

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



March 1, 2022

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-20-462**

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 Administration

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.

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

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

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

Date prepared: March 1, 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-20-462

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 2021.

**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-20-462

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, 2021. 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

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.

calendar year; discontinuing monthly automatic adjustment filings; and addressing rule variances.

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 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 2020⁴. 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.

B. THIS FILING

In this filing, Otter Tail submits for approval, its proposed true-up of final FCA costs and collections for calendar year 2021, along with analysis of various factors that contributed to the variances that occurred between forecasted costs for 2021 and actual costs for 2021. Otter Tail will demonstrate that Otter Tail's FCA costs for 2021 were reasonable and prudent.

² This eighteen-month true-up facilitates 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 a system-wide basis, Otter Tail’s actual EAR recoverable costs for 2021 were \$103,470,069 as compared to Otter Tail’s forecasted costs for 2021 of \$102,058,949. 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 2021 system costs were \$52,407,780. Total collections from customers in 2021 were \$50,869,898, resulting in an under collection of \$1,537,882 before refunds. As noted earlier, Otter Tail was ordered to refund approximately (\$8.4 million) during the January – June 2021 timeframe. This refund was attributable to Q2 and Q3 2020 over-collections, as authorized by the Commission.

This filing seeks approval for Otter Tail to collect \$700,126⁵ of estimated remaining net under-recoveries resulting from the 2021 recovery period and Otter Tail’s prior year true-up periods. Based on the amount, Otter Tail proposes to collect the 2021 under-recovery balance over a four-month period of September 1 through December 31, 2022, versus the twelve-month period 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.

⁵ This amount includes the following tracker balances that Otter Tail estimates will still need to be refunded: over-collection of the 2018-2019 true-up tracker balance of \$209,826 and the remaining 2020 true-up tracker balance of \$1,673,516. Otter Tail estimates a refunded amount of (\$1,045,587) during the September – December 2021 time period.

IV. GENERAL FILING INFORMATION

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

A. Name, Address, and Telephone Number of Utility

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

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

B. Name, Address, and Telephone Number of Utility Attorney

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

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 March 1, 2022. Otter Tail proposes to implement the True-Up rate effective September 1, 2021. 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 Administration
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 Administration
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

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 2021 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 2021; 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 2021 and a remaining over-collection from prior periods, resulting in a net under-collection of (\$700,126).

B. KEY RESULTS AND ANALYSIS OVERVIEW

Table 1 below provides key datapoints that provide insight into Otter Tail's FCA actual results for 2021 relative to forecast. As the table indicates, the total actual cost per MWh was \$21.68 per MWh, approximately 3.8 percent higher than forecast, and total actual costs were \$103,470,069 for 2021, or approximately 1.4 percent over the forecast. Total system sales in 2021 were lower than forecast by about 2.3 percent. Otter Tail's 3.8 percent increase in average cost per MWh was very modest relative to higher market prices for energy that occurred in 2021, which saw on-peak LMPs nearly 76 percent higher than forecast, off-peak LMPs 65 percent higher than forecast, and the overall average cost of market purchases and PPAs 35 percent higher than forecast.

Table 1
2021 FCA Summary
(Total System)

	Actual	Forecast	Variance	Variance %
Average Cost Per MWh	\$21.683	\$20.891	\$0.792	3.79%
MWh Sales Subject to COE	4,772,031	4,885,326	(113,295)	(2.32%)
Total Cost (Fuel & Purchased Power)	\$103,470,069	\$102,058,949	\$1,411,120	1.38%
Average On-Peak LMP Prices @ OTP.OTP	\$45.06	\$25.62	\$19.44	75.89%
Average Off-Peak LMP Prices @ OTP.OTP	\$30.74	\$18.60	\$12.14	65.30%
MWhs of PPAs and Market Purchases	2,108,120	2,437,416	(329,295)	(13.51%)
Total Cost of PPAs and Market Purchases	\$69,581,125	\$59,381,149	\$10,199,976	17.18%
Average Cost of PPAs and Market Purchases	\$33.01	\$24.36	\$8.64	35.48%

A more detailed analysis of actual 2021 FCA recoverable costs in comparison to forecasted costs and associated rates from 2021 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 2021 compared to actual costs.
2. Forecasted kWh sales for 2021 compared to actual kWh sales.
3. Forecasted rates for 2021 compared to actual rates.
4. Forecasted market prices for 2021 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 2021, 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.

Summary monthly forecast and actual results for 2021 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 2021, 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 2021 relative to actual costs incurred and quantifies the applicable true-up balance subject to collection, inclusive of prior refund amounts authorized by the Commission.

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

C. 2021 TOTAL COSTS HIGHER THAN FORECAST

Table 2 below summarizes OTP actual monthly FCA costs for 2021 compared to forecasted costs. As noted earlier, Attachment 2 to this filing provides a further categorical breakdown of forecasted and actual monthly costs for 2021. Further discussion and analysis of these results follows.

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

Month	Actual	Forecast ⁶	Variance
January 2021	\$8,984,775	\$10,337,238	(\$1,352,463)
February 2021	\$12,259,410	\$10,226,834	\$2,032,576
March 2021	\$6,739,893	\$9,211,654	(\$2,471,761)
April 2021	\$5,532,257	\$7,462,119	(\$1,929,862)
May 2021	\$6,476,879	\$6,999,051	(\$522,172)
June 2021	\$7,105,698	\$7,066,700	\$38,998
July 2021	\$8,473,293	\$7,579,079	\$894,214
August 2021	\$8,133,365	\$8,148,288	(\$14,923)
September 2021	\$3,528,599	\$7,253,963	(\$3,725,364)
October 2021	\$9,190,794	\$7,783,731	\$1,407,062
November 2021	\$14,991,200	\$9,434,362	\$5,556,838
December 2021	\$12,053,906	\$10,555,929	\$1,497,977
Total	\$103,470,069	\$102,058,949	\$1,411,120

D. 2021 SALES LOWER THAN FORECAST

Otter Tail's 2021 FCA forecast was developed using the most current sales forecast available at the time of its May 1, 2020, initial filing. For 2021, overall kWh sales were down approximately 2.3 percent relative to forecast and remained relatively flat as compared with 2020 sales⁷. Otter Tail continues to see some impact to sales as a result of the Covid-19 pandemic with reductions seen in Otter Tail's commercial and industrial classes. Heating degree days (HDD) for 2021 were approximately 91.3 percent⁸ of normal while cooling degree days (CDD) were 151.7 percent of normal in 2021.

⁶ December 31, 2020, Order in Docket No. E017/AA-20-462.

⁷ 2020 Sales were 4,782,786 as reported in February 26, 2021 True-up filing in Docket E017/AA-19-297.

⁸ Actual 2021 HDD = 5794 (91.3% of Normal); Actual 2021 CDD = 704 (151.7% of Normal).

Table 3 below shows the actual billed kWh sales compared to forecast for 2021:

Table 3
2021 Monthly kWh Sales
Forecast to Actual Comparison
Total System

Month	Actual	Forecast ⁹	Variance
January 2021	482,448,774	504,002,585	(21,553,811)
February 2021	461,377,536	459,589,495	1,788,041
March 2021	446,527,559	445,814,270	713,289
April 2021	409,647,973	391,417,295	18,230,678
May 2021	351,240,674	361,884,646	(10,643,972)
June 2021	363,865,633	350,972,019	12,893,614
July 2021	368,366,138	372,305,370	(3,939,232)
August 2021	387,057,252	368,879,307	18,177,945
September 2021	349,232,882	349,884,199	(651,317)
October 2021	319,965,945	368,214,974	(48,249,029)
November 2021	382,935,886	428,949,066	(46,013,180)
December 2021	449,364,382	483,412,694	(34,048,312)
Total	4,772,030,634	4,885,325,922	(113,295,288)

⁹ December 31, 2020, Order in Docket No. E017/AA-20-462.

**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 2021 was \$0.021683 per kWh compared to a forecast of \$0.020891 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
Forecast to Actual Comparison
(Total System)**

Month	Actual	Forecast ¹⁰	Variance
January 2021	\$0.018623	\$0.020510	(\$0.001887)
February 2021	\$0.026571	\$0.022252	\$0.004319
March 2021	\$0.015094	\$0.020663	(\$0.005569)
April 2021	\$0.013505	\$0.019064	(\$0.005559)
May 2021	\$0.018440	\$0.019341	(\$0.000901)
June 2021	\$0.019528	\$0.020135	(\$0.000606)
July 2021	\$0.023002	\$0.020357	\$0.002645
August 2021	\$0.021013	\$0.022089	(\$0.001076)
September 2021	\$0.010104	\$0.020732	(\$0.010629)
October 2021	\$0.028724	\$0.021139	\$0.007585
November 2021	\$0.039148	\$0.021994	\$0.017154
December 2021	\$0.026824	\$0.021836	\$0.004988

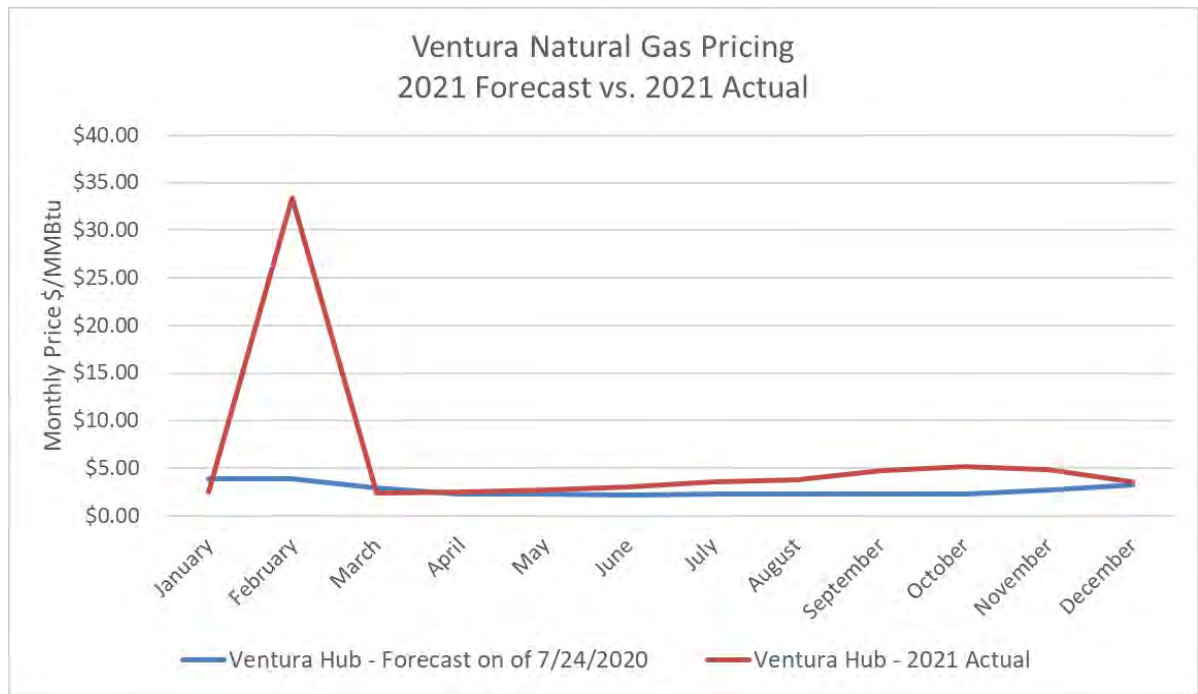
**F. 2021 MARKET PRICES FOR NATURAL GAS AND ENERGY
SIGNIFICANTLY HIGHER**

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 in 2021 as

¹⁰ December 31, 2020, Order in Docket No. E017/AA-20-462.

natural gas prices saw an abnormally high spike in February during the Polar Vortex that impacted much of the central United States. Gas prices continued to climb throughout the year with prices reaching the \$5/MMBtu range in late Q3 and into Q4 of 2021. The graph below compares the 2021 actual average monthly Ventura Hub natural gas prices relative to the forecasted prices from July 24, 2020, 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.



2. LMP Prices

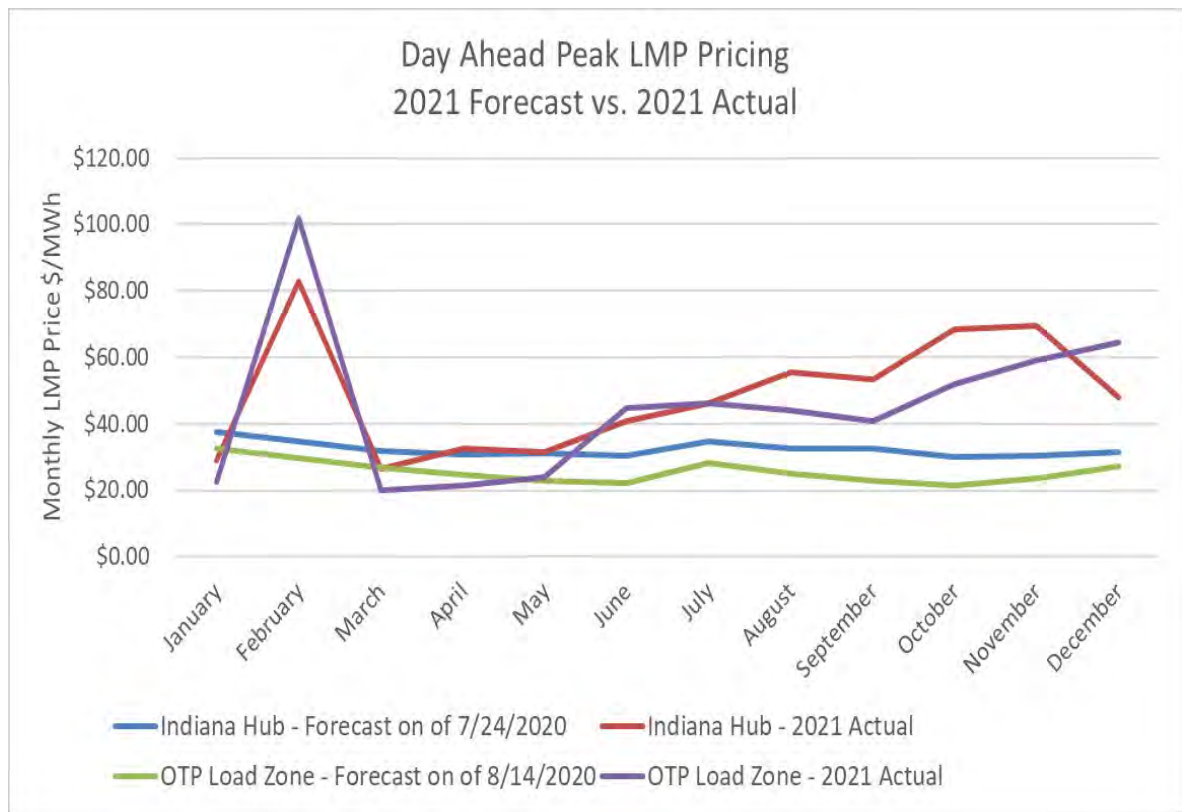
A key input in Otter Tail’s Strategist model which was used to develop 2021 forecasted rates is forecasted LMP prices. The model uses these prices to estimate how generating resources will be dispatched based on their respective operating costs to meet forecasted load. When market prices are lower than the fuel costs to generate, the model assumes market purchases will meet load, just like the real market works.

Otter Tail’s forecasted 2021 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 2021 Otter Tail forecast utilized the July 24, 2020, Indiana Hub forward price curve.

Actual 2021 Indiana Hub pricing, compared to the July 24, 2020, forward Indiana Hub price curve, increased approximately 25 percent. Similarly, actual 2021 Otter Tail load zone pricing, compared to the forecasted July 24, 2020, Otter Tail load zone price curve, increased approximately 33 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, are shown in the graph below.



Additional discussion on 2021 market conditions is included in Appendix A Section 3 7.C. of this filing.

G. GENERATION OUTPUT

As noted earlier, the Strategist model that Otter Tail used to develop its 2021 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 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 2021 was in line with forecasted amounts for 2021 with actual generation 0.4 percent higher than forecast and associated fuel costs 0.77 percent higher. Table 5 below summarizes actual baseload generation output and fuel costs for 2021 compared to forecast. Included in 2021 fuel costs for Coyote Station was a settlement payment relating to an arbitrated dispute. The dispute arose from the Coyote Station's co-owners mine-mouth coal supply contract with Dakota Westmoreland Corporation (DWC), which was terminated in 2016. The dispute concerned minimum delivery and fuel purchase quantities from 2014-2016. DWC's insurers, along with DWC and its affiliated company Westmoreland Coal Company initiated the arbitration in late 2018. The parties to the arbitration settled the dispute in December 2021. Otter Tail's share of the settlement (as a 35 percent Coyote Station co-owner) for the additional fuel related cost was [PROTECTED DATA BEGINS...PROTECTED DATA ENDS] (Total System).

Table 5
2021 Baseload Generation
Forecast to Actual Comparison
(Total System)

Generating Unit	Actual MWhs	Forecast MWhs	Variance	Variance %
Big Stone Plant	891,987	846,107	45,880	5.4%
Coyote Station	860,799	914,974	(54,175)	(5.9%)
Hoot Lake Plant Unit 2	74,967	75,084	(118)	(0.2%)
Hoot Lake Plant Unit 3	49,941	34,488	15,453	44.8%
Total Baseload Generation -MWhs	1,877,694	1,870,654	7,040	0.4%
Total Baseload Fuel Costs¹¹	\$41,891,976	\$41,570,398	\$321,578	0.77%

¹¹ Includes both costs of coal and fuel oil used at the plants.

2. Operational Changes – Big Stone Plant, Coyote Station and Hoot Lake Plant

Otter Tail is a co-owner of Big Stone Plant (53.9 percent) along with Northwestern Energy (23.4 percent) and Montana-Dakota Utilities Co. (22.7 percent). Otter Tail is also a joint owner of Coyote Station (35 percent) along with Minnkota Power Cooperative (30 percent), Montana-Dakota Utilities Co. (25 percent) and Northwestern Energy (10 percent). Northwestern Energy's share of each plant is offered into the Southwest Power Pool (SPP) market, while Otter Tail and the rest of the joint owner's shares are part of the MISO market. Historically these plants have operated under a "must-run" status which means that the units are self-committed¹² into the markets at a minimum level each day and depending on market conditions, MISO and/or SPP can dispatch those plants higher if market and/or reliability conditions merit additional output. The respective co-owners have generally relied on these units to meet their respective customer loads day after day.

In April of 2020, the co-owners of Big Stone Plant agreed to a plan that would allow, if conditions warranted, the capability to offer the plant into the MISO and SPP markets on an economic dispatch basis. While at any time, any one of the co-owners can request their share of the unit¹³ be self-scheduled into the market, or if either SPP or MISO require the unit to run, all owners are required to take their minimum share of the plant as it is committed to their respective markets. There were periods during 2021 where the unit did operate under an economic dispatch status which kept the plant off-line. In those cases, loads were served through additional day ahead (DA) and real time (RT) market purchases or the dispatch of other lower priced generating units.

In April of 2021, the co-owners of Coyote Station agreed to a plan that would allow, if conditions warranted, the capability to offer the plant into the MISO and SPP markets on an economic dispatch basis. Like Big Stone Plant, at any time, any one of the co-owners can request their share of the unit¹⁴ be self-scheduled into the market, or if either SPP or MISO require the unit to run, all owners are required to take their minimum share of the plant as it is committed to their respective markets. There were periods during 2021 where the unit did

¹² More detailed information on self-commit/self-schedule operations is available in Otter Tail's March 1, 2021 Annual Compliance Filing in Docket No. E999-CI-19-704.

¹³ While MISO and SPP look at each owner's shares as separate units when called upon for dispatch, the plant can only operate as one unit.

¹⁴ While MISO and SPP look at each owner's shares as separate units when called upon for dispatch, the plant can only operate as one unit.

operate under an economic dispatch status which kept the plant off-line. In those cases, loads were served through additional day ahead (DA) and real time (RT) market purchases or the dispatch of other lower priced generating units.

Hoot Lake Plant was generally offered into the market on an economic dispatch basis except for the winter months where one unit is committed to must run for purposes of providing building heat. Hoot Lake Plant operated until the end of May 2021 when the plant was retired.

3. Plant Availability

Big Stone Plant experienced four forced outages in 2021, the lengthiest outage coming from an extension of the planned 8-week major overall outage that started in mid-September 2021. During routine inspection of the HP/IP turbine during the planned outage, solid particle erosion in the first two stages of the IP turbine stationary blading was discovered. The Big Stone Plant co-owners decided to repair the erosion during the outage. Solid particle erosion occurs when particles within a boiler or turbine inlet piping are swept up with the steam flow and then those particles impact on the components of the steam turbine. Given enough solid particles, turbine materials can be eroded away. Introduction of solid particles within a system can occur when that system is opened up for maintenance purposes. Back in 2015, the boiler reheater section was replaced during a planned outage. Air blows of the replacement reheat sections and installation of temporary strainers upstream of the turbine were completed at the time to protect the HP/IP turbine from future solid particle erosion. The solid particle erosion seen during the recent inspection is believed to be from finer particles that the temporary strainers were not able to stop. The period from November 11, 2021, to December 3, 2021, during which time the turbine blades were repaired, was deemed a forced outage.

Coyote Station had seven forced outages, related to tube leaks, a circulating pump failure, transformer oil leak, turbine balancing and a failed relay. Coyote Station also had four boiler washes in 2021.

Hoot Lake Plant unit 2 experienced two forced outages for tube leaks. As of May 27, 2021, Hoot Lake Plant units 2 and 3 had all usable coal emptied from bunkers and were placed in outage until their retirement at the end of May.

A complete listing of 2021 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.

