)	\$ -	\$ 278,691.28	4,641	(156)	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 282,092.01	\$ (3,400.73)	\$ -	\$ 278,691.28	4,641	(156)	
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 23,485.41	\$ -	\$ -	\$ 23,485.41	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 23,485.41	\$ -	\$ -	\$ 23,485.41	-	-	
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 4,492.03	\$ -	\$ -	\$ 4,492.03	-	-	-
11	TOTAL		\$ 4,492.03	\$ -	\$ -	\$ 4,492.03	-	-	
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 280.73	\$ -	\$ -	\$ 280.73	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 1,138.74	\$ -	\$ -	\$ 1,138.74	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 1,333.21	\$ -	\$ -	\$ 1,333.21	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 208.33	\$ -	\$ -	\$ 208.33	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (45.01)	\$ -	\$ (45.01)	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (26,675.43)	\$ (549.32)	\$ (27,224.75)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 51.37	\$ (5.98)	\$ -	\$ 45.39	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (36.64)	\$ -	\$ (36.64)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.73	\$ (63.32)	\$ -	\$ (62.59)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ 1.09	\$ (12.78)	\$ -	\$ (11.69)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ 0.82	\$ (67.69)	\$ -	\$ (66.87)	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 3,774.62	\$ (219,209.22)	\$ -	\$ (215,434.60)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 483.39	\$ (55,473.64)	\$ -	\$ (54,990.25)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ (125.50)	\$ -	\$ (125.50)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ 1.69	\$ (0.18)	\$ -	\$ 1.51	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 135.16	\$ -	\$ -	\$ 135.16	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 662.58	\$ -	\$ -	\$ 662.58	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 676.33	\$ -	\$ -	\$ 676.33	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ (9.31)	\$ -	\$ (9.31)	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ 0.40	\$ (51.81)	\$ -	\$ (51.41)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 8,749.19	\$ (301,776.51)	\$ (549.32)	\$ (293,576.64)	-	-	
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 542.36	\$ (12.63)	\$ -	\$ 529.73	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.32)	\$ -	\$ (0.32)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ 0.09	\$ 0.09	-	-	-
39	TOTAL		\$ 542.36	\$ (12.95)	\$ 0.09	\$ 529.50	-	-	
40	TOTAL SPP CHARGES		\$ 319,361.00	\$ (305,190.19)	\$ (549.23)	\$ 13,621.58	4,641	(156)	
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 13,621.58					
42	Net KWH for retail = ((F) + (G)) * 1,000								4,485,154
43	September 2022 covers time period of 8/24/2022 -- 9/22/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ 14,170.81	4,485,154					
45	Adjustments		\$ (549.23)	-					
46	Total SPP		\$ 13,621.58	4,485,154					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System October 2022 includes any adjustments (Revenue) Expense									
	Charge Type Description	(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) and (G)** Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 24,594.00	\$ -	\$ (6,350.02)	\$ 18,243.98	746	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 24,594.00	\$ -	\$ (6,350.02)	\$ 18,243.98	746	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 1,912.58	\$ -	\$ (201.47)	\$ 1,711.11	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 1,912.58	\$ -	\$ (201.47)	\$ 1,711.11	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 804.31	\$ -	\$ (113.38)	\$ 690.93	-	-	-
11	TOTAL		\$ 804.31	\$ -	\$ (113.38)	\$ 690.93	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 33.32	\$ -	\$ (4.41)	\$ 28.91	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 133.32	\$ -	\$ (20.48)	\$ 112.84	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 173.17	\$ -	\$ (24.98)	\$ 148.19	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 35.06	\$ -	\$ (4.62)	\$ 30.44	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 26.26	\$ (12,732.84)	\$ 498.23	\$ (12,208.35)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 8.59	\$ -	\$ 0.19	\$ 8.78	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (4.66)	\$ 1.72	\$ (2.94)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.74	\$ (1.92)	\$ 0.04	\$ (1.14)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ 0.04	\$ (1.23)	\$ (0.07)	\$ (1.26)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ (3.38)	\$ -	\$ (3.38)	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 36,031.33	\$ (220,222.67)	\$ (7,054.27)	\$ (191,245.61)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 86.79	\$ (46,447.48)	\$ (1,197.63)	\$ (47,558.32)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ (0.02)	\$ (0.02)	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 21.07	\$ -	\$ (2.22)	\$ 18.85	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 103.04	\$ -	\$ (11.96)	\$ 91.08	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 100.17	\$ -	\$ (11.16)	\$ 89.01	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ (1.90)	\$ 0.04	\$ (1.86)	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ 0.17	\$ (4.28)	\$ (0.04)	\$ (4.15)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 36,753.07	\$ (279,420.36)	\$ (7,831.63)	\$ (250,498.92)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 32.37	\$ (3.46)	\$ (10.59)	\$ 18.32	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (2.97)	\$ 0.01	\$ (2.96)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ 32.37	\$ (6.43)	\$ (10.58)	\$ 15.36	-	-	-
40	TOTAL SPP CHARGES		\$ 64,096.33	\$ (279,426.79)	\$ (14,507.08)	\$ (229,837.54)	746	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (229,837.54)					
42	Net KWH for retail = ((F) + (G)) * 1,000						746,194		
43	October 2022 covers time period of 9/23/2022 -- 10/23/2022							** (F) and (G) increased for losses of 2.8%	
44	SPP Book Totals		\$ (215,330.46)	746,194					
45	Adjustments		\$ (14,507.08)	-					
46	Total SPP		\$ (229,837.54)	746,194					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System November 2022 includes any adjustments (Revenue) Expense									
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 1,179.87	\$ -	\$ (2,474.32)	\$ (1,294.45)	39	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 1,179.87	\$ -	\$ (2,474.32)	\$ (1,294.45)	39	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 17.49	\$ -	\$ (60.10)	\$ (42.61)	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 17.49	\$ -	\$ (60.10)	\$ (42.61)	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 14.57	\$ -	\$ (141.55)	\$ (126.98)	-	-	-
11	TOTAL		\$ 14.57	\$ -	\$ (141.55)	\$ (126.98)	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 2.65	\$ -	\$ (6.45)	\$ (3.80)	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 4.45	\$ -	\$ (12.31)	\$ (7.86)	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 5.17	\$ -	\$ (10.70)	\$ (5.53)	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.50	\$ -	\$ (2.25)	\$ (1.75)	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (18,559.76)	\$ (896.44)	\$ (19,456.20)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.24	\$ -	\$ (1.87)	\$ (1.63)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.59)	\$ 1.24	\$ 0.65	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.06	\$ -	\$ 1.10	\$ 1.16	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ 0.02	\$ 0.02	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ (0.03)	\$ (0.03)	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 69,271.09	\$ (239,253.87)	\$ -	\$ (169,982.78)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 13,398.80	\$ (30,472.95)	\$ -	\$ (17,074.15)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ 0.02	\$ 0.02	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 1.13	\$ -	\$ (1.87)	\$ (0.74)	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 5.65	\$ -	\$ (9.50)	\$ (3.85)	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ 4.14	\$ -	\$ (5.03)	\$ (0.89)	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ (0.08)	\$ 0.13	\$ 0.05	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ 0.01	\$ -	\$ (0.25)	\$ (0.24)	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 82,693.89	\$ (288,287.25)	\$ (944.19)	\$ (206,537.55)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 3.67	\$ -	\$ (9.26)	\$ (5.59)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ 0.08	\$ 0.08	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ 3.67	\$ -	\$ (9.18)	\$ (5.51)	-	-	-
40	TOTAL SPP CHARGES		\$ 83,909.49	\$ (288,287.25)	\$ (3,629.34)	\$ (208,007.10)	39	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (208,007.10)					