4. Wind Generation

Output from Otter Tail’s owned wind generation fleet was approximately 13.7 percent higher than forecasted for 2021. As Table 6 below shows, a little more than half of the generation variance was attributable to Merricourt’s generation. When Otter Tail developed its 2021 forecast, Otter Tail anticipated potential curtailments of Merricourt during its first year of operation due to other transmission interconnection projects being constructed in the region. During 2020, Otter Tail designed and obtained approval to implement a Remedial Action Scheme (RAS) to help mitigate potential outages. A RAS is a sophisticated relaying, protection and communication system that takes automatic action based on the real-time condition of the transmission system. Generators that are part of the RAS are allowed to operate at higher output levels during planned outages because the next contingency on the transmission system will automatically reduce the output of the generator to prevent transmission overloading and keep the system reliable. To Otter Tail’s knowledge, its RAS service is the first of its type in the United States. As a result of the RAS, Otter Tail was able to operate Merricourt at higher levels during 2021 than originally anticipated, contributing a larger volume of zero cost MWhs to Otter Tail’s overall generation supply in 2021.

Table 6
2021 OTP Owned Wind Generation
Forecast to Actual Comparison
(Total System)

	Actual MWhs	Forecast MWhs	Variance	Variance %
Langdon Wind	144,103	142,495	1,608	1.1%
Ashtabula Wind	139,379	151,385	(12,006)	(7.9%)
Luverne Wind	174,859	176,281	(1,422)	(0.8%)
Merricourt Wind	501,570	374,207	127,363	34.0%
Total Wind	959,910	844,368	115,542	13.7%

H. 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 slightly higher levels than forecast in 2021,

despite higher gas prices. 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).

I. MARKET PURCHASES AND PURCHASED POWER AGREEMENTS

Otter Tail has three long-term wind Purchased Power Agreements (PPAs) as part of our overall resource portfolio to serve our load. 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. During the February Polar Vortex, Otter Tail had in place, a forward purchase which significantly reduced Otter Tail's exposure during that cold weather event by approximately [PROTECTED DATA BEGINS...
...PROTECTED DATA ENDS].

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
2021 Purchased Power Summary
Forecast to Actual Comparison
(Total System)

	Actual	Forecast	Variance	Variance %
Wind PPAs – MWhs	308,450	329,214	(20,764)	(6.3%)
Shared Loads/ Small Cogen - MWhs	145,109	132,311	12,799	9.7%
Bilateral and MISO Market purchases – MWhs	1,654,880	1,975,892	(321,012)	(16.3%)
Total Purchases - MWhs	2,108,439	2,437,417	(328,978)	(13.5%)
Total Purchases - Cost	\$69,581,125	\$59,381,149	\$10,199,976	17.2%
Average Cost per MWh	\$33.01	\$24.36	\$8.64	35.5%

As noted in Table 7 above, Otter Tail's wind PPAs were approximately (6.3 percent) less than forecasted levels for 2021. 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 2021.

As discussed earlier, market prices were significantly higher in 2021 than what Otter Tail had forecasted when rates were set. As a result, Otter Tail's plants were dispatched at higher levels and reducing the volume of market purchases during the year. As noted in Table 7, total bilateral and market-based purchases of 1,654,880 MWhs were (16 percent) lower than the 1,975,892 MWhs forecast in 2021. As a portfolio, overall purchased power of 2,108,439 MWhs was approximately (13.5 percent) lower than the 2,437,417 MWhs forecasted amount. Despite the decreased volume, overall costs of purchased power were \$10.2 million higher than forecasted for 2021, accounting for a significant increase in overall costs for 2021. The average cost was \$33.01/MWh compared to the forecasted average cost of \$24.36/MWh for the portfolio of resources summarized in Table 7.

J. 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 SPP¹⁵ 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 2021 MISO and SPP Market Charges which, in aggregate, were forecasted to be an expense of approximately \$1.3 million but resulted in a revenue credit of approximately (\$9.6) 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).

¹⁵ Additional background information on Otter Tail load in SPP can be found in Appendix A Section 4 of this filing.

Table 8
2021 MISO and SPP Wholesales Market Charges
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
MISO Market Charges	(\$7,233,575)	\$2,274,525	(\$9,508,100)	(418.03%)
SPP Market Charges	(\$2,391,957)	(\$969,957)	(\$1,422,000)	146.60%
Total Market Charges	(\$9,625,532)	\$1,304,569	(\$10,930,100)	(837.83%)

K. ASSET BASED SALES

Otter Tail's forecasted fuel costs for 2021, as computed in the Strategist model, projected a very small amount of 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 2021, Otter Tail realized approximately (\$15.6) million of asset-based sales that offset fuel costs and provided a margin, all of which is credited back to through the fuel clause per provisions of Otter Tail's EAR Tariff Section 13.01. 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 meetings Otter Tail's load. Table 9 below summarizes 2021 Asset based forecast to actual results.

Table 9
2021 Asset Based Sales
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
Fuel Costs of Asset Based Sales	(\$11,469,286)	(\$2,602,005)	(\$8,867,281)	(340.8%)
Margin on Asset Based Sales	(\$4,119,910)	(\$1,829,504)	(\$2,290,406)	(125.2%)
Total Asset Based Sales	(\$15,589,196)	(\$4,431,509)	(\$11,157,688)	(251.8%)

L. ASM, WIND CURTAILMENTS

At times, Otter Tail's generating resources are called upon to provide ancillary services 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. Both ASM revenues and curtailment costs were higher in 2021 but impacts

were not material. Forecast to actual details can be found in Attachments 2 and 3 as for these items.

M. TRUE-UP BALANCE AS OF DECEMBER 31, 2021

Attachment 1 and Attachment 1.1 to this filing provide the monthly detail of total system sales, total system FCA costs, monthly recovery of costs and remaining true-up balances. Otter Tail will adopt the format of Attachment 1 in future filings as that design provides a better layout for details associated with true-ups and refunds than previous format of Attachment 1.1. The amount of this year's true-up is a debit of (\$700,126) as summarized in Table 10 below. The calculation of the annual true-up debit of \$0.0008 per kWh can be found in Attachment 1.

Table 10
2021 Annual True-Up Rate
MN Share

Line	Item	Amount
1	Total 2021 recovery from forecasted EAR and base rates before refunds:	\$50,869,898
2	Actual 2021 energy costs (MN Share)	\$52,407,780
3	Over/(Under) Recovery	(\$1,537,882)
4	Estimated True-up balance from 2018/2019 yet to be refunded	\$209,826
5	Estimated True-up balance from 2020 yet to be refunded	\$1,673,516
6	Amount refunded during September 1 – December 31, 2021	(\$1,045,587)
7	Total Net Remaining True-up Over/(Under) Recovery (Sum of lines 3-6)	(\$700,126)

Line 3 in Table 10 above shows that total collections based on approved rates were approximately \$50.9 million, yielding an under-collection of over (\$1.5) million for the 2021 recovery year. This amount does not consider any amounts refunded. As noted earlier and reflected in Attachment 1, Otter Tail refunded the approximately (\$8.4) million Q2/Q3 2020 over-collection during the first half of 2021. Otter Tail estimates that approximately \$837,755 will still need to be refunded for prior periods (net of lines 4-6 in Table 10 above) and has proposed to include that balance in this true-up.

Based on the size of the recovery balance, Otter Tail proposes to implement the net 2021 and prior period true-up to recover the (\$700,126) balance, starting with bills beginning on and after September 1, 2022, and continuing for four months as applied to usage during the September to December 2022 timeframe. This is a deviation versus the twelve-month period as

stated in Otter Tail's EAR Rate Schedule, Section 13.01. The true-up rate will be incrementally added to the approved monthly rates that will be applied to sales that are subject to the FCA for September 1, 2022, through December 31, 2022. This is reflected in Attachment 1 (Otter Tail's 2021 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 2021 is being filed on or before March 1, 2022. 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.

N. 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 higher than forecasted for 2021 which caused under-collections to occur throughout 2021. Otter Tail’s actual costs were reasonable and prudent for 2021 given the significant increase in market prices that occurred. Otter Tail’s remaining over-collection of costs from prior periods are appropriate to offset the under-recovery of costs in 2021. Otter Tail also seeks Commission approval of all reporting and compliance components of this annual automatic adjustment of charges report as required by rules and prior Commission orders.

Dated: March 1, 2022

Respectfully submitted,

OTTER TAIL POWER COMPANY

By: /s/ *STUART TOMMERDAHL*

Stuart Tommerdahl
Manager, Regulatory Administration
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
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Otter Tail Power Company True-Up for kWh Subject to Energy Adjustment Rider (EAR)
Docket No. E017/AA-20-462
Annual True-Up Period of January 2021 through December 2021

		Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	YTD 2021 Total
1	Total System Sales (kWh)	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	4,772,030,634
2	Total System Energy Cost	\$8,984,775	\$12,259,410	\$6,739,893	\$5,532,257	\$6,476,879	\$7,105,698	\$8,473,293	\$8,133,365	\$3,528,599	\$9,190,794	\$14,991,200	\$12,053,906	\$103,470,069
3	MN kWh Sales Subject to Energy Adjustment Rider (EAR)	235,878,236	226,947,372	217,394,929	211,196,546	184,109,580	197,816,426	195,745,043	201,106,246	181,361,690	165,205,647	188,519,883	211,760,677	2,417,042,275
4	MN FCA Revenue	\$396,002	\$3,165,985	\$3,369,979	\$3,004,910	\$2,388,262	\$2,634,700	\$3,052,555	\$4,177,007	\$3,879,613	\$3,200,562	\$3,751,123	\$4,363,378	\$37,384,077
5	2019 True Up Rate	(\$0.0005)	(\$0.0005)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
6	2019 True Up Refund (line 3 * line 5)	(\$117,939)	(\$113,474)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$231,413)
7	Refund of Q2/Q3 2020 Tracker Balance Rate	(\$0.0061)	(\$0.0061)	(\$0.0061)	(\$0.0061)	(\$0.0061)	(\$0.0061)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
8	Refund of Q2/Q3 2020 Tracker Balance (line 3 * line 7)	(\$1,438,857)	(\$1,384,379)	(\$1,326,109)	(\$1,288,299)	(\$1,123,068)	(\$1,206,680)	\$0	\$0	\$0	\$0	\$0	\$0	(\$7,767,393)
9	Refund of 2018, 2019 and 2020 True Up Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	(\$0.0014)	(\$0.0014)	(\$0.0014)	(\$0.0014)	
10	Refund of 2018, 2019 and 2020 True Up Balance (line 3 * line 9)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$253,906)	(\$231,288)	(\$263,928)	(\$296,465)	(\$1,045,587)
11	Net MN FCA Revenue (line 4 - line 6 - line 8 - line 10)	\$1,952,799	\$4,663,838	\$4,696,089	\$4,293,209	\$3,511,331	\$3,841,380	\$3,052,555	\$4,177,007	\$4,133,519	\$3,431,850	\$4,015,051	\$4,659,843	\$46,428,469
12														kWh Subject to EAR (Dec 2020 kWh in January 2021) 180,165,060
13														MN FCA Revenue (line 11) \$46,428,469
14														Recovery from Base Cost \$0.024652 (1) \$4,441,429
15														Total Adjusted Recovery (2) \$50,869,898
16														Actual Energy Cost (3) \$52,407,780
17														Over/(Under) Recovery for 2021 FCA Year (4) (\$1,537,882)
18														Remainder of 2018-2019 AAA True-Up and 2020 FCA Year True-up (6) \$ 837,755
19														Current Over/(Under) to Customers (7) (\$700,126)
20														Forecasted kWh Sept. 2022 - Dec. 2022 (8) 912,901,078
21														Annual True-up Factor Over/(Under) (9) (\$0.0008)
	(1) Recovery from base cost: \$0.024652 x MN kWh sales subject to FCA (Dec. 2020 kWh in Jan. 2021) (2) Total adjusted recovery: Sum of recovery from FCA and recovery from base cost (3) Actual energy cost: MN kwh sales subject to COE / total sys sales x total sys energy cost (4) Over/under recovery: total adjusted recovery - actual energy cost (5) % over/under recovery: over/under recovery / actual energy cost (6) Cumulative Over/(Under) Recovery (7) Sum of current year Over/(Under) recovery and Cumulative of prior period(s) (8) Forecasted kWh - Energy Adjustment Rider, Section 13.01 - "The over- or under- recovery amount as shown in the current year Annual Automatic Adjustment True-up report will be divided by the forecasted Minnesota Kilowatt-Hours subject to the fuel adjustment clause for the proposed twelve month recovery period the true-up rate will be in effect and then multiplied by the applicable EAF ratio." (9) Refund to customers / Forecasted kWh September 2022 through August 2023													
					(5) % Over/(Under) Recovery	-1.34%								
					% of MN sales (subject to FCA) to system	50.6502%								
					Energy costs allocated to MN for sales subject to FCA	\$52,407,780								

Otter Tail Power Company True-up for kWh subject to FCA
Docket E017/AA-20-462
Calculation of Annual True-up - January 2021 through December 2021

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
Line No.	Month	MN FCA Revenue	2019 True-up Rate	2019 True-up (C)*(J)	Refund of Q2/Q3 2020 Tracker Balance True-up Rate	Refund of Q2/Q3 2020 Tracker Balance in Q1/Q2 2021 (E)*(J)	Refund of Prior True Ups True-up Rate	Refund of Prior True Ups (G)*(J)	Net FCA Revenue (B)-(D)-(F)-(H)	MN kWh Sales Subject to COE	Total System Energy Cost	Total System Sales
1	Jan-21	\$396,002	(\$0.0005)	(\$117,939)	(\$0.0061)	(\$1,438,857)	\$0.0000	\$0	\$1,952,799	235,878,236	\$8,984,775	482,448,774
2	Feb-21	\$3,165,985	(\$0.0005)	(\$113,474)	(\$0.0061)	(\$1,384,379)	\$0.0000	\$0	\$4,663,838	226,947,372	\$12,259,410	461,377,536
3	Mar-21	\$3,369,979	\$0.0000	\$0	(\$0.0061)	(\$1,326,109)	\$0.0000	\$0	\$4,696,089	217,394,929	\$6,739,893	446,527,559
4	Apr-21	\$3,004,910	\$0.0000	\$0	(\$0.0061)	(\$1,288,299)	\$0.0000	\$0	\$4,293,209	211,196,546	\$5,532,257	409,647,973
5	May-21	\$2,388,262	\$0.0000	\$0	(\$0.0061)	(\$1,123,068)	\$0.0000	\$0	\$3,511,331	184,109,580	\$6,476,879	351,240,674
6	Jun-21	\$2,634,700	\$0.0000	\$0	(\$0.0061)	(\$1,206,680)	\$0.0000	\$0	\$3,841,380	197,816,426	\$7,105,698	363,865,633
7	Jul-21	\$3,052,555	\$0.0000	\$0	\$0.0000	\$0	\$0.0000	\$0	\$3,052,555	195,745,043	\$8,473,293	368,366,138
8	Aug-21	\$4,177,007	\$0.0000	\$0	\$0.0000	\$0	\$0.0000	\$0	\$4,177,007	201,106,246	\$8,133,365	387,057,252
9	Sep-21	\$3,879,613	\$0.0000	\$0	\$0.0000	\$0	(\$0.0014)	(\$253,906)	\$4,133,519	181,361,690	\$3,528,599	349,232,882
10	Oct-21	\$3,200,562	\$0.0000	\$0	\$0.0000	\$0	(\$0.0014)	(\$231,288)	\$3,431,850	165,205,647	\$9,190,794	319,965,945
11	Nov-21	\$3,751,123	\$0.0000	\$0	\$0.0000	\$0	(\$0.0014)	(\$263,928)	\$4,015,051	188,519,883	\$14,991,200	382,935,886
12	Dec-21	\$4,363,378	\$0.0000	\$0	\$0.0000	\$0	(\$0.0014)	(\$296,465)	\$4,659,843	211,760,677	\$12,053,906	449,364,382
13	Totals	\$37,384,077		(\$231,413)		(\$7,767,393)		(\$1,045,587)	\$46,428,469	2,417,042,275	\$103,470,069	4,772,030,634
14	KWH subject to COE 180,165,060 (December 2020 kWh in January 2021)											
15	Recovery from FCA			\$46,428,469								
16	Recovery from base cost			(1) \$4,441,429								
17	Total adjusted recovery			(2) \$50,869,898								
18	Actual energy cost			(3) \$52,407,780								
19	Over/(under) recovery for 2021 FCA Year			(4) (\$1,537,882)								
20	Remainder of 2018-2019 AAA True-Up and 2020 FCA Year True-up			(6) \$ 837,755								
21	Current Over/(Under) to Customers			(7) (\$700,126)								
22	Forecasted kWh Sept. 2022 - Dec. 2022			(8) 912,901,078								
23	Annual True-up Factor			(9) (\$0.0008)								
24	Base cost =			\$0.024652								

- (1) Recovery from base cost: \$0.024652 x MN kWh sales subject to FCA (Dec. 2020 kWh in Jan. 2021)
(2) Total adjusted recovery: Sum of recovery from FCA and recovery from base cost
(3) Actual energy cost: MN kWh sales subject to COE / total sys sales x total sys energy cost
(4) Over/under recovery: total adjusted recovery - actual energy cost
(5) % over/under recovery: over/under recovery / actual energy cost
(6) Cumulative Over/(Under) Recovery
(7) Sum of current year Over/(Under) recovery and Cumulative of prior period(s)
(8) Forecasted kWh - Energy Adjustment Rider, Section 13.01 - "The over- or under- recovery amount as shown in the current year Annual Automatic Adjustment True-up report will be divided by the forecasted Minnesota Kilowatt-Hours subject to the fuel adjustment clause for the proposed twelve month recovery period the true-up rate will be in effect and then multiplied by the applicable EAF ratio."
(9) Refund to customers / Forecasted kWh September 2022 through August 2023

% of MN sales (subject to FCA) to system 50.6502%
Energy costs allocated to MN for sales subject to FCA \$52,407,780

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-21	February-21	March-21	April-21	May-21	June-21	July-21	August-21	September-21	October-21	November-21	December-21	Year End
2	Based on Period Ending	01/31/21	2/29/2021	03/31/21	04/30/21	05/31/21	06/30/21	07/31/21	08/31/21	09/30/21	10/31/21	11/30/21	12/31/21	Total
3	Plant Generation	\$6,152,148	\$5,175,095	\$5,671,372	\$3,754,125	\$2,913,020	\$2,254,344	\$5,220,036	\$3,573,372	\$2,444,833	\$1,840,683	\$2,733,896	\$4,253,121	\$45,986,045
4	Wholesale Market Charges	\$136,330	\$128,539	\$137,264	\$122,145	\$119,367	(\$6,810)	\$92,192	\$89,928	\$108,383	\$110,622	\$132,221	\$134,388	\$1,304,568
5	Purchased Power	\$5,120,567	\$5,216,126	\$3,688,239	\$4,117,608	\$4,474,129	\$4,986,834	\$2,792,820	\$4,860,413	\$4,918,173	\$5,808,986	\$6,571,163	\$6,826,089	\$59,381,149
6	Wind Curtailment	\$9,740	\$5,479	\$7,319	\$14,697	\$19,220	\$6,152	(\$2,875)	\$15,013	\$8,072	\$31,572	\$387	(\$2,253)	\$112,524
7	Fuel costs of Asset-Based Sales	(\$530,017)	(\$198,892)	(\$197,266)	(\$357,933)	(\$323,086)	(\$115,771)	(\$298,621)	(\$225,957)	(\$124,155)	(\$747)	(\$1,331)	(\$228,229)	(\$2,602,005)
8	MISO ASM	(\$28,788)	(\$15,378)	(\$21,013)	(\$26,488)	(\$2,253)	(\$18,057)	(\$54,467)	(\$47,466)	(\$46,058)	(\$7,680)	(\$1,152)	(\$25,028)	(\$293,829)
9	MN Asset-Based Margins	(\$522,742)	(\$84,135)	(\$74,261)	(\$162,035)	(\$201,346)	(\$39,992)	(\$170,007)	(\$117,015)	(\$55,284)	\$295	(\$822)	(\$402,160)	(\$1,829,504)
10	Fuel Costs and Purchase Power for System Use	\$10,337,238	\$10,226,834	\$9,211,654	\$7,462,119	\$6,999,051	\$7,066,700	\$7,579,079	\$8,148,288	\$7,253,963	\$7,783,731	\$9,434,362	\$10,555,929	\$102,058,949
11	Energy for System Use (kWh)	504,002,585	459,589,495	445,814,270	391,417,295	361,884,646	350,972,019	372,305,370	368,879,307	349,884,199	368,214,974	428,949,066	483,412,694	4,885,325,922
12	Forecast Cost per kWh Approved December 2020	0.020510	0.022252	0.020663	0.019064	0.019341	0.020135	0.020357	0.022089	0.020732	0.021139	0.021994	0.021836	0.020891
13	Jul 2018 - Dec 2019 True Up Factor Approved May 2020	(0.000500)	(0.000500)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	
14	Refund of Q2/Q3 2020 Tracker Balance Approved November 2020	(0.006100)	(0.006100)	(0.006100)	(0.006100)	(0.006100)	(0.006100)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	
15	2020 True Up Factor Approved June 2021	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	(0.001400)	(0.001400)	(0.001400)	(0.001400)	
16	EAR Rate With Approved True Up and Refunds	0.013910	0.015652	0.014563	0.012964	0.013241	0.014035	0.020357	0.022089	0.019332	0.019739	0.020594	0.020436	

ACTUAL COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
17	Rate Effective month	January-21	February-21	March-21	April-21	May-21	June-21	July-21	August-21	September-21	October-21	November-21	December-21	Year End
18	Based on Period Ending	01/31/21	2/29/2021	03/31/21	04/30/21	05/31/21	06/30/21	07/31/21	08/31/21	09/30/21	10/31/21	11/30/21	12/31/21	Total
19	Plant Generation	\$ 4,890,124	\$ 6,270,826	\$ 3,553,231	\$ 2,670,701	\$ 4,031,895	\$ 5,461,083	\$ 7,379,568	\$ 6,204,032	\$ 4,114,570	\$ 4,656,089	\$ 4,445,115	\$ 5,649,362	\$59,326,596
20	Wholesale Market Charges	\$ 577,501	\$ (107,753)	\$ (304,340)	\$ (1,080,162)	\$ (1,184,411)	\$ (1,325,523)	\$ 420,875	\$ 163,545	\$ (985,760)	\$ (1,538,771)	\$ (953,115)	\$ (3,307,618)	(\$9,625,532)
21	Purchased Power (1)	\$ 3,888,832	\$ 9,124,667	\$ 4,115,834	\$ 3,969,849	\$ 4,467,692	\$ 4,862,631	\$ 3,105,809	\$ 3,851,936	\$ 2,205,382	\$ 6,952,229	\$ 12,057,108	\$ 10,979,154	\$69,581,124
22	Wind Curtailment	\$ 3,207	\$ 5,615	\$ (3,759)	\$ 170,057	\$ (53,034)	\$ 17,113	\$ 64,620	\$ (25,779)	\$ (5,657)	\$ 46,014	\$ 89,424	\$ 29,747	\$337,570
23	Fuel costs of Asset-Based Sales	\$ (330,531)	\$ (1,048,149)	\$ (619,142)	\$ (306,326)	\$ (672,934)	\$ (1,298,661)	\$ (2,127,078)	\$ (1,411,826)	\$ (1,553,263)	\$ (757,291)	\$ (624,057)	\$ (720,029)	(\$11,469,286)
24	MISO ASM	\$ (50,762)	\$ (89,820)	\$ (54,845)	\$ (3,338)	\$ (28,972)	\$ (119,705)	\$ (46,927)	\$ (90,767)	\$ (53,555)	\$ (8,347)	\$ 4,971	\$ (18,425)	(\$560,492)
25	MN Asset-Based Margins	\$ 6,404	\$ (1,895,977)	\$ 52,914	\$ 111,476	\$ (83,356)	\$ (491,240)	\$ (323,575)	\$ (557,778)	\$ (193,118)	\$ (159,130)	\$ (28,246)	\$ (558,285)	(\$4,119,910)
26	Fuel Costs and Purchase Power for System Use	\$8,984,775	\$12,259,410	\$6,739,893	\$5,532,257	\$6,476,879	\$7,105,698	\$8,473,293	\$8,133,365	\$3,528,599	\$9,190,794	\$14,991,200	\$12,053,906	\$103,470,069
27	Energy for System Use (kWh)	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	4,772,030,634
28	Actual Cost per kWh	0.018623	0.026571	0.015094	0.013505	0.018440	0.019528	0.023002	0.021013	0.010104	0.028724	0.039148	0.026824	0.021683

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

Line	Plant Generation	January 2021 Forecast to Actual - Expense (Revenue)					Notes
		January 2021 Forecast	January 2021 Actual				
1	Big Stone	[PROTECTED DATA BEGINS...]					
2	Coyote						
3	Hoot Lake #2						Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3						
5							
6		Total Coal	\$ 5,766,635	\$ 4,806,011	\$ (960,624)	-16.66%	
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	Fergus Control Center						
21							
22		Total Oil - Peaking Units	\$ -	\$ 15,895	\$ 15,895	0	
23		[PROTECTED DATA BEGINS...]					
24	Natural gas - Solway						
25	Natural gas - Astoria						
26							
27		Total Natural Gas	\$ 385,513	\$ 68,218	\$ (317,295)	-82.30%	
28		[PROTECTED DATA BEGINS...]					
29	Solar - Blue Jay						
30	Solar - Blue Heron						
31							
32		Total Solar	\$ -	\$ -	\$ -	0	
33							
34		Total OTP-Owned	\$ 6,152,148	\$ 4,890,124	\$ (1,262,025)	-20.51%	
35							
36	Wholesale Market Charges						
37	MISO Wholesale Market Charges						
38	#####	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	#####	DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	#####	DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	#####	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	#####	RT Distribution of Losses Amount	\$ (179,950)	\$ (147,108)	\$ 32,842	-18.25%	
43	#####	RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	#####	DA Loss Amount	\$ 489,377	\$ 511,091	\$ 21,714	4.44%	
45	#####	RT Loss Amount	\$ 14,232	\$ 24,136	\$ 9,903	69.58%	
46	#####	RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	#####	DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	#####	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	#####	RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	#####	DA Mkt Admin Amount	\$ 76,138	\$ 60,829	\$ (15,309)	-20.11%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	#####	RT Mkt Admin Amount	\$ 7,263	\$ 5,831	\$ (1,432)	-19.72%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	#####	FTR Mkt Admin Amount	\$ 2,113	\$ 2,360	\$ 246	11.65%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	#####	DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	#####	DA Congestion	\$ 235,808	\$ 802,920	\$ 567,112	240.50%	
55	#####	RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	#####	RT Congestion	\$ (12,070)	\$ (37,447)	\$ (25,377)	-210.24%	
57	#####	FTR Hourly Allocation Amount	\$ (342,730)	\$ (401,314)	\$ (58,583)	-17.09%	
58	#####	FTR Monthly Allocation Amount	\$ (19,459)	\$ (15,636)	\$ 3,823	-19.65%	
59	#####	FTR Yearly Allocation Amount	\$ (1,389)	\$ (50,972)	\$ (49,583)	-3569.83%	
60	555.3	FTR Monthly Transaction Amount	\$ (9,424)	\$ -	\$ 9,424	-100.00%	
61	#####	FTR Full Funding Guarantee Amount	\$ 8,710	\$ (19,034)	\$ (27,744)	-318.53%	
62	#####	FTR Guarantee Uplift Amount	\$ (4,333)	\$ 41,901	\$ 46,234	-1067.00%	
63	555.3	FTR Auction Revenue Rights Transaction Amount	\$ (183,251)	\$ (389,492)	\$ (206,241)	-112.55%	
64	555.3	FTR Annual Transaction Amount	\$ 183,138	\$ 384,963	\$ 201,825	-110.20%	
65	555.3	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,486	\$ 2,175	\$ (2,311)	-51.52%	
66	555.4	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (30,106)	\$ (23,825)	\$ 6,282	-20.86%	
67	#####	DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	#####	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,771	\$ 10,861	\$ 2,090	23.83%	
69	#####	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (1,039)	\$ (598)	\$ 442	-42.49%	
70	#####	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 11,277	\$ (10,811)	-48.95%	
71	#####	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	#####	RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (50,751)	\$ (38,254)	-306.09%	
73	#####	RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 86,219	\$ 43,761	103.07%	
74	#####	RT Misc Amount	\$ 18,176	\$ 0	\$ (18,176)	-100.00%	
75	#####	RT Net Inadvertent Amount	\$ 1,235	\$ (412)	\$ (1,647)	-133.35%	
76	#####	RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.3	RT Demand Response Allocation Uplift Amount	\$ -	\$ 5,658	\$ 5,658	0	
78	555.3	DA Ramp Product	\$ (912)	\$ (383)	\$ 529	-68.98%	
79	555.3	RT Ramp Product	\$ (148)	\$ (346)	\$ (198)	133.13%	
80	555.3	RT Schedule 49 Cost Distribution Amount	\$ 15,892	\$ 3,800	\$ (11,892)	-75.78%	
81	555.3	RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.3	RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	#####	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	#####	DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	#####	RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	#####	RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	#####	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ (21,866)	\$ (21,866)	0	
88							
89		Total MISO Wholesale Market Charges	\$ 227,182	\$ 725,918	\$ 498,737	219.53%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	#####	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	#####	DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	#####	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	#####	RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	#####	DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	#####	RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 365	\$ 264	261.86%	
98	#####	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	#####	RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 7	\$ (3)	-24.15%	
100	#####	DA Regulation-Down Distribution Amount	\$ 9	\$ 26	\$ 17	191.62%	
101	#####	DA Regulation-Up Distribution Amount	\$ 13	\$ 53	\$ 41	314.53%	
102	#####	DA Spinning Reserve Distribution Amount	\$ 2	\$ 41	\$ 27	193.61%	
103	#####	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 2	\$ 0	-10.31%	
104	#####	RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	#####	RT Over-Collected Losses Distribution Amount	\$ (11,752)	\$ (10,836)	\$ 916	-7.80%	
106	#####	RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	#####	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
108	#####	RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	#####	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	#####	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	#####	RT Pseudo Tie Congestion Amount	\$ (59,807)	\$ (116,172)	\$ (56,365)	94.25%	
112	#####	RT Pseudo Tie Loss Amount	\$ (19,437)	\$ (22,034)	\$ (2,597)	13.36%	
113	#####	Miscellaneous Amount	\$ (9)	\$ 58	\$ 68	-735.84%	
114	#####	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	#####	RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	7	\$	7	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	36	\$	36	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	28	\$	22	321.05%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	(0)	\$	(0)	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
121		Total SPP Wholesale Market Charges	\$	(90,852)	\$	(148,417)	\$	(57,566)	63.36%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(56,747)	\$	(91,386)	\$	(34,639)	61.04%	
125		Real Time Regulation Amount	\$	14,044	\$	20,595	\$	6,551	46.65%	
126		Regulation Cost Distribution Amount	\$	14,931	\$	17,332	\$	2,400	16.07%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(15,357)	\$	(11,420)	\$	3,936	-25.63%	
131		Real Time Spinning Reserve Amount	\$	(3,016)	\$	650	\$	3,666	-121.57%	
132		Spinning Reserve Cost Distribution Amount	\$	11,126	\$	8,635	\$	(2,491)	-22.39%	
133		Day Ahead Supplemental Reserve Amount	\$	(1,995)	\$	(8,920)	\$	(6,925)	347.08%	
134		Real Time Supplemental Reserve Amount	\$	1,124	\$	3,042	\$	1,918	170.64%	
135		Supplemental Reserve Cost Distribution Amount	\$	2,122	\$	1,355	\$	(767)	-36.15%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	7,882	\$	5,571	241.02%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1,896	\$	1,474	\$	(422)	-22.24%	
140		Total MISO ASM	\$	(28,788)	\$	(50,762)	\$	(21,973)	76.33%	
141										
142		Total Wholesale Market Charges	\$	107,542	\$	526,740	\$	419,198	389.80%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance								
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy
156										
157		Total Purchases	\$	5,120,567	\$	3,888,833	\$	(1,231,734)	-24.05%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	9,740	\$	3,207	\$	(6,533)	-67.07%	
160										
161		Asset Based Sales	\$	1,052,759	\$	324,128	\$	(728,631)	-69.21%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	530,017	\$	330,531	\$	(199,486)	-37.64%	
163		Asset Based Margins	\$	522,742	\$	(6,404)	\$	(529,146)	-101.22%	
164										
165		Total System - Plant Level	\$	10,337,238	\$	8,984,775	\$	(1,352,463)	-13.08%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		January 2021 Forecast to Actual - MWH		Notes
		January 2021 Forecast	January 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		[PROTECTED DATA ENDS]		
6	Total Coal	274,308	233,057	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		[PROTECTED DATA ENDS]		
13	Total Wind	90,527	73,240	
14				
15	Total Hydro	1,699	2,249	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		[PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		[PROTECTED DATA ENDS]		
27	Total Natural Gas	9,451	2,392	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		[PROTECTED DATA ENDS]		
32	Total Solar	-	2	
33				
34	Total OTP-Owned	375,986	310,940	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount**	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS)		
157		Total Purchases	186,848	179,785	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	320	101	
160					
161		Asset Based Sales	24,446	16,759	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	538,708	474,067	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		January 2021 Forecast to Actual - \$ per MWh		Notes
		January 2021 Forecast	January 2021 Actual	
Line	Plant Generation	(PROTECTED DATA BEGINS...)		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS		
6	Total Coal	\$ 21.02	\$ 20.62	
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	Fergus Control Center			
21		...PROTECTED DATA ENDS		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		(PROTECTED DATA BEGINS...)		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS		
27	Total Natural Gas	\$ 40.79	\$ 28.52	
28		(PROTECTED DATA BEGINS...)		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS		
32	Total Solar	\$ -	\$ -	
33		...PROTECTED DATA ENDS		
34	Total OTP-Owned	\$ 61.81	\$ 49.14	
35		...PROTECTED DATA ENDS		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555. RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 27.40	\$ 21.63	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 31.76	
160					
161		Asset Based Sales	\$ 43.06	\$ 19.34	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 19.19	\$ 18.95	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

February 2021 Forecast to Actual - Expense (Revenue)						
		February 2021 Forecast	February 2021 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 4,964,026	\$ 5,461,247	\$ 497,221	10.02%	
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	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units					
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 211,068	\$ 317,502	\$ 106,434	50.43%	
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	\$ 5,175,095	\$ 6,270,826	\$ 1,095,731	21.17%	
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	\$ (164,150)	\$ (541,438)	\$ (377,289)	229.84%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 446,408	\$ 1,464,278	\$ 1,017,870	228.01%	
45	RT Loss Amount	\$ 12,983	\$ 20,280	\$ 7,298	56.21%	
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	\$ 67,466	\$ 70,035	\$ 2,570	3.81%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 5,631	\$ 7,889	\$ 2,258	40.10%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,562	\$ 2,111	\$ 549	35.17%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 215,103	\$ 2,148,797	\$ 1,933,693	898.96%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (11,011)	\$ (320,935)	\$ (309,924)	2814.80%	
57	555.14 FTR Hourly Allocation Amount	\$ (312,637)	\$ (2,246,682)	\$ (1,934,045)	618.62%	
58	555.15 FTR Monthly Allocation Amount	\$ (17,750)	\$ (19,086)	\$ (1,336)	7.53%	
59	555.17 FTR Yearly Allocation Amount	\$ (1,267)	\$ -	\$ 1,267	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (8,597)	\$ (95,607)	\$ (87,010)	1012.13%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (8,934)	\$ (27,078)	\$ (18,143)	203.07%	
62	555.37 FTR Guarantee Uplift Amount	\$ 10,782	\$ 21,048	\$ 10,266	95.22%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (183,251)	\$ (389,492)	\$ (206,241)	112.56%	
64	555.38 FTR Annual Transaction Amount	\$ 183,138	\$ 384,963	\$ 201,825	110.20%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,485	\$ 2,175	\$ (2,310)	-51.51%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (30,332)	\$ (23,824)	\$ 6,508	-21.46%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 9,957	\$ 38,813	\$ 28,856	289.80%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (411)	\$ (9,157)	\$ (9,115)	22007.17%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 478,862	\$ 456,773	2067.89%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (15,005)	\$ (2,508)	20.07%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ (251,237)	\$ (293,694)	-691.74%	
74	555.25 RT Misc Amount	\$ 18,176	\$ 758	\$ (17,419)	-95.83%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ 2,055	\$ 820	66.39%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 65,050	\$ 65,050	0	
78	555.63 DA Ramp Product	\$ (884)	\$ (176)	\$ 708	-80.14%	
79	555.64 RT Ramp Product	\$ (72)	\$ 67	\$ 139	-192.26%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 4,441	\$ (11,251)	-71.70%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 32,936	\$ 32,936	0	
88						
89	Total MISO Wholesale Market Charges	\$ 211,401	\$ 724,804	\$ 513,403	242.86%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 2	\$ (99)	-97.92%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ (4)	\$ (14)	-141.64%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ -	\$ (9)	-100.00%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ (1)	\$ (14)	-107.22%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ (1)	\$ (15)	-106.18%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ (0)	\$ (2)	-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (10,720)	\$ (483,885)	\$ (473,165)	4413.91%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (54,556)	\$ (43,342)	\$ 11,214	-20.55%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (17,730)	\$ (305,326)	\$ (287,596)	1622.07%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ -	\$ 9	-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$ -	\$ 0	\$ 0	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$ -	\$ 1	\$ 1	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 7	\$ (1)	\$ (8)	-112.72%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (0)	\$ (0)	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
121		Total SPP Wholesale Market Charges	\$ (82,862)	\$ (832,557)	\$ (749,695)	904.76%	
122							
123		MISO ASM					
124		Day Ahead Regulation Amount	\$ (46,509)	\$ (58,446)	\$ (11,937)	25.67%	
125		Real Time Regulation Amount	\$ 9,143	\$ (8,613)	\$ (17,756)	-194.21%	
126		Regulation Cost Distribution Amount	\$ 15,015	\$ 33,148	\$ 18,133	120.77%	
127		Day Ahead Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$ (14,101)	\$ (23,054)	\$ (8,953)	63.49%	
131		Real Time Spinning Reserve Amount	\$ 1,589	\$ 3,973	\$ 2,385	150.09%	
132		Spinning Reserve Cost Distribution Amount	\$ 12,694	\$ 29,568	\$ 16,874	132.93%	
133		Day Ahead Supplemental Reserve Amount	\$ (5,655)	\$ (120,739)	\$ (115,084)	2035.02%	
134		Real Time Supplemental Reserve Amount	\$ 4,122	\$ 13,258	\$ 9,136	221.65%	
135		Supplemental Reserve Cost Distribution Amount	\$ 3,346	\$ 38,129	\$ 34,782	1039.41%	
136		Contingency Reserve Deployment Failure Charge Amount	\$ 772	\$ -	\$ (772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,311	\$ 2,991	\$ 680	28.41%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$ 1,896	\$ (34)	\$ (1,930)	-101.78%	
140		Total MISO ASM	\$ (15,378)	\$ (89,820)	\$ (74,442)	484.06%	
141							
142		Total Wholesale Market Charges	\$ 113,161	\$ (197,573)	\$ (310,733)	-274.59%	
143							
144							
145		Purchased Power					
146			[PROTECTED DATA BEGINS...]				
147		Edgeley PPA					
148		Langdon PPA					
149		Ashtabula III PPA					
150		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance					
152		Shared Loads					
153		Small Co-gen					
154		Bilateral purchases					
155		Market Purchases					MISO and SPP Energy Only
156							
157		Total Purchases	\$ 5,216,126	\$ 9,124,667	\$ 3,908,542	74.93%	Tribal (WAPA) excluded from Total
158							
159		Wind Curtailment	\$ 5,479	\$ 5,615	\$ 136	2.48%	
160							
161		Asset Based Sales	\$ 283,027	\$ 2,944,125	\$ 2,661,098	940.23%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$ 198,892	\$ 1,048,149	\$ 849,256	426.99%	
163		Asset Based Margins	\$ 84,135	\$ 1,895,977	\$ 1,811,842	2153.50%	
164							
165		Total System - Plant Level	\$ 10,226,834	\$ 12,259,410	\$ 2,032,576	19.87%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

February 2021 Forecast to Actual - MWH					
Line	Plant Generation	February 2021 Forecast	February 2021 Actual	Notes	
		[PROTECTED DATA BEGINS...			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5				[PROTECTED DATA BEGINS...	
6	Total Coal	224,240	254,375		
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		[PROTECTED DATA BEGINS...			
13	Total Wind	83,492	62,262		
14					
15	Total Hydro	1,534	2,045		
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21		[PROTECTED DATA BEGINS...			
22	Total Oil - Peaking Units	-	1,970		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		[PROTECTED DATA BEGINS...			
27	Total Natural Gas	4,393	5,638		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		[PROTECTED DATA BEGINS...			
32	Total Solar	-	5		
33					
34	Total OTP-Owned	313,659	326,316		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555 RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS]		
157		Total Purchases	186,245	212,312	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	180	176	
160					
161		Asset Based Sales	8,787	31,597	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	491,297	507,207	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		February 2021 Forecast to Actual - \$ per MWh		Notes
Line	Plant Generation	February 2021 Forecast	February 2021 Actual	
1	Big Stone	(PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS		
6	Total Coal			
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	Fergus Control Center			
21		...PROTECTED DATA ENDS		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		(PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS		
27	Total Natural Gas	\$ 48.05	\$ 56.31	
28		(PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS		
32	Total Solar	\$ -	\$ -	
33				
34	Total OTP-Owned	\$ 70.18	\$ 77.78	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS		
157		Total Purchases	\$ 28.01	\$ 42.98	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 31.97	
160					
161		Asset Based Sales	\$ 32.21	\$ 93.18	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 20.82	\$ 24.17	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