42	Net KWH for retail = ((F) + (G)) * 1,000							39,105	
43	November 2022 covers time period of 10/24/2022 -- 11/22/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		\$ (204,377.76)	39,105					
45	Adjustments		\$ (3,629.34)	-					
46	Total SPP		\$ (208,007.10)	39,105					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System December 2022 includes any adjustments (Revenue) Expense									
	(A)	(B)	(C)	(D)	(E)	(F) and (G)**			
	Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ -	\$ -	\$ 60.84	\$ 60.84	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ 60.84	\$ 60.84	-	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ (207.72)	\$ (207.72)	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ (207.72)	\$ (207.72)	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ (58.36)	\$ (58.36)	-	-	-
11	TOTAL		\$ -	\$ -	\$ (58.36)	\$ (58.36)	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ 0.08	\$ 0.08	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ 0.18	\$ 0.18	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ 0.21	\$ 0.21	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ 0.02	\$ 0.02	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 5,178.57	\$ (31,189.81)	\$ (313.71)	\$ (26,324.95)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ (0.01)	\$ (0.01)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 223,839.98	\$ (613,433.54)	\$ -	\$ (389,593.56)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 45,385.78	\$ (50,201.14)	\$ -	\$ (4,815.36)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (4.13)	\$ (4.13)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ 0.07	\$ 0.07	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ 0.20	\$ 0.20	-	-	-
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ 0.14	\$ 0.14	-	-	-
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	-	-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ -	\$ -	-	-	-
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ -	\$ -	-	-	-
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	-	-	-
35	TOTAL		\$ 274,404.33	\$ (694,824.49)	\$ (316.95)	\$ (420,737.11)	-	-	-
Grandfathered Charge Types									
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ (0.02)	\$ (0.02)	-	-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
39	TOTAL		\$ -	\$ (0.01)	\$ (0.02)	\$ (0.03)	-	-	-
40	TOTAL SPP CHARGES		\$ 274,404.33	\$ (694,824.50)	\$ (522.21)	\$ (420,942.38)	-	-	-
41	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (420,942.38)					
42	Net KWH for retail = ((F) + (G)) * 1,000								-
43	December 2022 covers time period of 11/23/2022 -- 12/26/2022						** (F) and (G) increased for losses of 2.8%		
44	SPP Book Totals		Net Retail	Net SPP KWH					
45	Adjustments		\$ (420,420.17)	-					
46	Total SPP		\$ (522.21)	-					
			\$ (420,942.38)	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group - Net Retail - System Year to Date 2022 includes any adjustments (Revenue) Expense															
No.	Charge Type Description	Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
1	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	\$ (7,518.51)	\$ 128.34	\$ (7.20)	\$ -	\$ 16,217.59	\$ 4,075.12	\$ -	\$ (29.68)	\$ 278,691.28	\$ 18,243.98	\$ (1,294.45)	\$ 60.84	\$ 308,567.31
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	TOTAL		\$ (7,518.51)	\$ 128.34	\$ (7.20)	\$ -	\$ 16,217.59	\$ 4,075.12	\$ -	\$ (29.68)	\$ 278,691.28	\$ 18,243.98	\$ (1,294.45)	\$ 60.84	\$ 308,567.31
RSG & Make Whole Payments															
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ (113.96)	\$ 1.26	\$ 0.04	\$ -	\$ 907.48	\$ 230.55	\$ -	\$ (1.66)	\$ 23,485.41	\$ 1,711.11	\$ (42.61)	\$ (207.72)	\$ 25,969.90
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	TOTAL		\$ (113.96)	\$ 1.26	\$ 0.04	\$ -	\$ 907.48	\$ 230.55	\$ -	\$ (1.66)	\$ 23,485.41	\$ 1,711.11	\$ (42.61)	\$ (207.72)	\$ 25,969.90
Revenue Neutrality Uplift															
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ (90.36)	\$ 2.05	\$ (0.11)	\$ -	\$ 593.00	\$ 231.20	\$ -	\$ (5.38)	\$ 4,492.03	\$ 690.93	\$ (126.98)	\$ (58.36)	\$ 5,728.02
11	TOTAL		\$ (90.36)	\$ 2.05	\$ (0.11)	\$ -	\$ 593.00	\$ 231.20	\$ -	\$ (5.38)	\$ 4,492.03	\$ 690.93	\$ (126.98)	\$ (58.36)	\$ 5,728.02
Other Charges															
12	DA Regulation-Down Distribution Amount	555.04	\$ (12.15)	\$ 0.13	\$ -	\$ -	\$ 47.56	\$ 12.26	\$ -	\$ (0.05)	\$ 280.73	\$ 28.91	\$ (3.80)	\$ 0.08	\$ 353.67
13	DA Regulation-Up Distribution Amount	555.05	\$ (20.50)	\$ 0.32	\$ (0.03)	\$ -	\$ 103.18	\$ 29.91	\$ -	\$ (0.11)	\$ 1,138.74	\$ 112.84	\$ (7.86)	\$ 0.18	\$ 1,356.67
14	DA Spinning Reserve Distribution Amount	555.06	\$ (36.11)	\$ 0.36	\$ (0.02)	\$ -	\$ 166.71	\$ 50.92	\$ -	\$ (0.34)	\$ 1,333.21	\$ 148.19	\$ (5.53)	\$ 0.21	\$ 1,657.60
15	DA Supplemental Reserve Distribution Amount	555.07	\$ (2.53)	\$ -	\$ -	\$ -	\$ 9.17	\$ 2.69	\$ -	\$ (0.02)	\$ 208.33	\$ 30.44	\$ (1.75)	\$ 0.02	\$ 246.35
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (45.01)	\$ 0.01	\$ -	\$ -	\$ (45.00)
17	RT Over-Collected Losses Distribution Amount	555.11	\$ (25,055.36)	\$ (22,767.90)	\$ (17,835.88)	\$ (16,683.54)	\$ (21,173.23)	\$ (23,936.72)	\$ (27,130.32)	\$ (29,609.28)	\$ (27,224.75)	\$ (12,208.35)	\$ (19,456.20)	\$ (26,324.95)	\$ (269,406.48)
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.65	\$ -	\$ -	\$ -	\$ 10.07	\$ 6.68	\$ -	\$ 0.09	\$ 45.39	\$ 8.78	\$ (1.63)	\$ -	\$ 70.03
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ 3.22	\$ -	\$ -	\$ -	\$ (7.03)	\$ (3.69)	\$ -	\$ 0.04	\$ (36.64)	\$ (2.94)	\$ 0.65	\$ (0.01)	\$ (46.40)
20	RT Regulation-Up Distribution Amount	555.14	\$ 20.54	\$ -	\$ -	\$ -	\$ (3.95)	\$ (3.52)	\$ -	\$ -	\$ (62.59)	\$ (1.14)	\$ 1.16	\$ -	\$ (49.50)
21	RT Spinning Reserve Distribution Amount	555.16	\$ 13.54	\$ -	\$ -	\$ -	\$ (1.05)	\$ (0.74)	\$ -	\$ -	\$ (11.69)	\$ (1.26)	\$ 0.02	\$ -	\$ (1.18)
22	RT Supplemental Reserve Distribution Amount	555.17	\$ (4.10)	\$ -	\$ -	\$ -	\$ 0.01	\$ 0.01	\$ -	\$ -	\$ (66.87)	\$ (3.38)	\$ (0.03)	\$ -	\$ (74.36)
23	RT Pseudo Tie Congestion Amount	555.20	\$ 4,239.67	\$ 43,022.06	\$ (262,957.41)	\$ (257,699.04)	\$ (353,121.59)	\$ (365,592.96)	\$ (241,942.60)	\$ (234,058.29)	\$ (215,434.60)	\$ (191,245.61)	\$ (169,982.78)	\$ (389,593.56)	\$ (2,634,366.71)
24	RT Pseudo Tie Loss Amount	555.21	\$ 10,398.45	\$ (19,015.78)	\$ (20,174.32)	\$ (27,737.34)	\$ (53,371.91)	\$ (53,440.44)	\$ (70,161.71)	\$ (95,052.28)	\$ (54,990.25)	\$ (47,558.32)	\$ (17,074.15)	\$ (4,815.36)	\$ (452,993.41)
25	Miscellaneous Amount	555.23	\$ (32.36)	\$ (208.38)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 358.07	\$ (125.50)	\$ -	\$ -	\$ (4.13)	\$ (12.30)
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (194,122.49)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (194,122.49)
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.51	\$ (0.02)	\$ 0.02	\$ -	\$ 1.51
28	RT Schedule 1A3 Amount	555.29	\$ (3.31)	\$ 0.06	\$ (0.01)	\$ -	\$ 11.89	\$ 3.24	\$ -	\$ -	\$ 135.16	\$ 18.85	\$ (0.74)	\$ 0.07	\$ 165.21
29	RT Schedule 1A4 Amount	555.30	\$ (16.84)	\$ 0.31	\$ (0.02)	\$ -	\$ 58.03	\$ 15.81	\$ -	\$ (0.14)	\$ 662.58	\$ 91.08	\$ (3.85)	\$ 0.20	\$ 807.16
30	DA Ramp Up Distribution Amount	555.31	\$ -	\$ -	\$ -	\$ -	\$ 36.86	\$ 12.28	\$ -	\$ -	\$ 676.33	\$ 89.01	\$ (0.89)	\$ 0.14	\$ 813.73
31	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ -	\$ -	\$ (0.92)	\$ (0.32)	\$ -	\$ -	\$ (9.31)	\$ (1.86)	\$ 0.05	\$ -	\$ (12.36)
33	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ -	\$ -	\$ (1.33)	\$ (0.39)	\$ -	\$ -	\$ (51.41)	\$ (4.15)	\$ (0.24)	\$ -	\$ (57.52)
34	RT Ramp Down Distribution Amount	555.35	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35	TOTAL		\$ (10,507.19)	\$ 1,031.18	\$ (300,967.69)	\$ (302,119.92)	\$ (427,237.53)	\$ (636,967.47)	\$ (339,234.63)	\$ (358,362.31)	\$ (293,576.64)	\$ (250,498.92)	\$ (206,537.55)	\$ (420,737.11)	\$ (3,545,715.78)
Grandfathered Charge Types															
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ (11.48)	\$ (0.08)	\$ -	\$ -	\$ 70.66	\$ 18.23	\$ -	\$ (0.12)	\$ 529.73	\$ 18.32	\$ (5.59)	\$ (0.02)	\$ 619.65
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ 0.51	\$ -	\$ -	\$ -	\$ (0.17)	\$ (0.04)	\$ -	\$ -	\$ (0.32)	\$ (2.96)	\$ 0.08	\$ (0.01)	\$ (2.91)
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (23.47)	\$ (4.35)	\$ -	\$ 0.09	\$ -	\$ -	\$ -	\$ (27.73)
39	TOTAL		\$ (10.97)	\$ (0.08)	\$ -	\$ -	\$ 70.49	\$ (5.28)	\$ (4.35)	\$ (0.12)	\$ 529.50	\$ 15.36	\$ (5.51)	\$ (0.03)	\$ 589.01
40	TOTAL SPP CHARGES - Energy Adjustment Rider		\$ (18,240.99)	\$ 1,162.75	\$ (300,974.96)	\$ (302,119.92)	\$ (409,448.97)	\$ (632,435.88)	\$ (339,238.98)	\$ (358,399.15)	\$ 13,621.58	\$ (229,837.54)	\$ (208,007.10)	\$ (420,942.38)	\$ (3,204,861.54)