March 2021 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	March 2021 Forecast	March 2021 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5					...PROTECTED DATA ENDS]	
6	Total Coal	\$ 5,437,445	\$ 3,477,985	\$ (1,959,460)	-36.04%	
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	Fergus Control Center					
21					...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	\$ -	\$ 5,305	\$ 5,305	0	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26					...PROTECTED DATA ENDS]	
27	Total Natural Gas	\$ 233,927	\$ 69,941	\$ (163,986)	-70.10%	
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	\$ 5,671,372	\$ 3,553,231	\$ (2,118,141)	-37.35%	
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	\$ (159,167)	\$ (189,918)	\$ (30,750)	19.32%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 432,858	\$ 652,549	\$ 219,690	50.75%	
45	RT Loss Amount	\$ 12,589	\$ (54,165)	\$ (66,754)	-530.27%	
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	\$ 70,412	\$ 56,325	\$ (14,086)	-20.01%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 6,227	\$ 7,856	\$ 1,629	26.16%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,792	\$ 2,076	\$ (716)	-25.65%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 208,574	\$ 1,941,921	\$ 1,733,346	831.04%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (10,676)	\$ (478,982)	\$ (468,306)	4386.40%	
57	555.14 FTR Hourly Allocation Amount	\$ (303,148)	\$ (2,050,486)	\$ (1,747,338)	576.40%	
58	555.15 FTR Monthly Allocation Amount	\$ (17,211)	\$ (113,928)	\$ (96,717)	561.94%	
59	555.17 FTR Yearly Allocation Amount	\$ (1,229)	\$ -	\$ 1,229	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (8,336)	\$ -	\$ 8,336	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 3,493	\$ (36,446)	\$ (39,939)	-1143.54%	
62	555.37 FTR Guarantee Uplift Amount	\$ (3,494)	\$ 36,446	\$ 39,940	-1143.16%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (394,989)	\$ (213,405)	117.52%	
64	555.38 FTR Annual Transaction Amount	\$ 181,557	\$ 394,978	\$ 213,421	117.55%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 552	\$ (3,658)	-86.90%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (22,796)	\$ (4,828)	26.87%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 10,148	\$ 9,544	\$ (604)	-5.95%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (0)	\$ (5,293)	\$ (5,293)	5881488.89%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 90,669	\$ 68,580	310.47%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (37,838)	\$ (25,341)	202.77%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 118,787	\$ 76,330	179.78%	
74	555.25 RT Misc Amount	\$ 18,176	\$ (325)	\$ (18,502)	-101.79%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ 463	\$ (772)	-62.48%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 42,933	\$ 42,933	0	
78	555.63 DA Ramp Product	\$ (636)	\$ (593)	\$ (43)	-7.56%	
79	555.64 RT Ramp Product	\$ 155	\$ 74	\$ (81)	-52.07%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 6,199	\$ (9,493)	-60.50%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 24,553	\$ 24,553	0	
88						
89	Total MISO Wholesale Market Charges	\$ 217,606	\$ (66,087)	\$ (283,693)	-130.37%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 21	\$ (80)	-79.48%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 23	\$ 14	142.60%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 3	\$ (6)	-69.15%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 7	\$ (6)	-47.09%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 4	\$ (10)	-68.47%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 0	\$ (2)	-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ (0)	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (10,394)	\$ (43,837)	\$ (33,442)	321.73%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ 2	\$ 3	-421.02%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ (0)	-22.35%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ (1)	-81.82%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ (0)	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ (0)	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (52,900)	\$ (169,588)	\$ (116,688)	220.58%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (17,192)	\$ (24,956)	\$ (7,764)	45.16%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ 58	\$ 67	-730.08%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	1	\$	1	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	5	\$	5	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	3	\$	(4)	-58.00%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
121		Total SPP Wholesale Market Charges	\$	(80,342)	\$	(238,254)	\$	(157,911)	196.55%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(49,082)	\$	(64,063)	\$	(14,981)	30.52%	
125		Real Time Regulation Amount	\$	8,075	\$	(2,617)	\$	(10,692)	-132.41%	
126		Regulation Cost Distribution Amount	\$	16,682	\$	20,798	\$	4,116	24.67%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(12,325)	\$	(30,406)	\$	(18,081)	146.70%	
131		Real Time Spinning Reserve Amount	\$	(1,051)	\$	9,665	\$	10,716	-1019.42%	
132		Spinning Reserve Cost Distribution Amount	\$	12,675	\$	17,662	\$	4,987	39.35%	
133		Day Ahead Supplemental Reserve Amount	\$	(7,115)	\$	(18,363)	\$	(11,248)	158.08%	
134		Real Time Supplemental Reserve Amount	\$	2,748	\$	4,422	\$	1,674	60.94%	
135		Supplemental Reserve Cost Distribution Amount	\$	3,402	\$	2,523	\$	(879)	-25.85%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	4,178	\$	1,867	80.77%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1,896	\$	1,357	\$	(539)	-28.44%	
140		Total MISO ASM	\$	(21,013)	\$	(54,845)	\$	(33,832)	161.00%	
141										
142		Total Wholesale Market Charges	\$	116,251	\$	(359,185)	\$	(475,436)	-408.98%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance								
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy Only
156										
157		Total Purchases	\$	3,688,239	\$	4,115,834	\$	427,594	11.59%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	7,319	\$	(3,759)	\$	(11,078)	-151.35%	
160										
161		Asset Based Sales	\$	271,527	\$	566,228	\$	294,700	108.53%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	197,266	\$	619,142	\$	421,876	213.86%	
163		Asset Based Margins	\$	74,261	\$	(52,914)	\$	(127,175)	-171.25%	
164										
165		Total System - Plant Level	\$	9,211,654	\$	6,739,893	\$	(2,471,761)	-26.83%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

Line	Plant Generation	March 2021 Forecast to Actual - MWH		Notes
		March 2021 Forecast	March 2021 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	259,958	153,813	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	83,549	88,127	
14				
15	Total Hydro	1,699	2,331	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	2	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	6,632	1,882	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	-	9	
33				
34	Total OTP-Owned	351,838	246,164	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	##### DA Asset Energy Amount***	N/A	N/A	
39	##### DA FBT Loss Amount	N/A	N/A	
40	##### DA Non-asset Energy Amount***	N/A	N/A	
41	##### RT Asset Energy Amount***	N/A	N/A	
42	##### RT Distribution of Losses Amount	N/A	N/A	
43	##### RT FBT Loss Amount	N/A	N/A	
44	##### DA Loss Amount	N/A	N/A	
45	##### RT Loss Amount	N/A	N/A	
46	##### RT Non-Asset Energy Amount***	N/A	N/A	
47	##### DA Losses Rebate on Option B GFA	N/A	N/A	
48	##### DA Virtual Energy Amount	N/A	N/A	
49	##### RT Virtual Energy Amount	N/A	N/A	
50	##### DA Mkt Admin Amount	N/A	N/A	
51	##### RT Mkt Admin Amount	N/A	N/A	
52	##### FTR Mkt Admin Amount	N/A	N/A	
53	##### DA FBT Congestion Amount	N/A	N/A	
54	##### DA Congestion	N/A	N/A	
55	##### RT FBT Congestion Amount	N/A	N/A	
56	##### RT Congestion	N/A	N/A	
57	##### FTR Hourly Allocation Amount	N/A	N/A	
58	##### FTR Monthly Allocation Amount	N/A	N/A	
59	##### FTR Yearly Allocation Amount	N/A	N/A	
60	555.3 FTR Monthly Transaction Amount	N/A	N/A	
61	##### FTR Full Funding Guarantee Amount	N/A	N/A	
62	##### FTR Guarantee Uplift Amount	N/A	N/A	
63	555.3 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.3 FTR Annual Transaction Amount	N/A	N/A	
65	555.4 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.4 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	##### DA Congestion Rebate on Option B GFA	N/A	N/A	
68	##### DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	##### DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	##### RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	##### RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	##### RT Price Volatility Make Whole Payment	N/A	N/A	
73	##### RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	##### RT Misc Amount	N/A	N/A	
75	##### RT Net Inadvertent Amount	N/A	N/A	
76	##### RT Uninstructed Deviation Amount	N/A	N/A	
77	555.3 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.8 DA Ramp Product	N/A	N/A	
79	555.6 RT Ramp Product	N/A	N/A	
80	555.6 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.5 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.5 RT ASM Excessive Energy Amount***	N/A	N/A	
83	##### DA Congestion Rebate on COGA	N/A	N/A	
84	##### DA Losses Rebate on COGA	N/A	N/A	
85	##### RT Congestion Rebate on COGA	N/A	N/A	
86	##### RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	##### DA Asset Energy Amount***	N/A	N/A	
93	##### DA Non-asset Energy Amount	N/A	N/A	
94	##### RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	##### DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	##### RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	##### RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	##### RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	##### DA Regulation-Down Distribution Amount	N/A	N/A	
101	##### DA Regulation-Up Distribution Amount	N/A	N/A	
102	##### DA Spinning Reserve Distribution Amount	N/A	N/A	
103	##### DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	##### RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	##### RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	##### RT Regulation-Down Distribution Amount	N/A	N/A	
107	##### RT Regulation-Non-Performance Distribution Amount	N/A	N/A	
108	##### RT Regulation-Up Distribution Amount	N/A	N/A	
109	##### RT Spinning Reserve Distribution Amount	N/A	N/A	
110	##### RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	##### RT Pseudo Tie Congestion Amount	N/A	N/A	
112	##### RT Pseudo Tie Loss Amount	N/A	N/A	
113	##### Miscellaneous Amount	N/A	N/A	
114	##### ARR Closeout Yearly Amount	N/A	N/A	
115	##### RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS)		
157		Total Purchases	133,355	168,331	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	241	(118)	
160					
161		Asset Based Sales	9,273	30,875	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	476,161	383,502	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		March 2021 Forecast to Actual - \$ per MWh				
		March 2021 Forecast	March 2021 Actual			
Line	Plant Generation	[PROTECTED DATA BEGINS...				Notes
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5		...PROTECTED DATA ENDS]				
6	Total Coal	\$ 20.92	\$ 22.61			
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 BEGINS...				
15	Total Hydro	\$ -	\$ -			
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21		...PROTECTED DATA ENDS]				
22	Total Oil - Peaking Units	\$ -	\$ -			
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26		...PROTECTED DATA ENDS]				
27	Total Natural Gas					
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31		...PROTECTED DATA ENDS]				
32	Total Solar	\$ -	\$ -			
33		[PROTECTED DATA BEGINS...				
34	Total OTP-Owned	\$ 56.19	\$ 59.77			
35		[PROTECTED DATA BEGINS...				
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***		N/A	N/A		
39	555.04 DA FBT Loss Amount		N/A	N/A		
40	555.09 DA Non-asset Energy Amount***		N/A	N/A		
41	555.19 RT Asset Energy Amount***		N/A	N/A		
42	555.24 RT Distribution of Losses Amount		N/A	N/A		
43	555.21 RT FBT Loss Amount		N/A	N/A		
44	DA Loss Amount		N/A	N/A		
45	RT Loss Amount		N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A		
48	555.12 DA Virtual Energy Amount		N/A	N/A		
49	555.32 RT Virtual Energy Amount		N/A	N/A		
50	555.01 DA Mkt Admin Amount		N/A	N/A		
51	555.18 RT Mkt Admin Amount		N/A	N/A		
52	555.13 FTR Mkt Admin Amount		N/A	N/A		
53	555.03 DA FBT Congestion Amount		N/A	N/A		
54	DA Congestion		N/A	N/A		
55	555.2 RT FBT Congestion Amount		N/A	N/A		
56	RT Congestion		N/A	N/A		
57	555.14 FTR Hourly Allocation Amount		N/A	N/A		
58	555.15 FTR Monthly Allocation Amount		N/A	N/A		
59	555.17 FTR Yearly Allocation Amount		N/A	N/A		
60	555.35 FTR Monthly Transaction Amount		N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A		
64	555.38 FTR Annual Transaction Amount		N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A		
74	555.25 RT Misc Amount		N/A	N/A		
75	555.27 RT Net Inadvertent Amount		N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A		
78	555.63 DA Ramp Product		N/A	N/A		
79	555.64 RT Ramp Product		N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A		
83	555.05 DA Congestion Rebate on COGA		N/A	N/A		
84	555.06 DA Losses Rebate on COGA		N/A	N/A		
85	555.22 RT Congestion Rebate on COGA		N/A	N/A		
86	555.23 RT Loss Rebate on COGA		N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedul		N/A	N/A		
88						
89	Total MISO Wholesale Market Charges					
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***		N/A	N/A		
93	555.03 DA Non-asset Energy Amount		N/A	N/A		
94	555.09 RT Asset Energy Amount***		N/A	N/A		
95	555. RT Non-Asset Energy Amount		N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount		N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount		N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount		N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount		N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount		N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount		N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount		N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount		N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount		N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount		N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount		N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount		N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount		N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount		N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount		N/A	N/A		
113	555.23 Miscellaneous Amount		N/A	N/A		
114	555.26 ARR Closeout Yearly Amount		N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount		N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...]		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 27.66	\$ 24.45	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 31.83	
160					
161		Asset Based Sales	\$ 29.28	\$ 18.34	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 19.35	\$ 17.57	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

April 2021 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	April 2021 Forecast	April 2021 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6	Total Coal	\$ 3,264,677	\$ 2,509,601	\$ (755,076)	-23.13%	...PROTECTED DATA ENDS]
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	Fergus Control Center					
21						...PROTECTED DATA ENDS]
22	Total Oil - Peaking Units	\$ -	\$ 10,377	\$ 10,377	0	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26						...PROTECTED DATA ENDS]
27	Total Natural Gas	\$ 489,447	\$ 150,723	\$ (338,724)	-69.21%	
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	\$ 3,754,125	\$ 2,670,701	\$ (1,083,423)	-28.86%	
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	\$ (139,683)	\$ (110,687)	\$ 28,997	-20.76%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 379,872	\$ 326,421	\$ (53,451)	-14.07%	
45	RT Loss Amount	\$ 11,048	\$ 26,192	\$ 15,144	137.08%	
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	\$ 70,425	\$ 56,407	\$ (14,019)	-19.91%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 8,219	\$ 9,247	\$ 1,028	12.51%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 3,068	\$ 2,386	\$ (682)	-22.21%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 183,042	\$ 1,151,194	\$ 968,152	528.92%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (9,369)	\$ 403,954	\$ 413,324	-4411.42%	
57	555.14 FTR Hourly Allocation Amount	\$ (266,039)	\$ (2,803,207)	\$ (2,537,168)	953.68%	
58	555.15 FTR Monthly Allocation Amount	\$ (15,105)	\$ (60,239)	\$ (45,134)	298.81%	
59	555.17 FTR Yearly Allocation Amount	\$ (1,078)	\$ -	\$ 1,078	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (7,315)	\$ -	\$ 7,315	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (3,615)	\$ (107,776)	\$ (104,161)	2881.48%	
62	555.37 FTR Guarantee Uplift Amount	\$ 3,899	\$ 106,335	\$ 102,436	2627.21%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (394,989)	\$ (213,405)	117.52%	
64	555.38 FTR Annual Transaction Amount	\$ 181,557	\$ 394,978	\$ 213,421	117.55%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 552	\$ (3,658)	-86.90%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (22,796)	\$ (4,828)	26.87%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 9,212	\$ 8,080	\$ (1,132)	-12.28%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (5,324)	\$ (5,730)	\$ (406)	7.63%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ (7,753)	\$ (29,842)	-135.10%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (82,765)	\$ (70,267)	562.26%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 102,621	\$ 60,164	141.71%	
74	555.25 RT Misc Amount	\$ 18,176	\$ 853	\$ (17,323)	-95.31%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ 37	\$ (1,198)	-96.97%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 2,759	\$ 2,759	0	
78	555.63 DA Ramp Product	\$ (493)	\$ (1,427)	\$ (933)	189.23%	
79	555.64 RT Ramp Product	\$ (101)	\$ (326)	\$ (225)	222.24%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 6,679	\$ (9,013)	-57.44%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 161,699	\$ 161,699	0	
88						
89	Total MISO Wholesale Market Charges	\$ 192,635	\$ (905,338)	\$ (1,097,973)	-569.96%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 62	\$ (39)	-38.40%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ (5)	\$ (15)	-157.12%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 6	\$ (3)	-34.28%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 32	\$ 20	152.07%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 12	\$ (2)	-13.80%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 1	\$ (1)	-47.42%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ -	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (9,122)	\$ (11,176)	\$ (2,054)	22.51%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ 3	\$ 3	-650.32%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (1)	\$ (1)	370.59%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ 0	\$ 1	-152.89%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (46,424)	\$ (156,645)	\$ (110,221)	237.42%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (15,087)	\$ (7,133)	\$ 7,954	-52.72%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ -	\$ 9	-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$ -	\$ 2	\$ 2	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$ -	\$ 11	\$ 11	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 7	\$ 6	\$ (1)	-13.33%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (0)	\$ (0)	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
121		Total SPP Wholesale Market Charges	\$ (70,490)	\$ (174,824)	\$ (104,335)	148.01%	
122							
123		MISO ASM					
124		Day Ahead Regulation Amount	\$ (52,128)	\$ (28,417)	\$ 23,711	-45.49%	
125		Real Time Regulation Amount	\$ 8,603	\$ 2,607	\$ (5,996)	-69.70%	
126		Regulation Cost Distribution Amount	\$ 14,681	\$ 18,232	\$ 3,551	24.19%	
127		Day Ahead Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$ (14,598)	\$ (36,152)	\$ (21,553)	147.64%	
131		Real Time Spinning Reserve Amount	\$ 239	\$ 16,204	\$ 15,965	6686.80%	
132		Spinning Reserve Cost Distribution Amount	\$ 12,845	\$ 18,625	\$ 5,780	45.00%	
133		Day Ahead Supplemental Reserve Amount	\$ (4,665)	\$ (18,486)	\$ (13,821)	296.26%	
134		Real Time Supplemental Reserve Amount	\$ 1,564	\$ 13,325	\$ 11,761	751.98%	
135		Supplemental Reserve Cost Distribution Amount	\$ 1,994	\$ 2,869	\$ 875	43.89%	
136		Contingency Reserve Deployment Failure Charge Amount	\$ 772	\$ 573	\$ (199)	-26.75%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,311	\$ 2,274	\$ (38)	-1.63%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$ 1,896	\$ 5,010	\$ 3,114	164.23%	
140		Total MISO ASM	\$ (26,488)	\$ (3,338)	\$ 23,150	-87.40%	
141							
142		Total Wholesale Market Charges	\$ 95,657	\$ (1,083,500)	\$ (1,179,157)	-1232.69%	
143							
144							
145		Purchased Power					
146			[PROTECTED DATA BEGINS...]				
147		Edgeley PPA					
148		Langdon PPA					
149		Ashtabula III PPA					
150		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance					
152		Shared Loads					
153		Small Co-gen					
154		Bilateral purchases					
155		Market Purchases					MISO and SPP Energy Only
156					...PROTECTED DATA ENDS]		
157		Total Purchases	\$ 4,117,608	\$ 3,969,849	\$ (147,759)	-3.59%	Tribal (WAPA) excluded from Total
158							
159		Wind Curtailment	\$ 14,697	\$ 170,057	\$ 155,360	1057.10%	
160							
161		Asset Based Sales	\$ 519,968	\$ 194,851	\$ (325,117)	-62.53%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$ 357,933	\$ 306,326	\$ (51,607)	-14.42%	
163		Asset Based Margins	\$ 162,035	\$ (111,476)	\$ (273,511)	-168.80%	
164							
165		Total System - Plant Level	\$ 7,462,119	\$ 5,532,257	\$ (1,929,862)	-25.86%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

April 2021 Forecast to Actual - MWH					
Line	Plant Generation	April 2021 Forecast	April 2021 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		[PROTECTED DATA ENDS]			
6	Total Coal	147,055	92,607		
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		[PROTECTED DATA ENDS]			
13	Total Wind	98,973	96,157		
14					
15	Total Hydro	1,644	2,054		
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21		[PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	-	3		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		[PROTECTED DATA ENDS]			
27	Total Natural Gas	20,498	5,033		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		[PROTECTED DATA ENDS]			
32	Total Solar	-	6		
33					
34	Total OTP-Owned	268,170	195,859		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555 RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS		
157		Total Purchases	165,225	189,107	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	483	5,424	
160					
161		Asset Based Sales	15,975	17,949	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	417,903	372,440	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

April 2021 Forecast to Actual - \$ per MWh					
Line	Plant Generation	April 2021 Forecast	April 2021 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	\$ 22.20	\$ 27.10		
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	Fergus Control Center				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	\$ -	\$ -		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	\$ 23.88	\$ 29.95		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		...PROTECTED DATA ENDS]			
32	Total Solar	\$ -	\$ -		
33					
34	Total OTP-Owned	\$ 46.08	\$ 57.05		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555. RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...]		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 24.92	\$ 20.99	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 31.35	
160					
161		Asset Based Sales	\$ 32.55	\$ 10.86	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 17.86	\$ 14.85	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

May 2021 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	May 2021 Forecast	May 2021 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 2,547,244	\$ 3,034,080	\$ 486,836	19.11%	
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	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	\$ -	0	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 365,776	\$ 997,815	\$ 632,039	172.79%	
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	\$ 2,913,020	\$ 4,031,895	\$ 1,118,875	38.41%	
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	\$ (123,098)	\$ (92,263)	\$ 36,835	-28.53%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 351,084	\$ 311,084	\$ (39,999)	-11.39%	
45	RT Loss Amount	\$ 10,210	\$ (14,658)	\$ (24,868)	-243.56%	
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	\$ 60,324	\$ 51,350	\$ (8,973)	-14.88%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 6,642	\$ 7,187	\$ 545	8.21%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,486	\$ 1,920	\$ (566)	-22.78%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	555.20 DA Congestion	\$ 169,171	\$ 1,497,594	\$ 1,328,423	785.25%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (8,659)	\$ 47,496	\$ 56,155	-648.49%	
57	555.14 FTR Hourly Allocation Amount	\$ (245,878)	\$ (2,925,332)	\$ (2,679,454)	1089.75%	
58	555.15 FTR Monthly Allocation Amount	\$ (13,960)	\$ (181,954)	\$ (167,994)	1203.41%	
59	555.17 FTR Yearly Allocation Amount	\$ (996)	\$ -	\$ 996	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (6,761)	\$ -	\$ 6,761	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (9,858)	\$ 56,583	\$ 66,441	-673.99%	
62	555.37 FTR Guarantee Uplift Amount	\$ 9,199	\$ (57,268)	\$ (66,468)	-722.54%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (394,989)	\$ (213,405)	117.52%	
64	555.38 FTR Annual Transaction Amount	\$ 181,557	\$ 394,978	\$ 213,421	117.55%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 552	\$ (3,658)	-86.90%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (22,796)	\$ (4,828)	26.87%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 7,608	\$ 11,574	\$ 3,966	52.12%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (900)	\$ (5,948)	\$ (5,047)	560.61%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 26,509	\$ 4,420	20.01%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (76,438)	\$ (63,941)	511.64%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 104,842	\$ 62,385	146.94%	
74	555.25 RT Misc Amount	\$ 18,176	\$ 15	\$ (18,162)	-99.92%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ (2,418)	\$ (3,653)	-295.78%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 4,871	\$ 4,871	0	
78	555.63 DA Ramp Product	\$ (366)	\$ (444)	\$ (78)	21.50%	
79	555.64 RT Ramp Product	\$ 21	\$ 63	\$ 42	195.95%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 7,311	\$ (8,380)	-53.41%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 136,230	\$ 136,230	0	
88						
89	Total MISO Wholesale Market Charges	\$ 184,504	\$ (1,174,807)	\$ (1,359,311)	-736.74%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 25	\$ (76)	-75.70%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 12	\$ 2	21.98%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 2	\$ (7)	-80.55%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 6	\$ (7)	-57.02%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 8	\$ (6)	-45.75%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 1	\$ (1)	-50.93%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (0)	\$ 0	-63.21%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (8,431)	\$ (4,802)	\$ 3,629	-43.04%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ 0	\$ 1	-121.02%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 0	-175.29%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (4)	\$ (4)	602.48%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (17)	\$ (17)	261050.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (7)	\$ (7)	131161.54%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (42,906)	\$ 613	\$ 43,519	-101.43%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (13,944)	\$ (5,442)	\$ 8,502	-60.97%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ (6)	\$ 3	-30.92%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	1	\$	1	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	4	\$	4	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	-	\$	(7)	-100.00%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	5	\$	5	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	(0)	\$	(0)	0	
121		Total SPP Wholesale Market Charges	\$	(65,137)	\$	(9,604)	\$	55,533	-85.26%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(27,414)	\$	(6,509)	\$	20,905	-76.26%	
125		Real Time Regulation Amount	\$	7,030	\$	(11,818)	\$	(18,848)	-268.09%	
126		Regulation Cost Distribution Amount	\$	14,103	\$	16,673	\$	2,571	18.23%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(15,402)	\$	(37,242)	\$	(21,840)	141.80%	
131		Real Time Spinning Reserve Amount	\$	2,884	\$	7,503	\$	4,620	160.20%	
132		Spinning Reserve Cost Distribution Amount	\$	13,168	\$	18,604	\$	5,436	41.28%	
133		Day Ahead Supplemental Reserve Amount	\$	(5,572)	\$	(28,850)	\$	(23,278)	417.74%	
134		Real Time Supplemental Reserve Amount	\$	1,415	\$	7,882	\$	6,468	457.25%	
135		Supplemental Reserve Cost Distribution Amount	\$	2,558	\$	3,169	\$	611	23.89%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	2,093	\$	(219)	-9.46%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1,896	\$	(477)	\$	(2,373)	-125.17%	
140		Total MISO ASM	\$	(2,253)	\$	(28,972)	\$	(26,719)	1185.94%	
141										
142		Total Wholesale Market Charges	\$	117,114	\$	(1,213,383)	\$	(1,330,497)	-1136.07%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance								
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy Only
156										
157		Total Purchases	\$	4,474,129	\$	4,467,692	\$	(6,438)	-0.14%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	19,220	\$	(53,034)	\$	(72,254)	-375.93%	
160										
161		Asset Based Sales	\$	524,432	\$	756,290	\$	231,859	44.21%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	323,086	\$	672,934	\$	349,848	108.28%	
163		Asset Based Margins	\$	201,346	\$	83,356	\$	(117,990)	-58.60%	
164										
165		Total System - Plant Level	\$	6,999,051	\$	6,476,879	\$	(522,172)	-7.46%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