OTTER TAIL POWER COMPANY
GENERATION MAINTENANCE EXPENSE

		Actual 2017	Actual 2018	Actual 2019	Actual 2020	Actual 2021	Actual 2022	2021 Test Year
STEAM POWER MAINTENANCE:								
SUPERVISION AND ENGINEERING	402 - 510	\$ 842,512	\$ 937,306	\$ 964,831	\$ 834,101	\$ 798,930	\$ 624,662	\$ 1,036,964
STRUCTURES	402 - 511	1,202,457	989,059	883,200	777,386	874,175	795,762	793,128
BOILER	402 - 512	7,207,999	9,023,720	8,465,029	5,026,948	6,229,229	6,980,241	8,205,372
ELECTRIC	402 - 513	797,052	2,241,699	2,869,209	1,080,670	2,714,136	2,866,936	2,044,118
MISCELLANEOUS	402 - 514	1,063,183	1,010,467	1,394,309	874,095	921,925	941,350	1,484,118
Total Steam Power Maintenance		11,113,203	14,202,252	14,576,578	8,593,200	11,538,395	12,208,951	13,563,700
HYDRO POWER MAINTENANCE:								
SUPERVISION & ENGINEERING	402 - 541	3,449	2,731	881	3,679	323	345	3,872
STRUCTURES	402 - 542	5,016	12,239	40	66	1,881	26,644	6,264
RESERVOIRS - DAMS	402 - 543	277,357	221,684	250,983	250,800	249,940	265,138	225,645
ELECTRIC	402 - 544	50,242	907	9,908	4,793	3,289	18,437	5,875
MISCELLANEOUS EXPENSE	402 - 545	-	38	-	-	3512	718.33	626
Total Hydro Maintenance		336,064	237,599	261,812	259,338	258,945	311,282	242,282
IC POWER MAINTENANCE WITHOUT WIND:								
SUPERVISION AND ENGINEERING	402 - 551	85,285	67,972	39,346	22,886	15,715	25,714	93,428
STRUCTURES	402 - 552	124,923	37,358	25,836	30,910	30,733	77,501	211,316
GENERATING AND ELECTRIC	402 - 553	656,222	631,963	443,752	344,215	427,726	1,111,952	445,358
MISCELLANEOUS EXPENSE	402 - 554	26,008	36,124	23,904	32,009	121,757	153,746	27,816
Total IC Maintenance without wind		892,438	773,417	532,839	430,020	595,931	1,368,913	777,918
IC POWER MAINTENANCE WIND ONLY:								
SUPERVISION AND ENGINEERING	402 - 551	-	3,698	-	9,597	-	120	-
GENERATING AND ELECTRIC	402 - 553	12,986	42,680	6,919	-	3,488,759	3,624,610	55,073
MISCELLANEOUS EXPENSE	402 - 554	6,338	8,408	87,649	315,907	434,679	239,117	139,210
		19,324	54,787	94,568	325,504	3,923,438	3,863,847	194,283
Additional Contracted Wind Maintenance*		179,277	97,888	123,439	84,473	3,354,916	3,362,994	5,163,555
Total Maintenance		\$ 12,540,306	\$ 15,365,943	\$ 15,589,236	\$ 9,692,535	\$ 19,671,625	\$ 21,115,986	\$ 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 Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
4/25/2022	4/28/2022	Maintenance Outage Waterwall Repair	2.46	Furnace tube leak due to thinned tubing caused by sootblower erosion.		This specific area of the boiler has had thorough inspection and additional welding to add thickness complete in 2022.
5/26/2022	5/28/2022	Tube leak on screen tube	2.07	Tube leak of a screen tube located near the boiler slope floor. A directly contributing factor was an IK Sootblower that was stuck blowing in the boiler.		This was a rare failure occurrence. We have not identified a pattern that would warrant any additional inspections above our standard boiler inspection. We have reviewed our standard operating protocol to isolate stuck sootblowers as fast as possible.
7/28/2022	7/30/2022	Boiler Tube Leak	1.63	Boiler water wall discharge tube leak due to thinned tubing caused by sootblower erosion.		This was a rare failure occurrence of an area not identified during our last boiler inspection.
11/5/2022	1/1/2023	Bearing #7 Vibration/Exciter - Outage continues into 2023	56.30	A concerning step change in exciter bearing vibration was noticed while operating at steady state. The decision was made to take the unit down prior to any damage being done.		The plant is involved in a root cause analysis of the event.

... PROTECTED
DATA ENDS]

Coyote Station Forced Outage Info

[PROTECTED DATA
BEGINS ...

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
2/12/2022	2/16/2022	Boiler Wash	4.05	Boiler had significant amount of ash buildup in the pendants causing gas flow to be pinched off. Wash contractors schedule only allowed cleaning during this time frame.		Work with mine to minimize high ash content coal.
2/25/2022	2/27/2022	#10 Cyclone Leak	1.42	Cyclone tube leak.		Inspect cyclones during 2022 spring major outage.
6/7/2022	6/13/2022	Multiple Tube Leaks	6.91	Multiple cyclone tube leaks and boiler circ pump cracked motor shaft.		Boiler chemical clean caused cyclone tube leaks, procedure was changed to flush cyclone tubes after clean.
7/14/2022	7/16/2022	Cyclone Tube Leaks (#2, #10, #1)	2.06	Multiple cyclone tube leaks.		Boiler chemical clean caused cyclone tube leaks, procedure was changed to flush cyclone tubes after clean.
8/8/2022	8/10/2022	Economizer Tube Leak	1.51	Sootblower erosion tube leak in economizers		Operators were retrained on how to sootblow and not utilize system to much.
11/16/2022	11/19/2022	Cyclone Tube Leak	2.78	Multiple leaks found in two cyclones.		Boiler chemical clean caused cyclone tube leaks, procedure was changed to flush cyclone tubes after clean.

... PROTECTED
DATA ENDS]

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

Month	(A)	(B)	* (C) * (D) Wind Production		* (E)	* (F)	* (G)	(H)
	Date Paid		Delivered to OTP MWh	Amount OTP Paid	Lost Production		Total OTP Paid	Reason Codes
	Delivered MWh	Lost MWh			Lost MWh	Amount OTP Paid		
			[PROTECTED DATA BEGINS . . .					
Jan-22								
Feb-22								
Mar-22								
Apr-22								
May-22								
Jun-22								
Jul-22								
Aug-22								
Sep-22								
Oct-22								
Nov-22								
Dec-22								
Total 2022								
. . . PROTECTED DATA ENDS]								

Reason Code Explanation:

Reason Codes:

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

2 = low load

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

4 = other - please explain in detail if compensation requested

* Columns C - G are invoiced amounts

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

Month	(A) Date Paid	(B) Lost MWh	* (C) Wind Production Delivered to OTP MWh	* (D) Amount OTP Paid	* (E) Lost Production Lost MWh	* (F) Amount OTP Paid	* (G) Total OTP Paid	(H) Reason Codes
	Delivered MWh	Lost MWh						
	[PROTECTED DATA BEGINS . . .							
Jan-22	1/11, 15, 16, 18	2/14/2022						
Feb-22	2/10, 16, 18, 26	3/9/2022						
Mar-22	3/11, 12, 13, 20, 21, 22, 23, 24, 25, 28, 29	4/13/2022						
Apr-22	4/3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 22, 23, 24, 27, 28, 29	5/10/2022						
May-22	5/1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 23, 24, 25, 26, 28, 29, 30, 31	6/13/2022						
Jun-22	6/1, 2, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 29, 30	7/13/2022						
Jul-22	7/1, 4, 6, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 25, 27, 28, 30, 31	8/10/2022						
Aug-22	8/1,2,4,5,6,8,9,10,11,15,17,18,23,26,27,28,29,30	9/19/2022						
Sep-22	9/1,2,3,4,5,6,7,8,9,13,14,15,16,20,21,23,24,25,26,28,29,30	10/12/2022						
Oct-22	10/3,6,11,12,13,14,15,20,21,22,23,24,25,27,28,30	11/14/2022						
Nov-22	11/3,6,11,12,13,14,15,20,21,22,23,24,25,27,28,30	12/14/2022						
Dec-22	12/2,4,5,11,16,17	1/17/2023						
Total 2022								
. . . PROTECTED DATA ENDS]								

Reason Code Explanation:

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

. . . . PROTECTED DATA ENDS]

Reason Codes:

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

* Columns C - G are invoiced amounts

Otter Tail Power Company
Wind Curtailment Summary Report - System
Wind Energy Purchase Agreement with Ashtabula Wind III, LLC
Docket No. E017/M-13-386
Dated August 23, 2013

Month	(A) Date Paid	(B) Lost MWh	* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G) Total OTP Paid	(H) Reason Codes
	Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid		
			[PROTECTED DATA BEGINS . . .					
Jan-22	1/15, 16, 18, 21, 27, 29	2/21/2022						
Feb-22	2/4, 5, 8, 15, 16, 18, 19, 20, 26	3/21/2022						
Mar-22	3/11, 12, 13, 20, 21, 22, 23, 24, 25, 28, 29	4/19/2022						
Apr-22	4/4, 7, 9, 10, 14, 17, 22, 23, 24, 27, 28, 29	5/19/2022						
May-22	5/1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 23, 24, 25, 26, 27, 28, 29, 30, 31	6/17/2022						
Jun-22	6/1, 2, 5, 6, 11, 13, 14, 15, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 29, 30	7/25/2022						
Jul-22	7/3, 10, 11, 12, 14, 18, 19, 20, 21, 22, 23, 25, 27, 30, 31	8/17/2022						
Aug-22	8/1,4,5,6,8,9,17,19,27, 28,29,30	9/26/2022						
Sep-22	9/1,2,4,5,13,14,15,20,2 1,23,24,25,26,28,29	10/20/2022						
Oct-22	10/2,3,6,11,12,13, 15,16,20,21,22,23, 24,25,26,27,28,30,31	11/16/2022						
Nov-22	11/1,2,3,4,5,6,7,8,10, 11,17,18,19,21,23,24, 25,26,28	12/15/2022						
Dec-22	12/2,4,5,13,14,16,17, 23,27,28	1/31/2023						
Total 2022								

. . . PROTECTED DATA ENDS]

Reason Code Explanation:

Curtailment was called for by Otter Tail Power due to negative LMP pricing. As specified in the Ashtabula Wind III, 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 \$123,359 for the January through December 2022 period (Attachment 16, column R, line 13).

Supplemental Reserves

MISO Supplemental Reserves resulted in a net loss of (\$56,294) for the January through December 2022 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 \$63,113 for the January through December 2022 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 \$39,549 for the January through December 2022 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 2022 there was a total of (\$8,358) in penalties assessed to Otter Tail units (Attachment 16, column R, line 19). These are normally mechanical failure situations where the unit fails to follow dispatch for a short time period while small repairs are made.

Real-Time Contingency Deployment Failure Charge Amount The Real-Time Contingency Deployment Failure Charge Amount represents the charge incurred by Resources that fail to deploy Contingency Reserves at or above the Contingency Reserve Deployment Instruction. Again, these would normally be short intervals where some mechanical failure occurred. For the January through December 2022 period, there was a total of (\$37,216) in 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 2022 period, there was a total of (4,314) 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 2022 period, which has provided \$119,840 (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 2022.

III. Schedule 17 Costs

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

IV. No Double Recovery of Costs

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

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

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

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

Summary

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

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

Line No.		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
		Jan-22	Feb-22	Mar-22	1st Qtr 2022 Total	Apr-22	May-22	Jun-22	2nd Qtr 2022 Total	Jul-22	Aug-22	Sep-22	3rd Qtr 2022 Total	Oct-22	Nov-22	Dec-22	4th Qtr 2022 Total	12-Month Total	MN Amount @ 0.458405
1	Day Ahead Regulation Amount	\$ 20,689	\$ 24,408	\$ 37,404	\$ 82,500	\$ 35,570	\$ 34,934	\$ 31,922	\$ 102,425	\$ 36,209	\$ 21,889	\$ 32,997	\$ 91,094	\$ 8,098	\$ 22,966	\$ 16,512	\$ 47,577	\$ 323,596	\$ 148,338
2	Real Time Regulation Amount	\$ (3,020)	\$ 27,037	\$ (1,448)	\$ 22,568	\$ (9,588)	\$ (6,640)	\$ 2,334	\$ (13,893)	\$ 15,841	\$ 6,988	\$ 13,217	\$ 36,046	\$ 3,767	\$ (6,032)	\$ 57,374	\$ 55,109	\$ 99,830	\$ 45,762
3	Regulation Cost Distribution Amount	\$ (19,479)	\$ (20,115)	\$ (22,460)	\$ (62,054)	\$ (25,572)	\$ (36,233)	\$ (23,042)	\$ (84,848)	\$ (16,487)	\$ (20,534)	\$ (19,699)	\$ (56,720)	\$ (23,042)	\$ (26,956)	\$ (32,126)	\$ (82,124)	\$ (285,746)	\$ (130,988)
4	Regulation Subtotal	\$ (1,810)	\$ 31,330	\$ 13,495	\$ 43,015	\$ 410	\$ (7,940)	\$ 11,213	\$ 3,684	\$ 35,562	\$ 8,342	\$ 26,516	\$ 70,420	\$ (11,177)	\$ (10,022)	\$ 41,760	\$ 20,562	\$ 137,680	\$ 63,113
5	Day Ahead Short-Term Reserve Amount	\$ 24,744	\$ 28,534	\$ 14,230	\$ 67,508	\$ 28,781	\$ 23,606	\$ 18,970	\$ 71,357	\$ 14,146	\$ 2,536	\$ 20,178	\$ 36,860	\$ 2,523	\$ 7,446	\$ 17,251	\$ 27,220	\$ 202,945	\$ 93,031
6	Real Time Short-Term Reserve Amount	\$ 1,424	\$ (1,005)	\$ (375)	\$ 44	\$ (1,076)	\$ 428	\$ 360	\$ (287)	\$ 682	\$ 134	\$ 605	\$ 1,422	\$ 196	\$ (124)	\$ 82,139	\$ 82,210	\$ 83,389	\$ 38,226
7	Short-Term Reserve Cost Distribution Amount	\$ (9,798)	\$ (10,050)	\$ (7,568)	\$ (27,416)	\$ (15,272)	\$ (13,752)	\$ (7,125)	\$ (36,149)	\$ (5,439)	\$ (2,422)	\$ (5,520)	\$ (13,381)	\$ (4,232)	\$ (11,386)	\$ (107,495)	\$ (123,113)	\$ (200,059)	\$ (91,708)
8	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -			\$ -		\$ -	\$ -
9	Short-Term Reserve Subtotal	\$ 16,370	\$ 17,479	\$ 6,286	\$ 40,136	\$ 12,434	\$ 10,282	\$ 12,205	\$ 34,921	\$ 9,389	\$ 249	\$ 15,263	\$ 24,901	\$ (1,513)	\$ (4,064)	\$ (8,106)	\$ (13,683)	\$ 86,275	\$ 39,549
10	Day Ahead Spinning Reserve Amount	\$ 36,556	\$ 41,348	\$ 40,575	\$ 118,480	\$ 82,681	\$ 74,594	\$ 32,832	\$ 190,108	\$ 32,316	\$ 18,104	\$ 26,773	\$ 77,194	\$ 17,431	\$ 35,059	\$ 5,249	\$ 57,739	\$ 443,521	\$ 203,312
11	Real Time Spinning Reserve Amount	\$ (8,504)	\$ (3,571)	\$ (7,006)	\$ (19,081)	\$ (15,828)	\$ (934)	\$ 10,092	\$ (6,669)	\$ 13,655	\$ (24,880)	\$ 19,632	\$ 8,407	\$ (195)	\$ (3,951)	\$ 104,688	\$ 100,542	\$ 83,199	\$ 38,139
12	Spinning Reserve Cost Distribution Amount	\$ (13,688)	\$ (14,199)	\$ (20,834)	\$ (48,721)	\$ (27,956)	\$ (33,878)	\$ (22,621)	\$ (84,456)	\$ (7,661)	\$ (15,704)	\$ (10,258)	\$ (33,624)	\$ (22,827)	\$ (34,669)	\$ (33,319)	\$ (90,815)	\$ (257,614)	\$ (118,092)
13	Spinning Reserve Subtotal	\$ 14,365	\$ 23,578	\$ 12,735	\$ 50,678	\$ 38,897	\$ 39,782	\$ 20,304	\$ 98,983	\$ 38,310	\$ (22,480)	\$ 36,148	\$ 51,977	\$ (5,591)	\$ (3,561)	\$ 76,619	\$ 67,467	\$ 269,106	\$ 123,359
14	Day Ahead Supplemental Reserve Amount	\$ 13,193	\$ 11,490	\$ 8,778	\$ 33,462	\$ 14,794	\$ 22,793	\$ 38,093	\$ 75,680	\$ 73,670	\$ 31,252	\$ 13,249	\$ 118,170	\$ 6,230	\$ 5,610	\$ 25,001	\$ 36,841	\$ 264,153	\$ 121,089
15	Real Time Supplemental Reserve Amount	\$ (6,746)	\$ (4,442)	\$ (2,552)	\$ (13,740)	\$ (3,918)	\$ (20,684)	\$ (5,257)	\$ (29,859)	\$ 12,691	\$ (12,382)	\$ 4,355	\$ 4,663	\$ (1,397)	\$ 2,098	\$ (307,701)	\$ (307,000)	\$ (345,936)	\$ (158,579)
16	Supplemental Reserve Cost Distribution Amount	\$ (2,450)	\$ (2,291)	\$ (1,679)	\$ (6,420)	\$ (2,822)	\$ (2,363)	\$ (3,968)	\$ (9,153)	\$ (13,051)	\$ (4,323)	\$ (3,586)	\$ (20,960)	\$ (3,102)	\$ (1,770)	\$ 383	\$ (4,489)	\$ (41,021)	\$ (18,804)
17	Supplemental Reserve Subtotal	\$ 3,998	\$ 4,756	\$ 4,548	\$ 13,302	\$ 8,055	\$ (254)	\$ 28,868	\$ 36,668	\$ 73,309	\$ 14,547	\$ 14,018	\$ 101,874	\$ 1,731	\$ 5,937	\$ (282,317)	\$ (274,648)	\$ (122,804)	\$ (56,294)
18	Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7)	\$ (7)	\$ -			\$ -			\$ (81,178)	\$ (81,178)	\$ (81,185)	\$ (37,216)
19	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ (2,014)	\$ (2,560)	\$ (1,786)	\$ (6,360)	\$ (966)	\$ (236)	\$ (1,308)	\$ (2,509)	\$ (2,649)	\$ (2,186)	\$ (3,646)	\$ (8,481)	\$ (162)	\$ 1,148	\$ (1,868)	\$ (882)	\$ (18,232)	\$ (8,358)
20	Net Regulation Adjustment Amount	\$ 1,128	\$ (4,118)	\$ (664)	\$ (3,654)	\$ (863)	\$ 1,989	\$ 514	\$ 1,640	\$ (18,701)	\$ (4,904)	\$ (994)	\$ (24,599)	\$ (55)	\$ 1,026	\$ 16,231	\$ 17,201	\$ (9,412)	\$ (4,314)
21	Real Time Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -			\$ -		\$ -	\$ -
22	Other Charge Subtotal	\$ (886)	\$ (6,678)	\$ (2,451)	\$ (10,014)	\$ (1,829)	\$ 1,753	\$ (800)	\$ (876)	\$ (21,350)	\$ (7,090)	\$ (4,640)	\$ (33,080)	\$ (217)	\$ 2,174	\$ (66,816)	\$ (64,859)	\$ (108,828)	\$ (49,888)
23	TOTAL	\$ 32,037	\$ 70,465	\$ 34,614	\$ 137,116	\$ 57,967	\$ 43,624	\$ 71,790	\$ 173,380	\$ 135,221	\$ (6,432)	\$ 87,304	\$ 216,093	\$ (16,765)	\$ (9,536)	\$ (238,859)	\$ (265,160)	\$ 261,428	\$ 119,840