May 2021 Forecast to Actual - MWh					
Line	Plant Generation	May 2021 Forecast	May 2021 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		[PROTECTED DATA ENDS]			
6	Total Coal	106,067	122,264		
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		[PROTECTED DATA ENDS]			
13	Total Wind	73,389	88,431		
14					
15	Total Hydro	1,699	2,103		
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21		[PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	-	-		
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		[PROTECTED DATA ENDS]			
27	Total Natural Gas	15,198	30,520		
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		[PROTECTED DATA ENDS]			
32	Total Solar	-	24		
33					
34	Total OTP-Owned	196,353	243,341		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555 RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS		
157		Total Purchases	202,628	193,183	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	632	(1,597)	
160					
161		Asset Based Sales	13,450	31,234	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	386,163	403,694	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		May 2021 Forecast to Actual - \$ per MWh		Notes
		May 2021 Forecast	May 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	\$ 24.02	\$ 24.82	
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 BEGINS...]		
15	Total Hydro	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 24.07	\$ 32.69	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...]		
34	Total OTP-Owned	\$ 48.08	\$ 57.51	
35		[PROTECTED DATA BEGINS...]		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555. RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...]		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 22.08	\$ 23.13	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 33.21	
160					
161		Asset Based Sales	\$ 38.99	\$ 24.21	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 18.12	\$ 16.04	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		June 2021 Forecast to Actual - Expense (Revenue)				Notes
Line	Plant Generation	June 2021 Forecast	June 2021 Actual			
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 1,987,622	\$ 3,682,692	\$ 1,695,070	85.28%	
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	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ 210,575	\$ 210,575	0	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 266,721	\$ 1,567,816	\$ 1,301,095	487.81%	
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	\$ 2,254,344	\$ 5,461,083	\$ 3,206,739	142.25%	
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	\$ (125,181)	\$ (230,881)	\$ (105,700)	84.44%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 340,432	\$ 779,210	\$ 438,777	128.89%	
45	RT Loss Amount	\$ 9,901	\$ (28,972)	\$ (38,873)	-392.63%	
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	\$ 56,248	\$ 60,890	\$ 4,642	8.25%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 7,657	\$ 8,215	\$ 559	7.30%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,794	\$ 2,272	\$ (482)	-17.43%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA Congestion	\$ -	\$ -	\$ -	0	
54	555.20 RT FBT Congestion Amount	\$ 164,039	\$ 3,120,199	\$ 2,956,160	1802.11%	
55	RT Congestion	\$ -	\$ -	\$ -	0	
56	555.14 FTR Hourly Allocation Amount	\$ (8,397)	\$ 459,191	\$ 467,588	-5568.74%	
57	555.15 FTR Monthly Allocation Amount	\$ (238,418)	\$ (5,177,026)	\$ (4,938,608)	2071.40%	
58	555.17 FTR Yearly Allocation Amount	\$ (13,536)	\$ (111,217)	\$ (97,680)	721.62%	
59	555.35 FTR Monthly Transaction Amount	\$ (966)	\$ -	\$ 966	-100.00%	
60	555.36 FTR Full Funding Guarantee Amount	\$ (6,556)	\$ -	\$ 6,556	-100.00%	
61	555.37 FTR Guarantee Uplift Amount	\$ (32,257)	\$ (25,417)	\$ 6,839	-21.20%	
62	555.39 FTR Auction Revenue Rights Transaction Amount	\$ 32,660	\$ 25,021	\$ (7,640)	-23.39%	
63	FTR Annual Transaction Amount	\$ (258,085)	\$ (2,293,476)	\$ (2,035,391)	788.65%	
64	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 257,988	\$ 2,275,443	\$ 2,017,454	781.99%	
65	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 1,946	\$ 17,240	\$ 15,294	786.12%	
66	555.07 DA Congestion Rebate on Option B GFA	\$ (34,936)	\$ (70,355)	\$ (35,419)	101.38%	
67	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
68	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 4,989	\$ 7,223	\$ 2,233	44.76%	
69	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (13,790)	\$ (9,509)	\$ 4,281	-31.04%	
70	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 22,089	\$ 79,528	\$ 57,439	260.03%	
71	555.42 RT Price Volatility Make Whole Payment	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.28 RT Revenue Neutrality Uplift Amount	\$ (12,497)	\$ (61,774)	\$ (49,277)	394.30%	
73	555.25 RT Misc Amount	\$ 42,457	\$ 120,158	\$ 77,701	183.01%	
74	555.27 RT Net Inadvertent Amount	\$ 18,176	\$ 866	\$ (17,310)	-95.23%	
75	555.31 RT Uninstructed Deviation Amount	\$ 1,235	\$ (655)	\$ (1,890)	-153.03%	
76	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 13,993	\$ 13,993	0	
77	555.63 DA Ramp Product	\$ (723)	\$ (2,744)	\$ (2,022)	279.70%	
78	555.64 RT Ramp Product	\$ (1)	\$ 131	\$ 174	-422.93%	
79	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 8,855	\$ (6,837)	-43.57%	
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 Schedul	\$ -	\$ 284,738	\$ 284,738	0	
87						
88	Total MISO Wholesale Market Charges	\$ 146,541	\$ (820,232)	\$ (966,773)	-659.73%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89						
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 25	\$ (76)	-75.01%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 5	\$ (4)	-44.97%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 1	\$ (8)	-89.61%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 2	\$ (11)	-83.40%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 0	\$ (14)	-97.94%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 0	\$ (2)	-96.57%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (8,175)	\$ (314,084)	\$ (305,909)	3742.00%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ 0	\$ 1	-111.46%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-52.94%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ 2	\$ 2	-405.79%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ 9	\$ 9	-130300.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 4	\$ 4	-65823.08%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (41,604)	\$ (95,518)	\$ (53,914)	129.59%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (13,521)	\$ (12,444)	\$ 1,077	-7.97%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ 1	\$ 10	-112.08%	
114	555.26 ARR Closeout Yearly Amount	\$ (90,194)	\$ (83,245)	\$ 6,949	-7.70%	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$ -	\$ 0	\$ 0	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$ -	\$ 2	\$ 2	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 7	\$ 1	\$ (6)	-88.61%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ -	\$ -	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ (52)	\$ (52)	0	
121		Total SPP Wholesale Market Charges	\$ (153,351)	\$ (505,291)	\$ (351,940)	229.50%	
122							
123		MISO ASM					
124		Day Ahead Regulation Amount	\$ (40,100)	\$ (47,330)	\$ (7,230)	18.03%	
125		Real Time Regulation Amount	\$ 7,100	\$ (4,796)	\$ (11,896)	-167.56%	
126		Regulation Cost Distribution Amount	\$ 11,117	\$ 19,020	\$ 7,903	71.10%	
127		Day Ahead Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$ (10,874)	\$ (104,344)	\$ (93,470)	859.59%	
131		Real Time Spinning Reserve Amount	\$ 2,628	\$ 39,654	\$ 37,026	1408.82%	
132		Spinning Reserve Cost Distribution Amount	\$ 9,154	\$ 19,493	\$ 10,339	112.94%	
133		Day Ahead Supplemental Reserve Amount	\$ (5,583)	\$ (74,627)	\$ (69,044)	1236.75%	
134		Real Time Supplemental Reserve Amount	\$ 2,022	\$ 19,226	\$ 17,204	850.73%	
135		Supplemental Reserve Cost Distribution Amount	\$ 1,501	\$ 8,101	\$ 6,601	433.80%	
136		Contingency Reserve Deployment Failure Charge Amount	\$ 772	\$ -	\$ (772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,311	\$ 1,413	\$ (898)	-38.88%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$ 1,896	\$ 4,486	\$ 2,590	136.59%	
140		Total MISO ASM	\$ (18,057)	\$ (119,705)	\$ (101,649)	562.94%	
141							
142		Total Wholesale Market Charges	\$ (24,866)	\$ (1,445,228)	\$ (1,420,362)	5711.99%	
143							
144							
145		Purchased Power					
146							
147		Edgeley PPA					
148		Langdon PPA					
149		Ashtabula III PPA					
150		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance					
152		Shared Loads					
153		Small Co-gen					
154		Bilateral purchases					
155		Market Purchases					MISO and SPP Energy Only
156							
157		Total Purchases	\$ 4,986,834	\$ 4,862,631	\$ (124,203)	-2.49%	Tribal (WAPA) excluded from Total
158							
159		Wind Curtailment	\$ 6,152	\$ 17,113	\$ 10,962	178.18%	
160							
161		Asset Based Sales	\$ 155,763	\$ 1,789,901	\$ 1,634,138	1049.12%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$ 115,771	\$ 1,298,661	\$ 1,182,890	1021.75%	
163		Asset Based Margins	\$ 39,992	\$ 491,240	\$ 451,248	1128.35%	
164							
165		Total System - Plant Level	\$ 7,066,700	\$ 7,105,698	\$ 38,998	0.55%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		June 2021 Forecast to Actual - MWh		
		June 2021 Forecast	June 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		Notes
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	73,560	166,069	
7		[PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	61,397	54,584	
14				
15	Total Hydro	1,644	1,810	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	583	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	10,373	44,263	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	-	12	
33				
34	Total OTP-Owned	146,974	267,321	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS		
157		Total Purchases	231,169	172,687	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	202	452	
160					
161		Asset Based Sales	4,310	54,567	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	374,035	385,892	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

June 2021 Forecast to Actual - \$ per MWh					
Line	Plant Generation	June 2021 Forecast	June 2021 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	\$ 27.02	\$ 22.18		
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	Fergus Control Center				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	\$ -	\$ -		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	\$ 25.71	\$ 35.42		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		...PROTECTED DATA ENDS]			
32	Total Solar	\$ -	\$ -		
33					
34	Total OTP-Owned	\$ 52.73	\$ 57.60		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555. RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...]		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 21.57	\$ 28.16	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 37.87	
160					
161		Asset Based Sales	\$ 36.14	\$ 32.80	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 18.89	\$ 18.41	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

July 2021 Forecast to Actual - Expense (Revenue)						
		July 2021 Forecast	July 2021 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 4,504,396	\$ 4,606,494	\$ 102,098	2.27%
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	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ -	\$ 109,788	\$ 109,788	0
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26						
27		Total Natural Gas	\$ 715,640	\$ 2,663,286	\$ 1,947,646	272.15%
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0
33						
34		Total OTP-Owned	\$ 5,220,036	\$ 7,379,568	\$ 2,159,532	41.37%
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	\$ (132,779)	\$ (273,859)	\$ (141,079)		106.25%
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0
44	DA Loss Amount	\$ 361,095	\$ 827,191	\$ 466,097		129.08%
45	RT Loss Amount	\$ 10,502	\$ (26,354)	\$ (36,856)		-350.96%
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	\$ 60,067	\$ 48,585	\$ (11,482)		-19.12% Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 7,981	\$ 7,394	\$ (587)		-7.35% Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 2,921	\$ 2,430	\$ (491)		-16.80% Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	\$ -	0
54	DA Congestion	\$ 173,995	\$ 1,825,696	\$ 1,651,701		949.28%
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	\$ -	0
56	RT Congestion	\$ (8,906)	\$ 278,691	\$ 287,597		-3229.15%
57	555.14 FTR Hourly Allocation Amount	\$ (252,889)	\$ (2,136,164)	\$ (1,883,275)		744.70%
58	555.15 FTR Monthly Allocation Amount	\$ (14,358)	\$ (114,466)	\$ (100,108)		697.23%
59	555.17 FTR Yearly Allocation Amount	\$ (1,025)	\$ -	\$ 1,025		-100.00%
60	555.35 FTR Monthly Transaction Amount	\$ (6,954)	\$ -	\$ 6,954		-100.00%
61	555.36 FTR Full Funding Guarantee Amount	\$ (38,473)	\$ 102,286	\$ 140,759		-365.87%
62	555.37 FTR Guarantee Uplift Amount	\$ 35,888	\$ (102,286)	\$ (138,174)		-385.02%
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (258,085)	\$ (2,293,476)	\$ (2,035,391)		788.65%
64	555.38 FTR Annual Transaction Amount	\$ 257,988	\$ 2,275,443	\$ 2,017,454		781.99%
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 1,945	\$ 17,240	\$ 15,295		786.44%
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (35,020)	\$ (70,355)	\$ (35,335)		100.90%
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	\$ -	0
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 6,567	\$ 7,795	\$ 1,228		18.70%
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (3,792)	\$ (140)	\$ 3,652		-96.30%
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 152,347	\$ 130,258		589.70%
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681		-100.00%
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (30,347)	\$ (17,850)		142.83%
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ -	\$ (42,457)		-100.00%
74	555.25 RT Misc Amount	\$ 18,176	\$ (668)	\$ (18,845)		-103.68%
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ (8,038)	\$ (9,273)		-750.88%
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ 40,003	\$ 40,003		0
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 19,477	\$ 19,477		0
78	555.63 DA Ramp Product	\$ (3,878)	\$ (560)	\$ 3,319		-85.57%
79	555.64 RT Ramp Product	\$ (100)	\$ (975)	\$ (875)		874.54%
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 8,703	\$ (6,988)		-44.54%
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	\$ -	0
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	\$ -	0
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	\$ -	0
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	\$ -	0
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	\$ -	0
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	\$ -	0
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	\$ -	\$ (37)	\$ (37)		0
88						
89		Total MISO Wholesale Market Charges	\$ 159,191	\$ 497,147	\$ 337,956	212.30% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	\$ -	0
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	\$ -	0 Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	\$ -	0
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	\$ -	0
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 17	\$ (84)		-82.78%
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	\$ -	0
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 0	\$ (9)		-94.87%
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 0	\$ (9)		-98.88%
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 1	\$ (12)		-92.47%
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 2	\$ (12)		-86.79%
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 0	\$ (1)		-77.14%
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0		-100.00%
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (8,671)	\$ (9,621)	\$ (950)		10.95%
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ (0)	\$ 1		-98.09%
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0		-24.71%
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1		-88.43%
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%
111	555.20 RT Pseudo Tie Congestion Amount	\$ (44,130)	\$ (54,325)	\$ (10,195)		23.10%
112	555.21 RT Pseudo Tie Loss Amount	\$ (14,342)	\$ (12,350)	\$ 1,991		-13.89%
113	555.23 Miscellaneous Amount	\$ (9)	\$ 3	\$ 12		-127.30%
114	555.26 ARR Closedout Yearly Amount	\$ -	\$ -	\$ -	\$ -	0
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	\$ -	0

116	555.29	RT Schedule 1A3 Amount	\$ -	\$ 0	\$ 0	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$ -	\$ 1	\$ 1	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 7	\$ 0	\$ (7)	-96.89%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (0)	\$ (0)	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ 0	\$ 0	0	
121		Total SPP Wholesale Market Charges	\$ (66,999)	\$ (76,272)	\$ (9,273)	13.84%	
122							
123		MISO ASM					
124		Day Ahead Regulation Amount	\$ (76,547)	\$ (50,947)	\$ 25,601	-33.44%	
125		Real Time Regulation Amount	\$ 24,984	\$ 9,265	\$ (15,719)	-62.92%	
126		Regulation Cost Distribution Amount	\$ 11,980	\$ 16,788	\$ 4,808	40.13%	
127		Day Ahead Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$ (32,058)	\$ (37,369)	\$ (5,311)	16.57%	
131		Real Time Spinning Reserve Amount	\$ 4,324	\$ 11,415	\$ 7,091	163.98%	
132		Spinning Reserve Cost Distribution Amount	\$ 11,405	\$ 19,208	\$ 7,803	68.42%	
133		Day Ahead Supplemental Reserve Amount	\$ (10,290)	\$ (41,054)	\$ (30,764)	298.98%	
134		Real Time Supplemental Reserve Amount	\$ 3,635	\$ 14,796	\$ 11,160	306.99%	
135		Supplemental Reserve Cost Distribution Amount	\$ 3,121	\$ 4,924	\$ 1,803	57.79%	
136		Contingency Reserve Deployment Failure Charge Amount	\$ 772	\$ -	\$ (772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,311	\$ 5,491	\$ 3,179	137.56%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$ 1,896	\$ 556	\$ (1,340)	-70.67%	
140		Total MISO ASM	\$ (54,467)	\$ (46,927)	\$ 7,540	-13.84%	
141							
142		Total Wholesale Market Charges	\$ 37,725	\$ 373,948	\$ 336,223	891.25%	
143							
144							
145		Purchased Power					
146			[PROTECTED DATA BEGINS...]				
147		Edgeley PPA					
148		Langdon PPA					
149		Ashtabula III PPA					
150		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance					
152		Shared Loads					
153		Small Co-gen					
154		Bilateral purchases					
155		Market Purchases					MISO and SPP Energy Only
156							
157		Total Purchases	\$ 2,792,820	\$ 3,105,809	\$ 312,988	11.21%	Tribal (WAPA) excluded from Total
158							
159		Wind Curtailment	\$ (2,875)	\$ 64,620	\$ 67,495	-2347.86%	
160							
161		Asset Based Sales	\$ 468,628	\$ 2,450,652	\$ 1,982,025	422.94%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$ 298,621	\$ 2,127,078	\$ 1,828,457	612.30%	
163		Asset Based Margins	\$ 170,007	\$ 323,575	\$ 153,568	90.33%	
164							
165		Total System - Plant Level	\$ 7,579,079	\$ 8,473,293	\$ 894,214	11.80%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

July 2021 Forecast to Actual - MWh					
		July 2021 Forecast	July 2021 Actual	Notes	
Line	Plant Generation	[PROTECTED DATA BEGINS...]			
1	Big Stone				
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	222,218	234,190		
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				
12		...PROTECTED DATA ENDS]			
13	Total Wind	54,262	58,837		
14					
15	Total Hydro	1,699	802		
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	-	319		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	31,778	60,327		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		...PROTECTED DATA ENDS]			
32	Total Solar	-	7		
33					
34	Total OTP-Owned	309,956	354,483		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555 RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS)		
157		Total Purchases	101,170	101,228	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	(95)	2,109	
160					
161		Asset Based Sales	14,530	67,335	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	396,501	390,484	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		July 2021 Forecast to Actual - \$ per MWh			
		July 2021 Forecast	July 2021 Actual		
Line	Plant Generation	[PROTECTED DATA BEGINS...		Notes	
1	Big Stone				
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	\$ 20.27	\$ 19.67		
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	Fergus Control Center				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	\$ -	\$ -		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	\$ 22.52	\$ 44.15		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		...PROTECTED DATA ENDS]			
32	Total Solar	\$ -	\$ -		
33					
34	Total OTP-Owned	\$ 42.79	\$ 63.82		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555. RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS]		
157		Total Purchases	\$ 27.61	\$ 30.68	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 30.65	
160					
161		Asset Based Sales	\$ 32.25	\$ 36.39	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 19.11	\$ 21.70	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		August 2021 Forecast to Actual - Expense (Revenue)				Notes
		August 2021 Forecast	August 2021 Actual			
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6	Total Coal	\$ 2,854,311	\$ 4,015,011	\$ 1,160,700	40.66%	
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	Fergus Control Center					
21						
22	Total Oil - Peaking Units	\$ 183,923	\$ -	\$ (183,923)	-100.00%	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26						
27	Total Natural Gas	\$ 535,138	\$ 2,189,021	\$ 1,653,883	309.06%	
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32	Total Solar	\$ -	\$ -	\$ -	0	
33						
34	Total OTP-Owned	\$ 3,573,372	\$ 6,204,032	\$ 2,630,660	73.62%	
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	\$ (131,556)	\$ (314,383)	\$ (182,827)	138.97%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 357,770	\$ 906,331	\$ 548,561	153.33%	
45	RT Loss Amount	\$ 10,405	\$ (20,343)	\$ (30,748)	-295.52%	
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	\$ 37,229	\$ 51,385	\$ 14,157	38.03%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 4,456	\$ 7,819	\$ 3,363	75.46%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,500	\$ 2,429	\$ 929	61.92%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	555.20 DA Congestion	\$ 172,393	\$ 2,754,663	\$ 2,582,270	1497.90%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (8,824)	\$ 260,114	\$ 268,938	-3047.71%	
57	555.14 FTR Hourly Allocation Amount	\$ (250,560)	\$ (3,281,280)	\$ (3,030,720)	1209.58%	
58	555.15 FTR Monthly Allocation Amount	\$ (14,226)	\$ (26,485)	\$ (12,259)	86.18%	
59	555.17 FTR Yearly Allocation Amount	\$ (1,015)	\$ -	\$ 1,015	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (6,890)	\$ -	\$ 6,890	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 5,384	\$ (92,204)	\$ (97,588)	-1812.61%	
62	555.37 FTR Guarantee Uplift Amount	\$ (9,772)	\$ 92,204	\$ 101,976	-1043.51%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (147,249)	\$ (2,293,476)	\$ (2,146,227)	1457.55%	
64	555.38 FTR Annual Transaction Amount	\$ 146,367	\$ 2,275,443	\$ 2,129,076	1454.62%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,498	\$ 17,240	\$ 13,754	394.52%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (37,770)	\$ (70,355)	\$ (32,585)	96.22%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 5,437	\$ 8,324	\$ 2,887	53.09%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (2,574)	\$ (16,474)	\$ (13,899)	539.89%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 96,052	\$ 73,964	334.85%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (56,672)	\$ (44,175)	353.47%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 16,867	\$ (25,590)	-60.27%	
74	555.25 RT Misc Amount	\$ 18,176	\$ (842)	\$ (19,018)	-104.63%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ 1,349	\$ 114	9.20%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 23,265	\$ 23,265	0	
78	555.63 DA Ramp Product	\$ (1,999)	\$ (2,340)	\$ (341)	17.07%	
79	555.64 RT Ramp Product	\$ 33	\$ (1,933)	\$ (1,966)	-6041.67%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 7,773	\$ (7,919)	-50.46%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	\$ -	\$ (30,472)	\$ (30,472)	0	
88						
89	Total MISO Wholesale Market Charges	\$ 156,308	\$ 252,366	\$ 96,058	61.45%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 0	\$ (101)	-99.86%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ (0)	\$ (10)	-102.20%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 0	\$ (9)	-99.78%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ (0)	\$ (13)	-100.70%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ (0)	\$ (14)	-100.14%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 0	\$ (2)	-99.43%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (8,591)	\$ (12,747)	\$ (4,156)	48.37%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 0	-118.82%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (43,723)	\$ (55,321)	\$ (11,598)	26.53%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (14,210)	\$ (20,718)	\$ (6,508)	45.80%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ (35)	\$ (26)	285.86%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	-	\$	-	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	-	\$	-	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	0	\$	(7)	-99.70%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
121		Total SPP Wholesale Market Charges	\$	(66,380)	\$	(88,821)	\$	(22,441)	33.81%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(60,555)	\$	(56,142)	\$	4,412	-7.29%	
125		Real Time Regulation Amount	\$	7,288	\$	17,238	\$	9,950	136.53%	
126		Regulation Cost Distribution Amount	\$	10,793	\$	17,520	\$	6,726	62.32%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(23,778)	\$	(57,334)	\$	(33,556)	141.12%	
131		Real Time Spinning Reserve Amount	\$	2,008	\$	13,545	\$	11,537	574.65%	
132		Spinning Reserve Cost Distribution Amount	\$	11,519	\$	20,427	\$	8,908	77.34%	
133		Day Ahead Supplemental Reserve Amount	\$	(4,833)	\$	(63,803)	\$	(58,969)	1220.07%	
134		Real Time Supplemental Reserve Amount	\$	2,992	\$	5,653	\$	2,661	88.91%	
135		Supplemental Reserve Cost Distribution Amount	\$	2,121	\$	6,194	\$	4,073	192.00%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	4,636	\$	2,325	100.59%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1,896	\$	1,300	\$	(596)	-31.45%	
140		Total MISO ASM	\$	(47,466)	\$	(90,767)	\$	(43,301)	91.22%	
141										
142		Total Wholesale Market Charges	\$	42,462	\$	72,778	\$	30,317	71.40%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance								
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy Only
156										
157		Total Purchases	\$	4,860,413	\$	3,851,936	\$	(1,008,477)	-20.75%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	15,013	\$	(25,779)	\$	(40,792)	-271.71%	
160										
161		Asset Based Sales	\$	342,972	\$	1,969,603	\$	1,626,631	474.27%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	225,957	\$	1,411,826	\$	1,185,868	524.82%	
163		Asset Based Margins	\$	117,015	\$	557,778	\$	440,763	376.67%	
164										
165		Total System - Plant Level	\$	8,148,288	\$	8,133,365	\$	(14,923)	-0.18%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		August 2021 Forecast to Actual - MWh		Notes
		August 2021 Forecast	August 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		[PROTECTED DATA ENDS]		
6	Total Coal	125,096	183,558	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		[PROTECTED DATA ENDS]		
13	Total Wind	47,549	78,586	
14		[PROTECTED DATA BEGINS...]		
15	Total Hydro	1,699	128	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		[PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	791	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		[PROTECTED DATA ENDS]		
27	Total Natural Gas	22,864	54,100	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		[PROTECTED DATA ENDS]		
32	Total Solar	-	11	
33		[PROTECTED DATA BEGINS...]		
34	Total OTP-Owned	197,999	316,383	
35		[PROTECTED DATA BEGINS...]		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			
156			...PROTECTED DATA ENDS		
157		Total Purchases	204,269	122,349	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	494	(633)	
160					
161		Asset Based Sales	9,356	46,217	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	393,405	391,682	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		August 2021 Forecast to Actual - \$ per MWh		Notes
		August 2021 Forecast	August 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	\$ 22.82	\$ 21.87	
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 BEGINS...		
15	Total Hydro	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 23.40	\$ 40.46	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...		
34	Total OTP-Owned	\$ 46.22	\$ 62.34	
35		[PROTECTED DATA BEGINS...		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555. RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS]		
157		Total Purchases	\$ 23.79	\$ 31.48	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 30.94	
160					
161		Asset Based Sales	\$ 36.66	\$ 42.62	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 20.71	\$ 20.77	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

September 2021 Forecast to Actual - Expense (Revenue)						
		September 2021 Forecast	September 2021 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...				
1	Big Stone					Actuals include Hoot Lake #2 and #3 combined
2	Coyote					
3	Hoot Lake #2					
4	Hoot Lake #3					
5				...[PROTECTED DATA ENDS]		
6		Total Coal	\$ 2,223,903	\$ 2,964,352	\$ 740,449	33.30%
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	Fergus Control Center					
21				...[PROTECTED DATA ENDS]		
22		Total Oil - Peaking Units	\$ -	\$ -	\$ -	0
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...[PROTECTED DATA ENDS]		
27		Total Natural Gas	\$ 220,930	\$ 1,150,218	\$ 929,288	420.63%
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	\$ 2,444,833	\$ 4,114,570	\$ 1,669,737	68.30%
35						
36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0	
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (124,791)	\$ (220,970)	\$ (96,179)	77.07%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 339,372	\$ 706,051	\$ 366,679	108.05%	
45	RT Loss Amount	\$ 9,870	\$ 35,415	\$ 25,545	258.82%	
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	\$ 42,337	\$ 47,854	\$ 5,517	13.03%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 6,152	\$ 8,413	\$ 2,261	36.75%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,946	\$ 2,090	\$ 144	7.42%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 163,528	\$ 1,762,901	\$ 1,599,374	978.05%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (8,370)	\$ 339,709	\$ 348,079	-4158.41%	
57	555.14 FTR Hourly Allocation Amount	\$ (237,676)	\$ (3,498,371)	\$ (3,260,695)	1371.91%	
58	555.15 FTR Monthly Allocation Amount	\$ (13,494)	\$ (126,712)	\$ (113,218)	839.01%	
59	555.17 FTR Yearly Allocation Amount	\$ (963)	\$ -	\$ 963	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (6,535)	\$ -	\$ 6,535	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (1,790)	\$ (128,496)	\$ (126,706)	7078.91%	
62	555.37 FTR Guarantee Uplift Amount	\$ 1,532	\$ 128,496	\$ 126,964	8286.01%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (247,873)	\$ (1,523,082)	\$ (1,275,209)	514.46%	
64	555.38 FTR Annual Transaction Amount	\$ 247,787	\$ 1,511,547	\$ 1,263,760	510.02%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,766	\$ 18,657	\$ 8,890	91.03%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (24,249)	\$ (93,475)	\$ (69,226)	285.48%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 4,931	\$ 9,750	\$ 4,819	97.72%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (5,234)	\$ (1,567)	\$ 3,668	-70.07%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 65,125	\$ 43,036	194.83%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (35,784)	\$ (23,286)	186.33%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 112,455	\$ 69,998	164.87%	
74	555.25 RT Misc Amount	\$ 18,176	\$ (2,109)	\$ (20,286)	-111.60%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ (2,573)	\$ (3,808)	-308.38%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 22,065	\$ 22,065	-	
78	555.63 DA Ramp Product	\$ (1,681)	\$ (453)	\$ 1,229	-73.09%	
79	555.64 RT Ramp Product	\$ (257)	\$ (827)	\$ (569)	221.51%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 7,668	\$ (8,024)	-51.13%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	\$ -	\$ 133,477	\$ 133,477	0	
88						
89		Total MISO Wholesale Market Charges	\$ 171,342	\$ (781,102)	\$ (952,444)	-555.87% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 0	\$ (101)	-99.64%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 0	\$ (10)	-99.90%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 0	\$ (9)	-99.89%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ -	\$ (13)	-100.00%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 0	\$ (14)	-99.86%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ -	\$ (2)	-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (8,150)	\$ (12,229)	\$ (4,080)	50.06%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-95.29%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (41,475)	\$ (168,468)	\$ (126,993)	306.19%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (13,479)	\$ (23,962)	\$ (10,483)	77.77%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ 1	\$ 10	-110.77%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	-	\$	-	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	0	\$	0	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	-	\$	(7)	-100.00%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
121		Total SPP Wholesale Market Charges	\$	(62,959)	\$	(204,658)	\$	(141,699)	225.06%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(58,554)	\$	(37,558)	\$	20,995	-35.86%	
125		Real Time Regulation Amount	\$	3,497	\$	(373)	\$	(3,870)	-110.67%	
126		Regulation Cost Distribution Amount	\$	10,599	\$	14,926	\$	4,326	40.81%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(15,798)	\$	(29,804)	\$	(14,005)	88.65%	
131		Real Time Spinning Reserve Amount	\$	712	\$	4,857	\$	4,144	581.90%	
132		Spinning Reserve Cost Distribution Amount	\$	10,936	\$	13,309	\$	2,372	21.69%	
133		Day Ahead Supplemental Reserve Amount	\$	(9,802)	\$	(26,670)	\$	(16,868)	172.09%	
134		Real Time Supplemental Reserve Amount	\$	3,977	\$	4,045	\$	69	1.72%	
135		Supplemental Reserve Cost Distribution Amount	\$	3,396	\$	2,512	\$	(884)	-26.04%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	(31)	\$	(2,342)	-101.33%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1,896	\$	1,233	\$	(663)	-34.99%	
140		Total MISO ASM	\$	(46,058)	\$	(53,555)	\$	(7,497)	16.28%	
141										
142		Total Wholesale Market Charges	\$	62,324	\$	(1,039,315)	\$	(1,101,640)	-1767.59%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance								
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy Only
156										
157		Total Purchases	\$	4,918,173	\$	2,205,382	\$	(2,712,790)	-55.16%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	8,072	\$	(5,657)	\$	(13,729)	-170.09%	
160										
161		Asset Based Sales	\$	179,438	\$	1,746,381	\$	1,566,942	873.25%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	124,155	\$	1,553,263	\$	1,429,108	1151.07%	
163		Asset Based Margins	\$	55,284	\$	193,118	\$	137,834	249.32%	
164										
165		Total System - Plant Level	\$	7,253,963	\$	3,528,599	\$	(3,725,364)	-51.36%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		September 2021 Forecast to Actual - MWh		Notes
		September 2021 Forecast	September 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				
6	Total Coal	93,020	144,130	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	61,117	90,098	
14				
15	Total Hydro	1,644	161	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	7,929	19,812	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	-	11	
33				
34	Total OTP-Owned	163,710	254,212	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS		
157		Total Purchases	214,079	58,910	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	266	(180)	
160					
161		Asset Based Sales	5,126	59,054	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	372,928	253,889	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		September 2021 Forecast to Actual - \$ per MWh		Notes
		September 2021 Forecast	September 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	\$ 23.91	\$ 20.57	
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 BEGINS...		
15	Total Hydro	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 27.87	\$ 58.06	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...		
34	Total OTP-Owned	\$ 51.77	\$ 78.62	
35		[PROTECTED DATA BEGINS...		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555. RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...]		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 22.97	\$ 37.44	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 31.41	
160					
161		Asset Based Sales	\$ 35.00	\$ 29.57	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 19.45	\$ 13.90	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

October 2021 Forecast to Actual - Expense (Revenue)						
		October 2021 Forecast	October 2021 Actual			Notes
Line	Plant Generation	[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6	Total Coal	\$ 1,760,121	\$ 1,543,295	..PROTECTED DATA ENDS]	-\$ 216,826	-12.32%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	...PROTECTED DATA ENDS]	\$ -	0
14						
15	Total Hydro	\$ -	\$ -		\$ -	0
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22	Total Oil - Peaking Units	\$ -	\$ 18,994	...PROTECTED DATA ENDS]	\$ 18,994	0
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26						
27	Total Natural Gas	\$ 80,562	\$ 3,093,800	...PROTECTED DATA ENDS]	\$ 3,013,238	3740.29%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32	Total Solar	\$ -	\$ -	...PROTECTED DATA ENDS]	\$ -	0
33						
34	Total OTP-Owned	\$ 1,840,683	\$ 4,656,089		\$ 2,815,406	152.95%
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	\$ (131,318)	\$ (228,550)	\$ (97,232)		74.04%
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0
44	DA Loss Amount	\$ 357,121	\$ 630,343	\$ 273,222		76.51%
45	RT Loss Amount	\$ 10,386	\$ 108,089	\$ 97,703		940.72%
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	\$ 55,818	\$ 43,660	\$ (12,158)		-21.78% Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 6,499	\$ 6,893	\$ 394		6.06% Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,867	\$ 1,158	\$ (709)		-38.00% Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA Congestion Amount	\$ -	\$ -	\$ -		0
54	555.20 RT Congestion Amount	\$ 172,080	\$ 1,093,732	\$ 921,652		535.59%
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0
56	RT Congestion	\$ (8,808)	\$ 535,216	\$ 544,024		-6176.29%
57	555.14 FTR Hourly Allocation Amount	\$ (250,106)	\$ (1,590,312)	\$ (1,340,206)		535.86%
58	555.15 FTR Monthly Allocation Amount	\$ (14,200)	\$ (93,261)	\$ (79,061)		556.77%
59	555.17 FTR Yearly Allocation Amount	\$ (1,014)	\$ -	\$ 1,014		-100.00%
60	555.35 FTR Monthly Transaction Amount	\$ (6,877)	\$ (2,157,683)	\$ (2,150,806)		31274.03%
61	555.36 FTR Full Funding Guarantee Amount	\$ (17,652)	\$ (7,272)	\$ 10,380		-58.80%
62	555.37 FTR Guarantee Uplift Amount	\$ 18,819	\$ 25,197	\$ 6,377		33.89%
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (247,873)	\$ (1,523,082)	\$ (1,275,209)		514.46%
64	555.38 FTR Annual Transaction Amount	\$ 247,787	\$ 1,511,547	\$ 1,263,760		510.02%
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,766	\$ 18,657	\$ 8,890		91.03%
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (24,244)	\$ (93,475)	\$ (69,232)		285.57%
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -		0
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,573	\$ 15,629	\$ 7,056		82.30%
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (12,324)	\$ (14,368)	\$ (2,044)		16.58%
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 80,368	\$ 58,279		263.84%
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681		-100.00%
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (10,802)	\$ 1,695		-13.56%
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 126,633	\$ 84,176		198.26%
74	555.25 RT Misc Amount	\$ 18,176	\$ (4,398)	\$ (22,574)		-124.19%
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ (7,480)	\$ (8,715)		-705.68%
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -		0
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 53,615	\$ 53,615		0
78	555.63 DA Ramp Product	\$ (695)	\$ (5,063)	\$ (4,368)		628.16%
79	555.64 RT Ramp Product	\$ (10)	\$ (2,270)	\$ (2,259)		22172.82%
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 7,528	\$ (8,163)		-52.02%
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0 Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0 Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -		0
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -		0
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -		0
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$ 108,107	\$ 108,107		0
88						
89	Total MISO Wholesale Market Charges	\$ 176,882	\$ (1,423,354)	\$ (1,600,236)		-904.69% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0 Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -		0
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0 Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -		0
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -		0
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 330	\$ 229		226.53%
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -		0
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 14	\$ 4		42.72%
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 10	\$ 1		14.09%
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 38	\$ 26		198.37%
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 45	\$ 31		220.88%
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 2	\$ (0)		-13.14%
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0		-100.00%
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (8,576)	\$ (14,552)	\$ (6,976)		69.69%
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ (1)	\$ (0)		15.38%
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (1)	\$ (0)		138.10%
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1		-96.67%
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0		-100.00%
111	555.20 RT Pseudo Tie Congestion Amount	\$ (43,644)	\$ (90,647)	\$ (47,003)		107.70%
112	555.21 RT Pseudo Tie Loss Amount	\$ (14,184)	\$ (10,708)	\$ 3,476		-24.51%
113	555.23 Miscellaneous Amount	\$ (9)	\$ 0	\$ 9		-101.96%
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -		0
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -		0

116	555.29	RT Schedule 1A3 Amount	\$ -	\$ 4	\$ 4	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$ -	\$ 21	\$ 21	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 7	\$ 28	\$ 21	308.73%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (0)	\$ (0)	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
121		Total SPP Wholesale Market Charges	\$ (66,260)	\$ (115,417)	\$ (49,157)	74.19%	
122							
123		MISO ASM					
124		Day Ahead Regulation Amount	\$ (25,459)	\$ (1,000)	\$ 24,459	-96.07%	
125		Real Time Regulation Amount	\$ 2,372	\$ (8,013)	\$ (10,385)	-437.86%	
126		Regulation Cost Distribution Amount	\$ 15,423	\$ 19,084	\$ 3,661	23.74%	
127		Day Ahead Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$ (21,207)	\$ (3,729)	\$ 17,478	-82.42%	
131		Real Time Spinning Reserve Amount	\$ 770	\$ (5,284)	\$ (6,054)	-785.93%	
132		Spinning Reserve Cost Distribution Amount	\$ 16,811	\$ 24,493	\$ 7,683	45.70%	
133		Day Ahead Supplemental Reserve Amount	\$ (6,038)	\$ (49,449)	\$ (43,411)	719.00%	
134		Real Time Supplemental Reserve Amount	\$ 833	\$ 9,600	\$ 8,767	1052.48%	
135		Supplemental Reserve Cost Distribution Amount	\$ 3,836	\$ 5,433	\$ 1,598	41.65%	
136		Contingency Reserve Deployment Failure Charge Amount	\$ 772	\$ -	\$ (772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,311	\$ (269)	\$ (2,581)	-111.66%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$ 1,896	\$ 785	\$ (1,111)	-58.58%	
140		Total MISO ASM	\$ (7,680)	\$ (8,347)	\$ (667)	8.69%	
141							
142		Total Wholesale Market Charges	\$ 102,942	\$ (1,547,118)	\$ (1,650,060)	-1602.90%	
143							
144							
145		Purchased Power					
146			[PROTECTED DATA BEGINS...]				
147		Edgeley PPA					
148		Langdon PPA					
149		Ashtabula III PPA					
150		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance					
152		Shared Loads					
153		Small Co-gen					
154		Bilateral purchases					
155		Market Purchases					MISO and SPP Energy Only
156							
157		Total Purchases	\$ 5,808,986	\$ 6,952,229	\$ 1,143,243	19.68%	Tribal (WAPA) excluded from Total
158							
159		Wind Curtailment	\$ 31,572	\$ 46,014	\$ 14,442	45.74%	
160							
161		Asset Based Sales	\$ 452	\$ 916,421	\$ 915,969	202728.81%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$ 747	\$ 757,291	\$ 756,544	101303.41%	
163		Asset Based Margins	\$ (295)	\$ 159,130	\$ 159,425	-54044.33%	
164							
165		Total System - Plant Level	\$ 7,783,731	\$ 9,190,794	\$ 1,407,062	18.08%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		October 2021 Forecast to Actual - MWh		Notes
		October 2021 Forecast	October 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				
6	Total Coal	66,083	59,697	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	69,834	94,239	
14				
15	Total Hydro	1,699	180	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	13	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	992	51,069	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	-	4	
33				
34	Total OTP-Owned	138,608	205,202	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA Congestion	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS)		
157		Total Purchases	253,622	160,193	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	1,039	1,391	
160					
161		Asset Based Sales	27	17,028	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	393,241	349,757	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

October 2021 Forecast to Actual - \$ per MWh					
Line	Plant Generation	October 2021 Forecast	October 2021 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	\$ 26.64	\$ 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	Fergus Control Center				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	\$ -	\$ -		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	\$ 81.21	\$ 60.58		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		...PROTECTED DATA ENDS]			
32	Total Solar	\$ -	\$ -		
33					
34	Total OTP-Owned	\$ 107.85	\$ 86.43		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555. RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...]		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 22.90	\$ 43.40	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 33.07	
160					
161		Asset Based Sales	\$ 16.60	\$ 53.82	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 19.79	\$ 26.28	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