Summary of 12 ASM Charge Types (MWH)

Line No.		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
		Jan-22	Feb-22	Mar-22	1st Qtr 2022 Total	Apr-22	May-22	Jun-22	2nd Qtr 2022 Total	Jul-22	Aug-22	Sep-22	3rd Qtr 2022 Total	Oct-22	Nov-22	Dec-22	4th Qtr 2022 Total	12-Month Total	MN Amount @ 0.458405
1	Day Ahead Regulation Amount	2,535.20	4,621.90	5,804.70	12,961.80	3,077.60	2,591.00	1,395.00	7,063.60	1,970.50	787.10	178.20	2,935.80	1,394.40	3,788.00	638.00	5,820.40	28,781.60	13,193.63
2	Real Time Regulation Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Regulation Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Regulation Subtotal	2,535.20	4,621.90	5,804.70	12,961.80	3,077.60	2,591.00	1,395.00	7,063.60	1,970.50	787.10	178.20	2,935.80	1,394.40	3,788.00	638.00	5,820.40	28,781.60	13,193.63
5	Day Ahead Short-Term Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Real Time Short-Term Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Short-Term Reserve Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Short-Term Reserve Deployment Failure Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Short-Term Reserve Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Day Ahead Spinning Reserve Amount	2,928.60	5,957.40	5,067.70	13,953.70	5,118.20	4,755.20	1,693.30	11,566.70	2,293.00	572.70	87.60	2,953.30	1,449.70	4,813.50	488.60	6,751.80	35,225.50	16,147.55
11	Real Time Spinning Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Spinning Reserve Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Spinning Reserve Subtotal	2,928.60	5,957.40	5,067.70	13,953.70	5,118.20	4,755.20	1,693.30	11,566.70	2,293.00	572.70	87.60	2,953.30	1,449.70	4,813.50	488.60	6,751.80	35,225.50	16,147.55
14	Day Ahead Supplemental Reserve Amount	19,590.80	41,185.20	35,384.50	96,160.50	25,840.60	34,569.10	18,365.30	78,775.00	31,302.40	25,894.00	3,062.90	60,259.30	25,722.30	20,295.40	9,407.10	55,424.80	290,619.60	133,221.48
15	Real Time Supplemental Reserve Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Supplemental Reserve Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	Supplemental Reserve Subtotal	19,590.80	41,185.20	35,384.50	96,160.50	25,840.60	34,569.10	18,365.30	78,775.00	31,302.40	25,894.00	3,062.90	60,259.30	25,722.30	20,295.40	9,407.10	55,424.80	290,619.60	133,221.48
18	Contingency Reserve Deployment Failure Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Real Time Excessive Deficient Energy Deployment Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Net Regulation Adjustment Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	Real Time Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	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	25,054.60	51,764.50	46,256.90	123,076.00	34,036.40	41,915.30	21,453.60	97,405.30	35,565.90	27,253.80	3,328.70	66,148.40	28,566.40	28,896.90	10,533.70	67,997.00	354,626.70	162,562.65

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

Monthly 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

Monthly 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
Average monthly increase from prior period	\$ (0.00238)

MN Capacity Auction Revenues 2022

	<u>Jan-22</u>	<u>Feb-22</u>	<u>Mar-22</u>	<u>Apr-22</u>	<u>May-22</u>	(1) <u>Jun-22</u>	<u>Jul-22</u>	<u>Aug-22</u>	<u>Sep-22</u>	<u>Oct-22</u>	<u>Nov-22</u>	<u>Dec-22</u>	<u>YTD</u>
Capacity Auction Revenues	-	-	-	-	-	(563,377)	(741,966)	(844,306)	(767,551)	(793,136)	(767,551)	(869,891)	(5,347,776.14)

The MISO operating and settlement dates attributable to June accounting are listed below. Therefore, through settlement statements, only 22 days of PRA (1) revenue were booked in June (June 1 - June 22). July's accounting includes a full 30 days of revenue for the 6/23-7-21 operating days. Subsequent accounting month operating and settlement dates follow a similar pattern.

June 2022

Operating Dates: 5/24/2022 -- 6/22/2022
Settlement Dates: 5/31/2022 -- 6/29/2022

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-20-462.

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 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 2022.
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 2022 as summarized in the table below. These amounts include MISO Planning Reserve Auction revenues received and accounted for in 2022.

	Forecasted Costs - System	Actual Costs - System
January 2022	\$10,227,866	\$ 11,036,271
February	\$10,834,669	\$10,681,168
March	\$ 9,473,628	\$ 10,764,370
April	\$ 8,303,518	\$ 8,001,479
May	\$ 7,401,181	\$ 11,216,014
June	\$ 7,117,994	\$ 14,931,101
July	\$ 7,886,305	\$ 11,563,598
August	\$ 8,259,675	\$ 12,002,918
September	\$ 7,123,672	\$ 11,020,893
October	\$ 7,514,539	\$ 10,296,892
November	\$ 8,978,483	\$11,241,663
December	\$10,989,740	\$21,591,101
TOTAL 2022	\$104,111,271	\$144,347,469

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

The following amounts are reflective of the Minnesota January 2022 – December 2022 reporting period.

Line	Item	Amount
1	Total 2022 kWh Sales (System)	5,575,424,134
2	Total 2022 kWh Sales Subject to COE – MN	2,555,805,696
3	Percent of MN Sales to System (Line 2 / Line 1)	0.458405609
4		
5	Total 2022 System Fuel Costs	\$144,347,469
6	Percent of MN kWh Sales (Line 3 above)	0.458405609
7	2022 Fuel Costs Allocated to MN (Line 5 X Line 6)	\$66,169,689

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 2022 relative to costs incurred:

Line	Item	Amount
1	Recovery from FCA	\$56,761,399
2	MN Share of Fuel Costs	\$66,169,689
3	Total Over/(Under) Recovery (Line 1 – Line 2)	(\$9,408,290)

During 2022, September – December rates also included adjustments for the remaining true-up balances from the January 2021 – December 2021 recovery periods. (See Attachment 1 for details.)

	January 2022 – December 2022 True Up
January 2022	\$0
February	\$0
March	\$0
April	\$0
May	\$0
June	\$0
July	\$0
August	\$0
September	\$157,517
October	\$145,072
November	\$191,796
December	\$202,149
TOTAL 2022	\$696,535

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

During 2022, there were no credit balances refunded to customers 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

2022 Actual

Otter Tail's forecasted and actual non-energy MISO (and SPP) market-related charges are provided in summary form in Attachment 2 of this filing.

Regulatory Background on MISO Costs:

On February 16, 2005, Otter Tail filed a request with the Commission to recover the costs resulting from participation in the "Day 2" operations of the Midwest Independent Transmission System Operator, Inc. (MISO) through the use of 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.

On December 21, 2005, the Commission issued a second interim Order in Docket No. E017/M-05-284. On February 24, 2006, the Commission issued an Order on reconsideration. A report of the stakeholders was filed with the Commission on June 22, 2006. On November 6, 2006, supplemental comments were filed with the Commission and the Order Establishing Accounting Treatment for MISO Day 2 Costs was issued on December 20, 2006.

In the December 20, 2006, Order utilities were granted deferred accounting treatment with respect to Schedule 16 and 17 costs and were authorized recovery of charges imposed by the MISO for MISO Day 2 costs through the calculation of our fuel clause adjustment from the period of April 1, 2005, through a period of at least three years after the date of the Order. Utilities were allowed to use deferred accounting for MISO Schedule 16 and 17 costs incurred since April 2005 without interest until the earlier of our next rate case or March 1, 2009, at which time utilities could seek to recover Schedule 16 and 17 costs at an appropriate level of base rate recovery. Over the subsequent twelve months utilities refunded through the fuel clause adjustment, all Schedule 16 and 17 costs previously recovered through the fuel clause adjustment.