November 2021 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	November 2021 Forecast	November 2021 Actual	Notes		
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					
4	Hoot Lake #3			Actuals include Hoot Lake #2 and #3 combined		
5						
6	Total Coal	\$ 2,584,695	\$ 1,669,169	...PROTECTED DATA ENDS	\$ (915,526)	-35.42%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					
12						
13	Total Wind	\$ -	\$ -	...PROTECTED DATA ENDS	\$ -	0
14						
15	Total Hydro	\$ -	\$ -	...PROTECTED DATA ENDS	\$ -	0
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22	Total Oil - Peaking Units	\$ -	\$ 13,520	...PROTECTED DATA ENDS	\$ 13,520	0
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26						
27	Total Natural Gas	\$ 149,202	\$ 2,762,426	...PROTECTED DATA ENDS	\$ 2,613,224	1751.47%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32	Total Solar	\$ -	\$ -	...PROTECTED DATA ENDS	\$ -	0
33						
34	Total OTP-Owned	\$ 2,733,896	\$ 4,445,115	...PROTECTED DATA ENDS	\$ 1,711,219	62.59%
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	\$ (153,013)	\$ (277,736)	\$ (124,723)	81.51%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 416,122	\$ 1,006,629	\$ 590,508	141.91%	
45	RT Loss Amount	\$ 12,102	\$ 39,005	\$ 26,903	222.31%	
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0	
50	555.01 DA Mkt Admin Amount	\$ 69,037	\$ 58,897	\$ (10,140)	-14.69%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 9,070	\$ 8,937	\$ (140)	-1.54%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,478	\$ 1,446	\$ (32)	-2.19%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 200,510	\$ 3,266,891	\$ 3,066,381	1529.29%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (10,263)	\$ 107,161	\$ 117,424	-1144.10%	
57	555.14 FTR Hourly Allocation Amount	\$ (291,426)	\$ (5,357,093)	\$ (5,065,666)	1738.23%	
58	555.15 FTR Monthly Allocation Amount	\$ (16,546)	\$ (16,985)	\$ (439)	2.65%	
59	555.17 FTR Yearly Allocation Amount	\$ (1,181)	\$ -	\$ 1,181	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (8,013)	\$ -	\$ 8,013	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (1,760)	\$ (274,409)	\$ (272,649)	15490.74%	
62	555.37 FTR Guarantee Uplift Amount	\$ 2,784	\$ 278,912	\$ 276,128	9917.71%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (247,873)	\$ (1,523,082)	\$ (1,275,209)	514.46%	
64	555.38 FTR Annual Transaction Amount	\$ 247,787	\$ 1,511,547	\$ 1,263,760	510.02%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,786	\$ 18,857	\$ 8,890	91.03%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (24,244)	\$ (93,475)	\$ (69,231)	285.55%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 12,595	\$ 23,877	\$ 11,281	89.57%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (4,672)	\$ (1,310)	\$ 3,363	-71.97%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 49,593	\$ 27,504	124.52%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (43,128)	\$ (30,630)	245.09%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 412,127	\$ 369,670	870.69%	
74	555.25 RT Misc Amount	\$ 18,176	\$ (0)	\$ (18,177)	-100.00%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ (12,581)	\$ (13,816)	-1118.71%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 55,660	\$ 55,660	0	
78	555.63 DA Ramp Product	\$ (691)	\$ (216)	\$ 476	-68.84%	
79	555.64 RT Ramp Product	\$ (2)	\$ (846)	\$ (844)	51636.39%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 5,146	\$ (10,546)	-67.21%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 12,142	\$ 12,142	0	
88						
89	Total MISO Wholesale Market Charges	\$ 209,451	\$ (813,513)	\$ (1,022,964)	-488.40%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ 2,217	\$ 2,116	2096.66%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ (1)	\$ (1)	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ 409	\$ 400	4181.73%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ 81	\$ 72	801.12%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ 214	\$ 201	1560.70%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ 390	\$ 376	2666.32%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ 51	\$ 49	2795.53%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (4)	\$ (4)	761.32%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (9,993)	\$ (16,884)	\$ (6,891)	68.97%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ 4	\$ 5	-935.03%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (19)	\$ (19)	8714.12%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ (28)	\$ (27)	4476.86%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (30)	\$ (30)	452750.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 1	\$ 1	-18007.69%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (50,854)	\$ (136,039)	\$ (85,184)	167.51%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (16,527)	\$ 9,757	\$ 26,284	-159.03%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ 1	\$ 10	-106.53%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ 0	\$ 0	0	

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	26	\$	26	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	133	\$	133	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	118	\$	111	1646.76%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	-	\$	-	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
121		Total SPP Wholesale Market Charges	\$	(77,230)	\$	(139,603)	\$	(62,372)	80.76%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(35,582)	\$	(684)	\$	34,898	-98.08%	
125		Real Time Regulation Amount	\$	7,883	\$	(12,701)	\$	(20,584)	-261.11%	
126		Regulation Cost Distribution Amount	\$	18,917	\$	24,724	\$	5,808	30.70%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(18,103)	\$	(6,498)	\$	11,605	-64.11%	
131		Real Time Spinning Reserve Amount	\$	4,582	\$	(12,179)	\$	(16,762)	-365.78%	
132		Spinning Reserve Cost Distribution Amount	\$	16,265	\$	23,287	\$	7,022	43.17%	
133		Day Ahead Supplemental Reserve Amount	\$	(2,883)	\$	(21,181)	\$	(18,299)	634.78%	
134		Real Time Supplemental Reserve Amount	\$	859	\$	6,078	\$	5,219	607.35%	
135		Supplemental Reserve Cost Distribution Amount	\$	1,930	\$	3,001	\$	1,071	55.49%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	737	\$	(1,574)	-68.11%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1,896	\$	387	\$	(1,509)	-79.61%	
140		Total MISO ASM	\$	(1,152)	\$	4,971	\$	6,123	-531.48%	
141										
142		Total Wholesale Market Charges	\$	131,069	\$	(948,144)	\$	(1,079,213)	-823.40%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								
151		WAPA Energy Imbalance								Not Applicable to EAR - Excluded from Total
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy Only
156										
157		Total Purchases	\$	6,571,163	\$	12,057,108	\$	5,485,945	83.49%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	387	\$	89,424	\$	89,037	23000.13%	
160										
161		Asset Based Sales	\$	2,153	\$	652,303	\$	650,150	30193.71%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	1,331	\$	624,057	\$	622,726	46793.30%	
163		Asset Based Margins	\$	822	\$	28,246	\$	27,424	3334.33%	
164										
165		Total System - Plant Level	\$	9,434,362	\$	14,991,200	\$	5,556,838	58.90%	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 2021 Forecast to Actual - MWh		Notes
		November 2021 Forecast	November 2021 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		[PROTECTED DATA ENDS]		
6	Total Coal	117,943	91,243	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		[PROTECTED DATA ENDS]		
13	Total Wind	54,609	89,348	
14				
15	Total Hydro	1,644	164	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		[PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		[PROTECTED DATA ENDS]		
27	Total Natural Gas	3,720	48,747	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		[PROTECTED DATA ENDS]		
32	Total Solar	-	2	
33				
34	Total OTP-Owned	177,922	229,504	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS)		
157		Total Purchases	279,624	249,508	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	13	2,702	
160					
161		Asset Based Sales	59	14,325	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	467,500	467,389	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		November 2021 Forecast to Actual - \$ per MWh		Notes
		November 2021 Forecast	November 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	\$ 21.91	\$ 18.29	
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 BEGINS...		
15	Total Hydro	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 40.11	\$ 56.67	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...		
34	Total OTP-Owned	\$ 62.02	\$ 74.96	
35		[PROTECTED DATA BEGINS...		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555. RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS]		
157		Total Purchases	\$ 23.50	\$ 48.32	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 33.09	
160					
161		Asset Based Sales	\$ 36.36	\$ 45.54	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 20.62	\$ 32.07	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

December 2021 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	December 2021 Forecast	December 2021 Actual			Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	Total Coal	\$ 3,675,322	\$ 4,122,039	\$ 446,717	12.15%	
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	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	\$ -	0	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					
26				...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 577,799	\$ 1,527,323	\$ 949,524	164.33%	
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	\$ 4,253,121	\$ 5,649,362	\$ 1,396,241	32.83%	
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	\$ (172,522)	\$ (417,653)	\$ (245,131)	142.09%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44	DA Loss Amount	\$ 469,175	\$ 823,513	\$ 354,337	75.52%	
45	RT Loss Amount	\$ 13,645	\$ 214,925	\$ 201,280	1475.14%	
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	\$ 74,562	\$ 72,896	\$ (1,666)	-2.23%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 8,721	\$ 10,627	\$ 1,906	21.85%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,809	\$ 2,231	\$ 422	23.34%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54	DA Congestion	\$ 226,074	\$ 5,318,811	\$ 5,092,737	2252.69%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56	RT Congestion	\$ (11,572)	\$ 789,432	\$ 801,004	-6921.88%	
57	555.14 FTR Hourly Allocation Amount	\$ (328,582)	\$ (10,387,076)	\$ (10,058,494)	3061.18%	
58	555.15 FTR Monthly Allocation Amount	\$ (18,655)	\$ (181,940)	\$ (163,285)	875.27%	
59	555.17 FTR Yearly Allocation Amount	\$ (1,332)	\$ -	\$ 1,332	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (9,035)	\$ -	\$ 9,035	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (18,498)	\$ (180,256)	\$ (161,757)	874.45%	
62	555.37 FTR Guarantee Uplift Amount	\$ 19,122	\$ 211,309	\$ 192,188	1005.07%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (183,251)	\$ (1,483,006)	\$ (1,299,756)	709.28%	
64	555.38 FTR Annual Transaction Amount	\$ 183,138	\$ 1,480,185	\$ 1,297,047	708.23%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,485	\$ 7,376	\$ 2,891	64.48%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (30,279)	\$ (66,453)	\$ (36,174)	119.47%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 15,226	\$ 14,137	\$ (1,089)	-7.15%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (2,608)	\$ (6,645)	\$ (4,037)	154.80%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 24,907	\$ 2,819	12.76%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (12,497)	\$ (43,528)	\$ (31,030)	248.29%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 42,457	\$ 167,062	\$ 124,605	293.49%	
74	555.25 RT Misc Amount	\$ 18,176	\$ 975	\$ (17,202)	-94.64%	
75	555.27 RT Net Inadvertent Amount	\$ 1,235	\$ (9,711)	\$ (10,946)	-886.33%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 48,126	\$ 48,126	0	
78	555.63 DA Ramp Product	\$ (484)	\$ (6,554)	\$ (6,070)	1252.83%	
79	555.64 RT Ramp Product	\$ (36)	\$ (1,016)	\$ (981)	2758.04%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 15,692	\$ 7,160	\$ (8,532)	-54.37%	
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
87	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 226,541	\$ 226,541	0	
88						
89	Total MISO Wholesale Market Charges	\$ 221,483	\$ (3,449,379)	\$ (3,670,862)	-1657.40%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90						
91	SPP Wholesale Market Charges					
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 101	\$ (2,038)	\$ (2,139)	-2119.70%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ 1	\$ 1	0	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ (250)	\$ (259)	-2714.25%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 9	\$ (60)	\$ (69)	-773.32%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	\$ (181)	\$ (193)	-1500.71%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 14	\$ (335)	\$ (350)	-2482.18%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2	\$ (48)	\$ (50)	-2832.65%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ 4	\$ 4	-961.32%	
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (11,267)	\$ (18,014)	\$ (6,748)	59.89%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)	\$ (5)	\$ (4)	824.84%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 14	\$ 15	-6890.59%	
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)	\$ 6	\$ 6	-1047.11%	
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ 17	\$ 17	-249850.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 3	\$ 3	-57884.62%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (57,338)	\$ 142,300	\$ 199,638	-348.18%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (18,634)	\$ 20,587	\$ 39,221	-210.48%	
113	555.23 Miscellaneous Amount	\$ (9)	\$ -	\$ 9	-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ (0)	\$ (0)	0	

116	555.29	RT Schedule 1A3 Amount	\$ -	\$ (21)	\$ (21)	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$ -	\$ (108)	\$ (108)	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 7	\$ (109)	\$ (116)	-1714.25%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (1)	\$ (1)	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ -	\$ -	0	
121		Total SPP Wholesale Market Charges	\$ (87,095)	\$ 141,761	\$ 228,856	-262.77%	
122							
123		MISO ASM					
124		Day Ahead Regulation Amount	\$ (69,799)	\$ (21,186)	\$ 48,612	-69.65%	
125		Real Time Regulation Amount	\$ 19,344	\$ (9,662)	\$ (29,006)	-149.95%	
126		Regulation Cost Distribution Amount	\$ 21,021	\$ 22,858	\$ 1,838	8.74%	
127		Day Ahead Short-Term Reserve Amount	\$ -	\$ (15,814)	\$ (15,814)	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$ -	\$ 3,965	\$ 3,965	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$ -	\$ 8,858	\$ 8,858	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$ (16,231)	\$ (34,896)	\$ (18,665)	114.99%	
131		Real Time Spinning Reserve Amount	\$ 652	\$ 10,194	\$ 9,542	1463.58%	
132		Spinning Reserve Cost Distribution Amount	\$ 14,094	\$ 20,031	\$ 5,937	42.13%	
133		Day Ahead Supplemental Reserve Amount	\$ (2,982)	\$ (16,205)	\$ (13,223)	443.40%	
134		Real Time Supplemental Reserve Amount	\$ 1,159	\$ 6,119	\$ 4,960	427.97%	
135		Supplemental Reserve Cost Distribution Amount	\$ 2,736	\$ 3,069	\$ 333	12.16%	
136		Contingency Reserve Deployment Failure Charge Amount	\$ 772	\$ -	\$ (772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,311	\$ 2,379	\$ 68	2.92%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$ 1,896	\$ 1,865	\$ (31)	-1.62%	
140		Total MISO ASM	\$ (25,028)	\$ (18,425)	\$ 6,602	-26.38%	
141							
142		Total Wholesale Market Charges	\$ 109,361	\$ (3,326,043)	\$ (3,435,404)	-3141.35%	
143							
144							
145		Purchased Power					
146							
147		Edgeley PPA					
148		Langdon PPA					
149		Ashtabula III PPA					
150		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance					
152		Shared Loads					
153		Small Co-gen					
154		Bilateral purchases					
155		Market Purchases					MISO and SPP Energy Only
156							
157		Total Purchases	\$ 6,826,089	\$ 10,979,154	\$ 4,153,065	60.84%	Tribal (WAPA) excluded from Total
158							
159		Wind Curtailment	\$ (2,253)	\$ 29,747	\$ 32,000	-1420.38%	
160							
161		Asset Based Sales	\$ 630,389	\$ 1,278,313	\$ 647,924	102.78%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$ 228,229	\$ 720,029	\$ 491,800	215.49%	
163		Asset Based Margins	\$ 402,160	\$ 558,285	\$ 156,124	38.82%	
164							
165		Total System - Plant Level	\$ 10,555,929	\$ 12,053,906	\$ 1,497,977	14.19%	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 2021 Forecast to Actual - MWh		Notes
		December 2021 Forecast	December 2021 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			
4	Hoot Lake #3			
5		[PROTECTED DATA ENDS]		
6	Total Coal	181,101	142,692	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		[PROTECTED DATA ENDS]		
13	Total Wind	65,668	85,981	
14				
15	Total Hydro	1,699	271	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		[PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	-	-	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		[PROTECTED DATA ENDS]		
27	Total Natural Gas	18,011	38,850	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		[PROTECTED DATA ENDS]		
32	Total Solar	-	2	
33				
34	Total OTP-Owned	246,479	267,796	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedules	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			(PROTECTED DATA BEGINS...)		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS)		
157		Total Purchases	279,183	300,527	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	(74)	989	
160					
161		Asset Based Sales	9,611	29,125	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins			Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	515,976	540,187	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

		December 2021 Forecast to Actual - \$ per MWh		Notes
		December 2021 Forecast	December 2021 Actual	
Line	Plant Generation	[PROTECTED DATA BEGINS...]		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	\$ 22.81	\$ 28.89	
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 BEGINS...]		
15	Total Hydro	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	\$ -	\$ -	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	\$ 32.08	\$ 39.31	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...]		
34	Total OTP-Owned	\$ 54.89	\$ 68.20	
35		[PROTECTED DATA BEGINS...]		
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555. RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$ 24.45	\$ 36.53	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	\$ 30.40	\$ 30.08	
160					
161		Asset Based Sales	\$ 65.59	\$ 43.89	
162		Fuel Costs	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	\$ 20.46	\$ 22.31	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Year to Date 2021 Forecast to Actual - Expense (Revenue)							Notes
Line	Plant Generation	YTD 2021 Forecast	YTD 2021 Actual				
1	Big Stone	[PROTECTED DATA BEGINS...]					
2	Covote						
3	Hoot Lake #2						Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3						
5						...PROTECTED DATA ENDS]	
6	Total Coal	\$ 41,570,398	\$ 41,891,976	\$ 321,578	0.77%		
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	Fergus Control Center						
21						...PROTECTED DATA ENDS]	
22	Total Oil - Peaking Units	\$ 183,923	\$ 876,530	\$ 692,607	376.57%		
23		[PROTECTED DATA BEGINS...]					
24	Natural gas - Solway						
25	Natural gas - Astoria						
26						...PROTECTED DATA ENDS]	
27	Total Natural Gas	\$ 4,231,724	\$ 16,558,090	\$ 12,326,366	291.28%		
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	\$ 45,986,045	\$ 59,326,596	\$ 13,340,551	29.01%		
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	\$ (1,743,209)	\$ (3,045,446)	\$ (1,302,237)	74.70%		
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0		
44	DA Loss Amount	\$ 4,740,687	\$ 8,944,691	\$ 4,204,004	88.68%		
45	RT Loss Amount	\$ 137,871	\$ 323,549	\$ 185,678	134.67%		
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	\$ 740,063	\$ 679,115	\$ (60,948)	-8.24%		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 84,518	\$ 96,307	\$ 11,783	13.94%		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 26,296	\$ 24,908	\$ (1,388)	-5.28%		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0		
54	DA Congestion	\$ 2,284,317	\$ 26,685,319	\$ 24,401,002	1068.20%		
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0		
56	RT Congestion	\$ (116,927)	\$ 2,383,599	\$ 2,500,526	-2138.53%		
57	555.14 FTR Hourly Allocation Amount	\$ (3,320,090)	\$ (41,854,342)	\$ (38,534,252)	1160.64%		
58	555.15 FTR Monthly Allocation Amount	\$ (188,500)	\$ (1,061,908)	\$ (873,408)	463.35%		
59	555.17 FTR Yearly Allocation Amount	\$ (13,455)	\$ (50,972)	\$ (37,517)	278.83%		
60	555.35 FTR Monthly Transaction Amount	\$ (91,294)	\$ (2,253,290)	\$ (2,161,996)	2368.16%		
61	555.36 FTR Full Funding Guarantee Amount	\$ (115,251)	\$ (739,519)	\$ (624,269)	541.66%		
62	555.37 FTR Guarantee Uplift Amount	\$ 117,086	\$ 807,315	\$ 690,228	589.50%		
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (2,501,545)	\$ (14,896,632)	\$ (12,395,087)	495.50%		
64	555.38 FTR Annual Transaction Amount	\$ 2,499,792	\$ 14,796,015	\$ 12,296,224	491.89%		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 62,761	\$ 121,070	\$ 58,308	92.90%		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (325,085)	\$ (673,981)	\$ (348,896)	107.32%		
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0		
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 104,016	\$ 165,608	\$ 61,592	59.21%		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (52,300)	\$ (76,737)	\$ (24,437)	46.73%		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 265,066	\$ 1,147,485	\$ 882,418	332.90%		
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (236,167)	\$ -	\$ 236,167	-100.00%		
72	555.42 RT Price Volatility Make Whole Payment	\$ (149,968)	\$ (544,832)	\$ (394,864)	263.30%		
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 509,485	\$ 1,116,536	\$ 607,050	119.15%		
74	555.25 RT Misc Amount	\$ 218,116	\$ (4,876)	\$ (222,992)	-102.24%		
75	555.27 RT Net Inadvertent Amount	\$ 14,820	\$ (39,964)	\$ (54,783)	-369.67%		
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ 40,003	\$ 40,003	0		
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 357,473	\$ 357,473	0		
78	555.63 DA Ramp Product	\$ (13,443)	\$ (29,947)	\$ (17,403)	55.07%		
79	555.64 RT Ramp Product	\$ (558)	\$ (8,203)	\$ (7,645)	1370.62%		
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ 188,300	\$ 81,263	\$ (107,037)	-56.84%		
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0		
84	555.06 DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0		
85	555.22 RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0		
86	555.23 RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0		
87	Net Congestion and Losses Adjustment & No DA Generation Sched	\$ -	\$ 1,068,049	\$ 1,068,049	0		
88							
89	Total MISO Wholesale Market Charges	\$ 2,274,525	\$ (7,233,575)	\$ (9,508,100)	-418.03%		Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91	SPP Wholesale Market Charges						
92	555.19 DA Asset Energy Amount***	\$ -	\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0		
94	555.09 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
95	555 RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0		
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0		
97	555.1 RT Make-Whole-Payment Distribution Amount	\$ 1,211	\$ 1,026	\$ (185)	-15.29%		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 115	\$ 211	\$ 97	84.16%		
100	555.04 DA Regulation-Down Distribution Amount	\$ 107	\$ 68	\$ (39)	-36.56%		
101	555.05 DA Regulation-Up Distribution Amount	\$ 155	\$ 172	\$ 18	11.42%		
102	555.06 DA Spinning Reserve Distribution Amount	\$ 169	\$ 166	\$ (3)	-1.70%		
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 21	\$ 9	\$ (12)	-58.61%		
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (6)	\$ (0)	\$ 6	-96.93%		
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (113,841)	\$ (952,666)	\$ (838,825)	736.84%		
106	555.12 RT Regulation-Down Distribution Amount	\$ (6)	\$ 4	\$ 10	-158.15%		
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (3)	\$ (6)	\$ (4)	140.63%		
108	555.14 RT Regulation-Up Distribution Amount	\$ (7)	\$ (24)	\$ (17)	234.11%		
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)	\$ (22)	\$ (22)	27621.99%		
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 1	\$ 1	-951.61%		
111	555.2 RT Pseudo Tie Congestion Amount	\$ (579,361)	\$ (943,152)	\$ (363,791)	62.79%		
112	555.21 RT Pseudo Tie Loss Amount	\$ (188,287)	\$ (414,729)	\$ (226,442)	120.26%		
113	555.23 Miscellaneous Amount	\$ (110)	\$ 80	\$ 190	-172.47%		
114	555.26 ARR Closeout Yearly Amount	\$ (90,194)	\$ (83,245)	\$ 6,949	-7.70%		
115	555.28 RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0		