In accordance with the December 2006 Order, we are submitting 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.**

2022 Actual Results:

No additional purchases of FTRs for congestion hedging were made in 2022.

Otter Tail's FTR Hedging Approach:

For 2022, 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 for 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 Number 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 2022 were filed and approved in Docket No. E017/AA-21-311 effective January 1, 2022.

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

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.

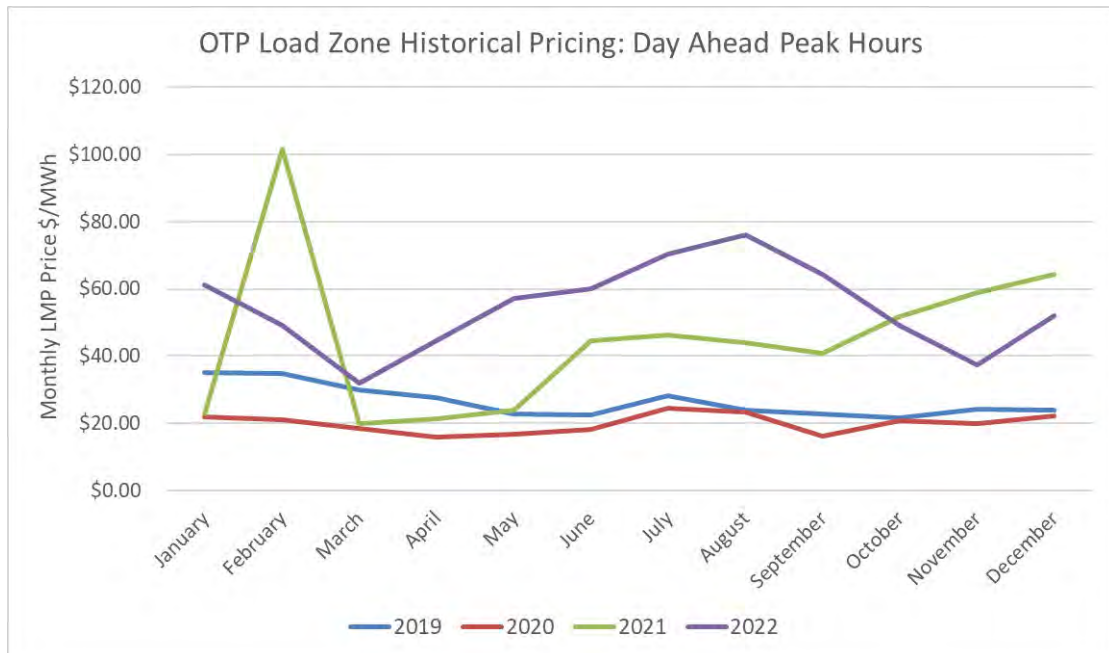
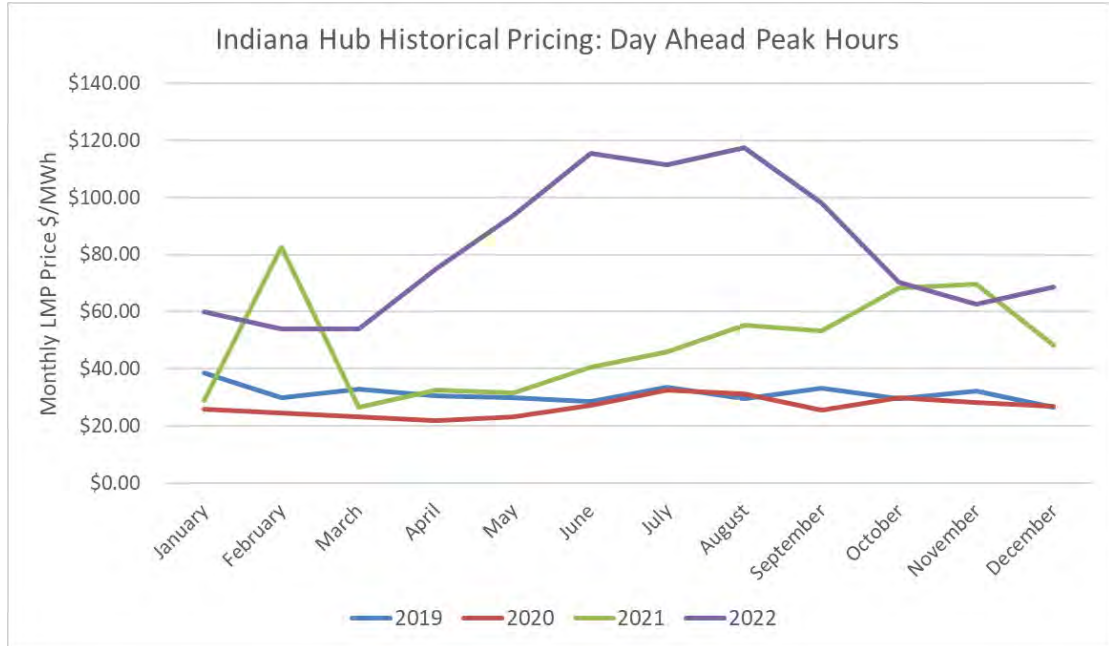
Attachment 9 (System and Minnesota) and Attachment 10 (Monthly and YTD MISO Day 2 Charges) reflect total MISO costs for the reporting period of January through December 2022.

Total net MISO charges for 2022 were \$88.2 million as found on line 54 of Attachment 9.

MISO Market Overview for 2022:

The biggest driver in determining wholesale energy market credits/charges and dispatch of generation is market pricing, or more specifically, Locational Marginal Pricing (LMP). LMP pricing in 2022 was considerably higher than the last three previous years. The following graphs help illustrate historical

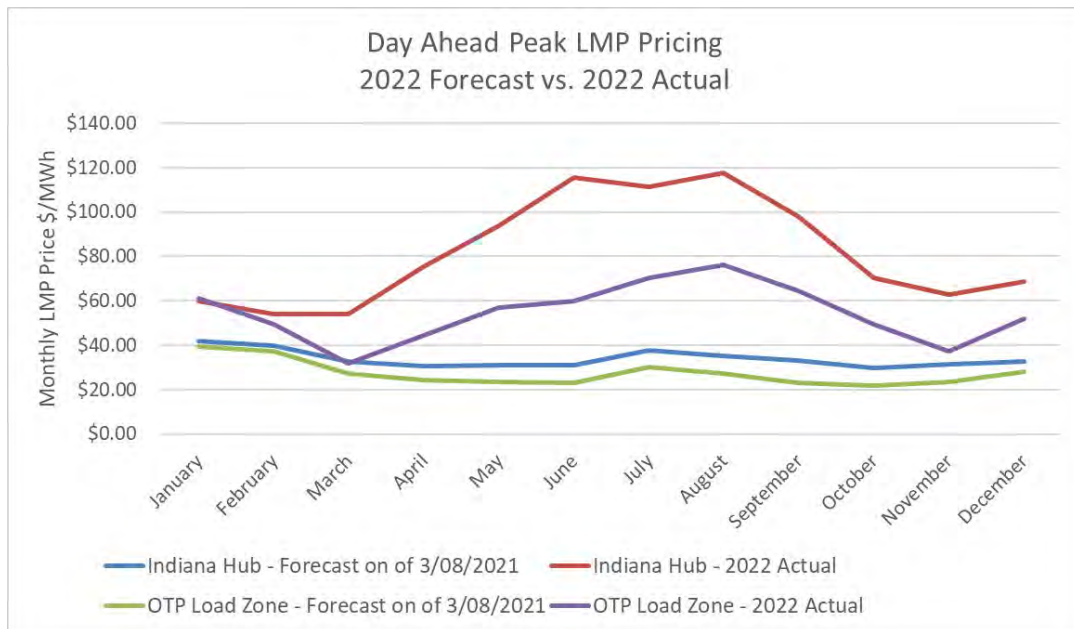
Day Ahead (DA), peak LMP prices for the Indiana Hub, (the most liquid and most traded location within MISO), and the Otter Tail load zone LMP prices.



2022 Indiana Hub DA peak LMP pricing experienced an approximate 68% increase from 2021 and 130% increase from the previous 3-year average. Similarly, Otter Tail load zone LMP pricing experienced an approximate 21% increase from 2021 and 79% increase from the previous 3-year average.

Projections of generation production, economic market purchases, and wholesale market energy charges are driven in large part by forecasted LMP pricing. 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.

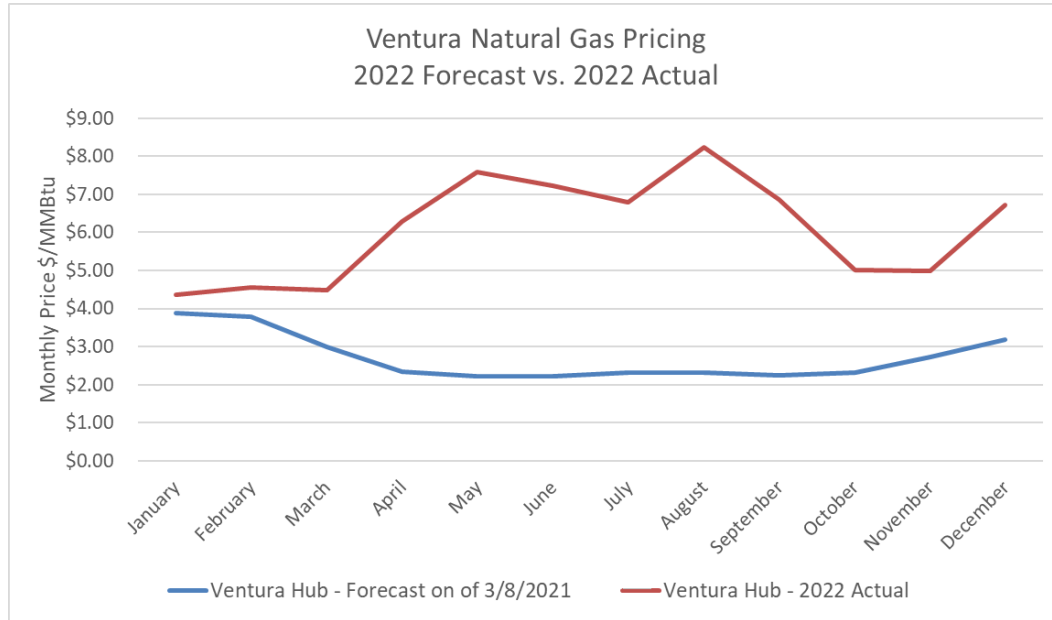
To develop a forecast for the Otter Tail Power load zone, Otter Tail utilizes the daily forward Indiana Hub price curves published by Intercontinental Exchange, Inc (ICE). Otter Tail analyzes historical pricing basis between the Indiana Hub and Otter Tail load zone, evaluates historical market conditions, 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 2022 Otter Tail load zone forecast utilized the March 8, 2021 Indiana Hub forward price curve. The Indiana Hub and Otter Tail load zone curves, forecast vs actual, are shown in the below graph.



Actual 2022 Indiana Hub pricing, compared to the March 8, 2021 forward Indiana Hub price curve, increased approximately 141%. Similarly, actual 2022 Otter Tail load zone pricing, compared to the forecasted March 8, 2021 Otter Tail load zone price curve, increased approximately 100%. The increase in LMP pricing is believed to be caused by natural gas volatility, initially driven by the February 2021 winter storm Uri. Gas prices continued to increase through 2022 due to below normal gas storage levels and market uncertainty related to the upcoming winter months.

The natural gas graph below demonstrates the correlation of gas and energy pricing, March 8, 2021 forecast versus 2022 actual Ventura Hub pricing,

reflecting a similar cost shape as compared to the previous two LMP graphs shared:



Like LMP prices, 2022 natural gas prices were forecasted to be significantly lower than what actually occurred.

Increased LMP pricing impacted Otter Tail's 2022 actual results significantly. Most notably, as LMP pricing increases, it becomes increasingly economic for MISO to commit and dispatch Otter Tail generation resources. However, despite substantially strengthened LMPs, total Otter Tail generation was slightly reduced in 2022 compared to 2021. This reduction was due to outages at Big Stone Plant and Coyote Station, retirement of the Hoot Lake Plants, and reduced output at our Solway and Astoria Station associated due to increased natural gas pricing. Despite strong LMP pricing conditions, economic market purchases increased due to reduced generation and increased load. Economic market purchases are procured at the daily Otter Tail load zone LMP price. Market purchases are detailed in line 159 of Attachment 3.

Otter Tail also saw continued and significant increases in revenue from its Financial Transmission Rights (FTR) portfolio in 2022. 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, congestion continues to significantly increase between Otter Tail base load units and the Otter Tail load zone. This is particularly true of Otter Tail's Big Stone Plant and Coyote Station, both of which are located within increasingly constrained transmission pockets. Increased hourly FTR revenue is detailed in line 56 of Attachment 3. For the same reasons, Otter Tail experienced a

considerable increase in system congestion costs, but it's FTR portfolio revenue more than offset this increase. Hourly congestion cost is detailed in lines 53 and 55 of Attachment 3. Similarly, congestion increased 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 results in congestion credits larger than congestion charges associated with offsetting energy withdrawal at the load. SPP pseudo tie congestion charge/credit amounts are detailed on line 110 of Attachment 3.

Appendix A – Section 4

SOUTHWEST POWER POOL (SPP) ENERGY MARKET RELATED COSTS ORDER IN DOCKET NO. E017/GR-15-1033

Actual:

Actual SPP charges for January – December 2022 is reflected in Attachment 11.

Background:

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

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

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

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

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

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

Further Information on Otter Tail Load in SPP

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

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

Appendix A – Section 5

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

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

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

Otter Tail did not utilize virtual transactions on behalf of retail customers in 2022.

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 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, 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 would align congestion costs with the Otter Tail TCRs, potentially producing a better hedging mechanism. To date OTP has not utilized TCR and virtual transactions for our SPP load because congestion pricing at the injection point tends to be higher than congestion pricing at the withdrawal point. In the future, market pricing conditions could potentially change, leaving open the possibility that Otter Tail might utilize TCRs and virtual transactions to minimize cost to Otter Tail customers.

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 2022 and the 2021 test year budget from the most recent rate case. Total 2022 maintenance expenses were \$21.1M as compared to \$19.9M for the 2021 rate case test year.

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

See Attachment 9 and Attachment 10.

Appendix A – Section 6

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

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

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

Otter Tail does not have any offsetting revenues for contracts that are not passed back through the energy adjustment.

- 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.**

Information Sharing/Lessons Learned:

Otter Tail continues to utilize multiple forums and resources deemed most beneficial in gathering and sharing information relevant to the unique aspects of Otter Tail's generation fleet. In Reply Comments submitted by Otter Tail in Docket No.

E999/AA-13-599, Otter Tail provided a list of resources (Conferences, Consultants/Vendors/Contractors, Publications, and Trade Organizations) in **Attachment 1** of those Reply Comments, which Otter Tail and the other utilities within Minnesota take advantage of to address each utility's specific needs.

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

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

*Big Stone Plant, of which Otter Tail is a 53.9% co-owner;
Coyote Plant, of which Otter Tail is a 35% co-owner;
Hoot Lake Plant, of which Otter Tail was a 100% owner. Hoot Lake Plant
was retired at the end of May 2021.*

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

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

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

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

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

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

Planned Outages

The table below reflects the planned outages that were scheduled at Big Stone Plant and Coyote Station in 2022 and incorporated into Otter Tail's 2022 forecast.

	A	B	C	D
Forecast 2022 Planned Outages				
Line No.	Outage Start	Outage End	Plant	Duration &Type
1	10/1/2022	10/23/2022	Big Stone Plant	23-day minor outage
2	4/1/2022	5/21/2022	Coyote Station	7-week major outage
3	9/16/2022	9/18/2022	Coyote Station	3-day boiler wash
4	12/2/2022	12/4/2022	Coyote Station	3-day boiler wash

Actual planned outages taken during 2022 were as follows:

	A	B	C	D
Actual 2022 Planned Outages				
Line No.	Outage Start	Outage End	Plant	Duration &Type
1	9/29/2022	10/21/2022	Big Stone Plant	22-day minor outage
2	3/29/2022	5/30/2022	Coyote Station	9-week major outage
3	9/18/2022	9/23/2022	Coyote Station	4-day boiler wash
4	12/11/2022	12/15/2022	Coyote Station	3-day boiler wash

Forced Outages

Otter Tail's generators experienced an aggregate of ten forced outages in excess of 24 hours over the January through December 2022 period; four at the Big Stone Plant and six 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 ten forced outages experienced during the reporting period, eight of those outages were tube leaks, one due to boiler cleanliness and another related to a generator. 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 . As discussed elsewhere in this filing, market prices were higher in 2022 at the times of the outages.

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 2022 period were (\$36,109,324) (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 \$61,178,401 (system basis) for a net MISO congestion revenue of \$25,069,077 (system basis).

Congestion within SPP resulted in a revenue of \$2,634,367 for the period of January through December 2022.

Attachment 10 provides monthly and annual detail of all 2022 MISO Day 2 revenues and (expenses) which include the congestion amounts discussed above.

Attachment 11 provides monthly and annual detail of all 2022 SPP (revenues) and expenses which include the congestion amounts discussed above.

Appendix A – Section 7

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

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

Attachment 10 contains a monthly and year-to-date breakdown of MISO Day 2 Charges – System between Retail, Asset Based Wholesale, and Non-Asset Based Wholesale for 2022.

Attachment 3 contains monthly comparisons of forecast to actual amounts for MISO Day 2 charge types for 2022.

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.

Appendix A – Section 8

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

On February 2, 2006, Otter Tail filed in Docket No. E017/M-03-970 to remove the sunset provision for recovery of the purchase of wind generated energy through the fuel clause under the Order issued January 13, 2005. On July 12, 2006, the Commission granted an extension of the recovery mechanism in place under the January 13, 2005 Order until a final Order is issued in this proceeding and directs the Company to revise its tariff as appropriate. On August 10, 2006, Otter Tail filed the Purchase Power 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 2022.

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 2022 time frame.

Appendix A – Section 9

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

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

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

Attachment 16 summarizes the 17 ancillary services market (ASM) charge types by month for the true up period of January through December 2022.

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

See Attachment 16, Attachment 17, and Attachment 18.

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

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

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

See Attachment 15.

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

See Attachment 15.

Appendix A – Section 10

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Procurement and Contracting

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

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

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

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

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

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

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

The scope of Project Management (PM) required depends on the size and complexity of the project / transaction. Otter Tail's larger projects require that a Risk Register is completed by the Project Manager. The Risk Register is a worksheet or table listing the risks associated with the respective project as a whole. These are items that, if they occur, may cause the project to be delayed, cost more than expected, or to be postponed altogether. Each risk is analyzed and an estimated cost as well approximate probability of occurring is listed.

The Risk Register assists Project Management in proactively managing the project and increasing the quality of work performed by all involved, including contractors. If needed, items identified in the Risk Register are incorporated into the contractual terms of the contractor. There are other requirements, all of which assist in the project being well run and the respective contractors held accountable. Contract articles define the contractor's responsibilities for staying on schedule, working safely, and staying within the agreed upon price. Otter Tail also requires daily updates on work progress that are discussed in pre-scheduled meetings.

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

Use of Risk Management Provisions

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

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

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

During the 2019/2020 reporting period Otter Tail successfully used contract provisions for delay liquidated damages to recover costs related to delays on our Astoria Station natural gas simple cycle turbine electric generation project. Otter Tail withheld \$140,000 of liquidated damages for delays on technical deliverables from our gas turbine supplier and an additional \$420,000 for their

failure to meet the guaranteed equipment delivery date. We also withheld liquidated damages from our construction general contractor in the amount of \$485,000 for missing Mechanical Completion and \$850,000 for delays in achieving Substantial Completion.

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

During the 2022 annual reporting period Otter Tail successfully used contract provisions in mitigating delays in the delivery of metal racking components for a utility scale solar project. The Supplier was given formal notice that portions of their deliveries were late, and as a result liquidated damages were assessed per the contract to cover Otter Tail's expenses incurred as a result of the delays. Our equipment designer and manufacturer of the Astoria Station Gas Turbine project was given formal notice of contract warranty provisions in three different matters; 1.) for the repair of damaged expansion joints 2.) cracking on air pipe support welds and 3.) for defective design on the fire mist system. Otter Tail also cited contract requirements for the manufacturer to perform a root cause investigation regarding the repeated failures in the expansion joint and to make repairs or adjustments necessary to correct the root cause identified in the root cause investigation.

Appendix B
Docket No. E017/AA-21-311
Rule 7825.2820 Independent Auditor's Report



Deloitte & Touche LLP
50 South 6th Street
Suite 2800
Minneapolis, MN 55402-1538
USA

Tel: +1 612 397 4000
Fax: +1 612 397 4450
www.deloitte.com

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-21-311 with the Minnesota Public Utilities Commission (the "Commission") for the period from January 1, 2022 to December 31, 2022, 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 the Company's energy suppliers to the amount recorded and paid by the Company and found them to be in agreement.
- b. We obtained the base costs of power approved by the Commission (MN Public Utilities Commission – Approved Base Costs of Power, Docket E017/GR-20-719) and compared the base costs of power to the bases used by the Company in calculating the billing adjustment each month and found them to be in agreement.
- c. We recalculated the billing adjustment charge (credit) per kWh charged to customers for purchased power on a monthly basis for the period January 1, 2022 through December 31, 2022, 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, 2022 as included within 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 obtained twelve individual billings across all 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, 2022 through December 31, 2022.
- g. We reperformed a reconciliation of total revenue and cost of power from the energy adjustment calculation filing to the Company's general ledger for the period from January 1, 2022 to December 31, 2022 and found them to be in agreement.
- h. We recalculated the true-up calculation included within the energy adjustment calculation filing, and traced the related revenue and expense amounts to the Company's general ledger and found them to be in agreement.

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

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

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

Deloitte & Touche LLP

February 27, 2023

Appendix C
Docket No. E017/AA-21-311
Rule 7825.2830 Notice of Report Availability

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



February 28, 2023

Notice of Availability of Reports

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

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

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

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

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

Sincerely,

/s/ *STUART TOMMERDAHL*
Stuart Tommerdahl
Manager, Regulatory Administration

CERTIFICATE OF SERVICE

**RE: In the Matter of Otter Tail Power Company's Petition for Approval of the Annual
Forecasted Rates for its Energy Adjustment Rider, Rate Schedule 13.01
Docket No. E017/AA-21-311**

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
Initial Filing**

Dated this 28th day of February 2023.

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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_15-1033_Official Service List
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	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
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_15-1033_Official Service List
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.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bill	Lachowitzer	blachowitzer@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_15-1033_Official Service List
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_15-1033_Official Service List
Joseph	Meyer	joseph.meyer@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_15-1033_Official Service List
Rate Case Inbox	Rate Case Inbox	mnratescase@otpc.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_15-1033_Official Service List
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_15-1033_Official Service List
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Mariah	Bevins	Maria.Bevins@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_20-719_Official
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_20-719_Official
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_20-719_Official
Jason	Decker	jason.decker@llojbwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_20-719_Official
Richard	Dornfeld	Richard.Dornfeld@ag.state.mn.us	Office of the Attorney General-DOC	Minnesota Attorney General's Office 445 Minnesota Street, Suite 1800 Saint Paul, Minnesota 55101	Electronic Service	Yes	OFF_SL_20-719_Official
Charles	Drayton	charles.drayton@enbridge.com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_20-719_Official
Remi	Engbers	remi.engbers@woodsfuller.com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_20-719_Official
Kelly C.	Engebretson	Kelly.Engebretson@lawmoss.com	Moss & Barnett	150 S. 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_20-719_Official
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_20-719_Official
Michael	Fairbanks	Michael.Fairbanks@whiteearth-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@otpc.com	Otter Tail Power Company	PO Box 496 Fergus Falls, MN 56538-0496	Electronic Service	No	OFF_SL_20-719_Official
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-719_Official
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_20-719_Official
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-719_Official
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official
Kristin	Henry	kristin.henry@sierraclub.org	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_20-719_Official
Faron	Jackson, Sr.	faron.jackson@llojibwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_20-719_Official
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Bill	Lachowitz	blachowitz@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_20-719_Official
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
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	kmainsi@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Paper Service	No	OFF_SL_20-719_Official
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	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Matthew	Olsen	molsen@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_20-719_Official
Rate Case Inbox	Rate Case Inbox	mnratescase@otpc.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_20-719_Official
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-719_Official
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official
Peter	Scholtz	peter.scholtz@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_20-719_Official
Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_20-719_Official
Cary	Stephenson	cStephenson@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
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@otpc.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 200 Denver, CO 80202	Electronic Service	No	OFF_SL_20-719_Official
Laurie	York	laurie.york@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Mariah	Bevins	Maria.Bevins@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_21-311_AA-21-311
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_21-311_AA-21-311
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_21-311_AA-21-311
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_21-311_AA-21-311
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_21-311_AA-21-311
Jason	Decker	jason.decker@llojbwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_21-311_AA-21-311
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, Minnesota 55101	Electronic Service	No	OFF_SL_21-311_AA-21-311
Charles	Drayton	charles.drayton@enbridge.com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_21-311_AA-21-311
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_21-311_AA-21-311
Kelly C.	Engebretson	Kelly.Engebretson@lawmoss.com	Moss & Barnett	150 S. 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21-311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_21-311_AA-21-311
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_21-311_AA-21-311
Michael	Fairbanks	Michael.Fairbanks@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_21-311_AA-21-311
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_21-311_AA-21-311
Jessica	Fyhrie	jfyhrie@otpc.com	Otter Tail Power Company	PO Box 496 Fergus Falls, MN 56538-0496	Electronic Service	Yes	OFF_SL_21-311_AA-21-311
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_21-311_AA-21-311
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_21-311_AA-21-311
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_21-311_AA-21-311
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_21-311_AA-21-311
Kristin	Henry	kristin.henry@sierraclub.org	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_21-311_AA-21-311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	No	OFF_SL_21-311_AA-21-311
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_21-311_AA-21-311
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21-311
Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_21-311_AA-21-311
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21-311
Bill	Lachowitz	blachowitz@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_21-311_AA-21-311
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21-311
Kavita	Maini	kmairi@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Paper Service	No	OFF_SL_21-311_AA-21-311
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	No	OFF_SL_21-311_AA-21-311
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_21-311_AA-21-311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Andrew	Moratzka	andrew.moratzka@stoel.com	Steel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21-311
Matthew	Olsen	molsen@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_21-311_AA-21-311
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_21-311_AA-21-311
David G.	Prazak	dprazak@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_21-311_AA-21-311
William	Rader	wrader@otpc.com	Otter Tail Power Company	215 South Cascade St Fergus Falls, Minnesota 56537	Electronic Service	No	OFF_SL_21-311_AA-21-311
Rate Case Inbox	Rate Case Inbox	mnratescase@otpc.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_21-311_AA-21-311
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_21-311_AA-21-311
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_21-311_AA-21-311
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	No	OFF_SL_21-311_AA-21-311
Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_21-311_AA-21-311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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_21-311_AA-21-311
Cary	Stephenson	cStephenson@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	Yes	OFF_SL_21-311_AA-21-311
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_21-311_AA-21-311
Stuart	Tommerdahl	stommerdahl@otpc.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	Yes	OFF_SL_21-311_AA-21-311
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_21-311_AA-21-311
Laurie	Williams	laurie.williams@sierraclub.org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste 200 Denver, CO 80202	Electronic Service	No	OFF_SL_21-311_AA-21-311
Laurie	York	laurie.york@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_21-311_AA-21-311
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21-311