116	555.29	RT Schedule 1A3 Amount	\$	-	\$	20	\$	20	0	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	\$	-	\$	105	\$	105	0	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	81	\$	74	\$	(7)	-8.92%	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	4	\$	4	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	(52)	\$	(52)	0	
121		Total SPP Wholesale Market Charges	\$	(969,957)	\$	(2,391,957)	\$	(1,422,000)	146.60%	
122										
123		MISO ASM								
124		Day Ahead Regulation Amount	\$	(598,476)	\$	(463,671)	\$	134,805	-22.52%	
125		Real Time Regulation Amount	\$	119,362	\$	(8,889)	\$	(128,251)	-107.45%	
126		Regulation Cost Distribution Amount	\$	175,261	\$	241,102	\$	65,841	37.57%	
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	(15,814)	\$	(15,814)	0	New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	3,965	\$	3,965	0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	8,858	\$	8,858	0	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(209,832)	\$	(412,246)	\$	(202,414)	96.47%	
131		Real Time Spinning Reserve Amount	\$	16,321	\$	100,198	\$	83,877	513.90%	
132		Spinning Reserve Cost Distribution Amount	\$	152,691	\$	233,342	\$	80,650	52.82%	
133		Day Ahead Supplemental Reserve Amount	\$	(67,413)	\$	(488,347)	\$	(420,934)	624.41%	
134		Real Time Supplemental Reserve Amount	\$	26,450	\$	107,447	\$	80,997	306.23%	
135		Supplemental Reserve Cost Distribution Amount	\$	32,063	\$	81,278	\$	49,215	153.50%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	9,258	\$	673	\$	(8,686)	-93.61%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	27,735	\$	33,772	\$	6,037	21.77%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	22,751	\$	17,941	\$	(4,811)	-21.14%	
140		Total MISO ASM	\$	(293,829)	\$	(560,492)	\$	(266,664)	90.75%	
141										
142		Total Wholesale Market Charges	\$	1,010,740	\$	(10,186,025)	\$	(11,196,764)	-1107.78%	
143										
144										
145		Purchased Power								
146										
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance								
152		Shared Loads								
153		Small Co-gen								
154		Bilateral purchases								
155		Market Purchases								MISO and SPP Energy Only
156										
157		Total Purchases	\$	59,381,149	\$	69,581,125	\$	10,199,976	17.18%	Tribal (WAPA) excluded from Total
158										
159		Wind Curtailment	\$	112,524	\$	337,570	\$	225,046	200.00%	
160										
161		Asset Based Sales	\$	4,431,509	\$	15,589,196	\$	11,157,688	251.78%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	2,602,005	\$	11,469,286	\$	8,867,281	340.79%	
163		Asset Based Margins	\$	1,829,504	\$	4,119,910	\$	2,290,406	125.19%	
164										
165		Total System - Plant Level	\$	102,058,949	\$	103,470,069	\$	1,411,121	1.38%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

		Year to Date 2021 Forecast to Actual - MWh		Notes
Line	Plant Generation	YTD 2021 Forecast	YTD 2021 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5		...PROTECTED DATA ENDS]		
6	Total Coal	1,870,654	1,877,694	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			
12		...PROTECTED DATA ENDS]		
13	Total Wind	844,368	959,910	
14				
15	Total Hydro	20,000	14,299	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21		...PROTECTED DATA ENDS]		
22	Total Oil - Peaking Units	791	2,889	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			
26		...PROTECTED DATA ENDS]		
27	Total Natural Gas	151,839	362,633	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31		...PROTECTED DATA ENDS]		
32	Total Solar	-	96	
33				
34	Total OTP-Owned	2,887,653	3,217,621	
35				
36	Wholesale Market Charges			
37	MISO Wholesale Market Charges			
38	555.02 DA Asset Energy Amount***	N/A	N/A	
39	555.04 DA FBT Loss Amount	N/A	N/A	
40	555.09 DA Non-asset Energy Amount***	N/A	N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	
44	DA Loss Amount	N/A	N/A	
45	RT Loss Amount	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A	
48	555.12 DA Virtual Energy Amount	N/A	N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	
51	555.18 RT Mkt Admin Amount	N/A	N/A	
52	555.13 FTR Mkt Admin Amount	N/A	N/A	
53	555.03 DA Congestion Amount	N/A	N/A	
54	DA Congestion	N/A	N/A	
55	555.2 RT FBT Congestion Amount	N/A	N/A	
56	RT Congestion	N/A	N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A	
64	555.38 FTR Annual Transaction Amount	N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A	
74	555.25 RT Misc Amount	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A	
78	555.63 DA Ramp Product	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount	N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A	
83	555.05 DA Congestion Rebate on COGA	N/A	N/A	
84	555.06 DA Losses Rebate on COGA	N/A	N/A	
85	555.22 RT Congestion Rebate on COGA	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Sc	N/A	N/A	
88				
89	Total MISO Wholesale Market Charges			
90				
91	SPP Wholesale Market Charges			
92	555.19 DA Asset Energy Amount***	N/A	N/A	
93	555.03 DA Non-asset Energy Amount	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	
95	555 RT Non-Asset Energy Amount	N/A	N/A	
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A	
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A	
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A	
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A	
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A	
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A	
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A	
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A	
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A	
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A	
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A	
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A	
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A	
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amo	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance			
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...PROTECTED DATA ENDS]		
157		Total Purchases	2,437,416	2,108,120	Tribal (WAPA) excluded from Total
158					
159		Wind Curtailment	3,701	10,615	
160					
161		Asset Based Sales	114,952	416,066	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	-	-	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
163		Asset Based Margins	-	-	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
164					
165		Total System - Plant Level	5,213,818	4,920,191	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Year to Date 2021 Forecast to Actual - \$ per MWh					
Line	Plant Generation	YTD 2021 Forecast	YTD 2021 Actual	Notes	
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5		...PROTECTED DATA ENDS]			
6	Total Coal	\$ 22.22	\$ 22.31		
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	Fergus Control Center				
21		...PROTECTED DATA ENDS]			
22	Total Oil - Peaking Units	\$ -	\$ -		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				
26		...PROTECTED DATA ENDS]			
27	Total Natural Gas	\$ 27.87	\$ 45.66		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31		...PROTECTED DATA ENDS]			
32	Total Solar	\$ -	\$ -		
33					
34	Total OTP-Owned	\$ 50.09	\$ 67.97		
35					
36	Wholesale Market Charges				
37	MISO Wholesale Market Charges				
38	555.02 DA Asset Energy Amount***	N/A	N/A		
39	555.04 DA FBT Loss Amount	N/A	N/A		
40	555.09 DA Non-asset Energy Amount***	N/A	N/A		
41	555.19 RT Asset Energy Amount***	N/A	N/A		
42	555.24 RT Distribution of Losses Amount	N/A	N/A		
43	555.21 RT FBT Loss Amount	N/A	N/A		
44	DA Loss Amount	N/A	N/A		
45	RT Loss Amount	N/A	N/A		
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08 DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12 DA Virtual Energy Amount	N/A	N/A		
49	555.32 RT Virtual Energy Amount	N/A	N/A		
50	555.01 DA Mkt Admin Amount	N/A	N/A		
51	555.18 RT Mkt Admin Amount	N/A	N/A		
52	555.13 FTR Mkt Admin Amount	N/A	N/A		
53	555.03 DA FBT Congestion Amount	N/A	N/A		
54	DA Congestion	N/A	N/A		
55	555.2 RT FBT Congestion Amount	N/A	N/A		
56	RT Congestion	N/A	N/A		
57	555.14 FTR Hourly Allocation Amount	N/A	N/A		
58	555.15 FTR Monthly Allocation Amount	N/A	N/A		
59	555.17 FTR Yearly Allocation Amount	N/A	N/A		
60	555.35 FTR Monthly Transaction Amount	N/A	N/A		
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39 FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38 FTR Annual Transaction Amount	N/A	N/A		
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07 DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72	555.42 RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28 RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25 RT Misc Amount	N/A	N/A		
75	555.27 RT Net Inadvertent Amount	N/A	N/A		
76	555.31 RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59 RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63 DA Ramp Product	N/A	N/A		
79	555.64 RT Ramp Product	N/A	N/A		
80	555.65 RT Schedule 43 Cost Distribution Amount	N/A	N/A		
81	555.55 RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56 RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05 DA Congestion Rebate on COGA	N/A	N/A		
84	555.06 DA Losses Rebate on COGA	N/A	N/A		
85	555.22 RT Congestion Rebate on COGA	N/A	N/A		
86	555.23 RT Loss Rebate on COGA	N/A	N/A		
87	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88					
89	Total MISO Wholesale Market Charges				
90					
91	SPP Wholesale Market Charges				
92	555.19 DA Asset Energy Amount***	N/A	N/A		
93	555.03 DA Non-asset Energy Amount	N/A	N/A		
94	555.09 RT Asset Energy Amount***	N/A	N/A		
95	555. RT Non-Asset Energy Amount	N/A	N/A		
96	555.02 DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1 RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05 DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06 DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07 DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08 RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11 RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12 RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13 RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14 RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2 RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.21 RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23 Miscellaneous Amount	N/A	N/A		
114	555.26 ARR Closeout Yearly Amount	N/A	N/A		
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A		

116	555.29	RT Schedule 1A3 Amount	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
117	555.30	RT Schedule 1A4 Amount	N/A	N/A	RT Schedule 1A4 is a new charge type in 2021
118	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	
121		Total SPP Wholesale Market Charges			
122					
123		MISO ASM			
124		Day Ahead Regulation Amount	N/A	N/A	
125		Real Time Regulation Amount	N/A	N/A	
126		Regulation Cost Distribution Amount	N/A	N/A	
127		Day Ahead Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
128		Real Time Short-Term Reserve Amount	N/A	N/A	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A	N/A	New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A	N/A	
131		Real Time Spinning Reserve Amount	N/A	N/A	
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	
133		Day Ahead Supplemental Reserve Amount	N/A	N/A	
134		Real Time Supplemental Reserve Amount	N/A	N/A	
135		Supplemental Reserve Cost Distribution Amount	N/A	N/A	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	
138		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	New charge type in 2021
139		Net Regulation Adjustment Amount	N/A	N/A	
140		Total MISO ASM			
141					
142		Total Wholesale Market Charges			
143					
144					
145		Purchased Power			
146			[PROTECTED DATA BEGINS...		
147		Edgeley PPA			
148		Langdon PPA			
149		Ashtabula III PPA			
150		Tribal (WAPA)			
151		WAPA Energy Imbalance			Not Applicable to EAR - Excluded from Total
152		Shared Loads			
153		Small Co-gen			
154		Bilateral purchases			
155		Market Purchases			MISO and SPP Energy Only
156			...[PROTECTED DATA ENDS]		
157		Total Purchases	\$	24.36	\$ 33.01
158					Tribal (WAPA) excluded from Total
159		Wind Curtailment	\$	30.40	\$ 31.80
160					
161		Asset Based Sales	\$	38.55	\$ 37.47
162		Fuel Costs		N/A	N/A
163		Asset Based Margins		N/A	N/A
164					
165		Total System - Plant Level	\$	19.57	\$ 21.03

Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

Attachment 4

Rate Schedule

Tariff Sheet MN13.01- MN Energy Adjustment Rider



Fergus Falls, Minnesota

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

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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 subject to the Energy Adjustment Rider 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.



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Energy Adjustment Rider

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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.

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	1.0833
Farms	9.03	1.0467
General Service	10.01, 10.02, 10.03, 10.07	1.0567
Large General Service	10.04, 10.05, 11.01, 14.03	0.9546
Irrigation Services	11.02	0.9585
Outdoor Lighting	11.03, 11.04, 11.07	0.8367
OPA	11.05	1.0373
Controlled Service-Water Heating	14.01	1.0898
Controlled Service- Interruptible	14.04, 14.05, 14.12	1.0945
Controlled Service - Deferred	14.06, 14.07	0.9846

N
N

N

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

N



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Second Revision

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

C
C

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.

N
N
N
N

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-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
1	COAL	216,944,195	226,311,700	123,779,878	75,817,695	100,891,019	131,892,166	204,267,675	161,202,150	106,598,372	56,165,128	86,932,568	120,487,834
2	BIOMASS	0	0	0	0	0	0	0	0	0	0	0	0
3	HYDRO	2,248,645	2,045,467	2,331,175	2,053,902	2,102,838	1,810,476	802,456	128,406	161,060	180,008	163,512	270,561
4	GAS	1,755,627	4,827,218	1,041,781	3,875,260	20,675,509	24,589,843	23,672,604	30,239,189	(1,710,141)	37,628,186	38,732,497	31,932,002
5	WIND	73,240,247	62,282,379	88,126,801	96,156,897	88,431,252	54,584,345	58,836,822	78,585,564	90,098,037	94,238,868	89,347,773	85,981,290
6	SOLAR	2,454	5,342	9,159	5,941	23,924	11,502	7,153	11,036	11,343	4,124	2,329	2,090
7	FUEL OIL	(10,471)	(752,736)	0	0	(17,381)	(135,068)	(439,389)	0	0	(42,645)	0	(2,174)
8	UNKNOWN	179,885,879	212,488,214	168,213,063	194,530,419	191,586,625	173,138,678	103,337,099	121,516,178	58,729,864	161,583,821	252,210,608	301,516,031
9	1-MONTH TOTAL	474,066,576	507,207,584	383,501,857	372,440,114	403,693,786	385,891,942	390,484,420	391,682,523	253,888,535	349,757,490	467,389,287	540,187,634

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

Line No.	Based on Period Ending		Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
FUEL COSTS BY ENERGY TYPE:														
1	GENERATION	COAL	\$4,503,673	\$4,769,453	\$2,908,601	\$2,256,311	\$2,661,290	\$3,030,466	\$3,929,078	\$3,527,724	\$2,208,627	\$1,490,225	\$1,602,964	\$3,671,195
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	\$43,559	\$96,350	\$20,183	\$97,686	\$703,697	\$975,413	\$1,384,401	\$1,264,482	\$352,681	\$2,406,660	\$2,208,791	\$1,259,059
5		WIND	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		FUEL OIL	\$12,361	\$356,875	\$5,305	\$10,378	(\$6,026)	\$156,543	(\$60,989)	\$0	\$0	\$1,914	\$9,304	(\$921)
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	\$865,685	\$898,831	\$672,646	\$1,204,785	\$921,206	\$1,058,928	\$509,029	\$586,573	\$990,615	\$1,202,752	\$1,417,540	\$1,033,644
13		SOLAR	\$793	\$660	\$1,983	\$3,446	\$3,043	\$4,535	\$4,567	\$4,523	\$4,823	\$4,580	\$3,121	\$2,025
14		FUEL OIL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		UNKNOWN	\$3,558,704	\$6,137,241	\$3,131,175	\$1,959,650	\$2,193,670	\$1,879,814	\$2,707,207	\$2,750,062	(\$28,146)	\$4,084,663	\$9,749,481	\$6,088,904
16		1-MONTH TOTAL	\$8,984,775	\$12,259,410	\$6,739,893	\$5,532,257	\$6,476,879	\$7,105,698	\$8,473,293	\$8,133,365	\$3,528,599	\$9,190,794	\$14,991,200	\$12,053,906
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)		1.86233	2.65713	1.50940	1.35049	1.84400	1.95284	2.30024	2.10133	1.01039	2.87243	3.91481	2.68243
ONE-MONTH COST DISTRIBUTION BY ENERGY TYPE:														
19	GENERATION	COAL	0.93350	1.03374	0.65138	0.55079	0.75768	0.83285	1.06662	0.91142	0.63242	0.46574	0.41860	0.81698
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	0.00903	0.02088	0.00452	0.02385	0.20035	0.26807	0.37582	0.32669	0.10099	0.75216	0.57680	0.28019
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	0.00256	0.07735	0.00119	0.00253	-0.00172	0.04302	-0.01656	0.00000	0.00000	0.00060	0.00243	-0.00020
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	0.17944	0.19481	0.15064	0.29410	0.26227	0.29102	0.13819	0.15155	0.28365	0.37590	0.37018	0.23002
31		SOLAR	0.00016	0.00014	0.00044	0.00084	0.00087	0.00125	0.00124	0.00117	0.00138	0.00143	0.00082	0.00045
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	0.73763	1.33020	0.70123	0.47837	0.62455	0.51662	0.73492	0.71051	-0.00806	1.27659	2.54598	1.35500
34	ACTUAL COST (cents/kWh)		1.86233	2.65713	1.50940	1.35049	1.84400	1.95284	2.30024	2.10133	1.01039	2.87243	3.91481	2.68243

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

2006 Big Stone cost per Mbtu
 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

2006 Coyote 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
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 2015 Coyote cost per Mbtu
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 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

2006 Hoot Lake cost per Mbtu
 2007 Hoot Lake cost per Mbtu
 2008 Hoot Lake cost per Mbtu
 2009 Hoot Lake cost per Mbtu
 2010 Hoot Lake cost per Mbtu
 2011 Hoot Lake cost per Mbtu
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 2018 Hoot Lake cost per Mbtu
 2019 Hoot Lake cost per Mbtu
 2020 Hoot Lake cost per Mbtu
 2021 Hoot Lake 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
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Cost of delivered natural gas

[PROTECTED DATA BEGINS

2006 Solway Plant cost per Mbtu
 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

2021 Astoria Plant cost per Mbtu

. . . PROTECTED DATA ENDS]

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

2006 IC Plants and FF Control Ctr diesel, \$/Mbtu	12.86	13.14	12.93	13.29	13.29	14.07	13.21	17.14	15.36	16.00	15.79	15.93
2007 IC Plants and FF Control Ctr diesel, \$/Mbtu	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, \$/Mbtu	16.36	16.71	16.79	16.71	0	15.14	18.07	16.50	12.64	17.50	13.79	17.00
2009 IC Plants and FF Control Ctr diesel, \$/Mbtu	13.57	0.00	0.00	12.64	15.36	0.00	0.00	16.79	16.07	16.07	15.79	15.79
2010 IC Plants and FF Control Ctr diesel, \$/Mbtu	16.07	12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29	16.21	17.21
2011 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43	20.21	17.29
2012 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	20.57	20.57	20.57	19.86	19.93	20.93	14.29	22.07	17.93	22.21
2013 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.71	0.00	19.36	17.86	0.00	17.79	0.00	21.36	17.86	17.79	19.00	22.07
2014 IC Plants and FF Control Ctr diesel, \$/Mbtu	21.21	22.14	20.07	19.07	22.14	19.93	21.00	0.00	22.29	19.93	0.00	19.93
2015 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.93	21.64	22.14	14.29	20.50	21.14	21.64	15.93	0.00	16.07	20.65	20.95
2016 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.62	21.32	18.20	22.14	16.36	22.13	21.15	22.22	20.18	16.15	16.15
2017 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.37	19.32	16.87	20.19	16.72	20.13	20.17	21.67	21.90	17.28	22.11
2018 IC Plants and FF Control Ctr diesel, \$/Mbtu	20.67	16.15	18.70	22.11	18.42	16.57	20.86	19.42	17.50	20.05	20.05	16.61
2019 IC Plants and FF Control Ctr diesel, \$/Mbtu	18.78	17.74	17.13	17.82	16.80	0.00	0.00	0.00	0.00	17.11	17.81	16.72
2020 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.40	17.05	14.38	15.67	15.69	14.92	15.23	14.65	14.28	14.65	14.54	14.28
2021 IC Plants and FF Control Ctr diesel, \$/Mbtu	14.52	14.86	14.78	14.90	0.00	14.87	14.83	0.00	15.70	15.92	15.73	0.00

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

2006 Purchased Power	32.43	53.34	49.82	36.19	43.46	50.81	128.29	58.97	65.01	52.14	61.35	42.55
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

(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 2021	Minnesota - Retail January - December 2021
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss		
1	DA Asset Energy Amount	\$ 44,577,269.00	\$ 22,578,475.90
2	DA FBT Loss Amount	\$ -	\$ -
3	DA Non-asset Energy Amount	\$ (1,842,881.28)	\$ (933,423.05)
4	RT Asset Energy Amount	\$ (237,463.17)	\$ (120,275.57)
5	RT Distribution of Losses Amount	\$ (3,045,446.09)	\$ (1,542,524.54)
6	RT FBT Loss Amount	\$ -	\$ -
7	DA Loss Amount	\$ 8,944,691.31	\$ 4,530,504.04
8	RT Loss Amount	\$ 323,548.98	\$ 163,878.21
9	RT Non-Asset Energy Amount	\$ 671.23	\$ 339.98
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	\$ 679,114.85	\$ 343,973.03
14	RT Mkt Admin Amount	\$ 96,301.15	\$ 48,776.73
15	FTR Mkt Admin Amount	\$ 24,907.84	\$ 12,615.87
Congest & FTRs			
16	DA FBT Congestion Amount	\$ -	\$ -
17	DA Congestion	\$ 26,685,318.80	\$ 13,516,167.34
18	RT FBT Congestion Amount	\$ -	\$ -
19	RT Congestion	\$ 2,383,598.85	\$ 1,207,297.58
20	FTR Hourly Allocation Amount	\$ (41,854,341.54)	\$ (21,199,307.70)
21	FTR Monthly Allocation Amount	\$ (1,061,907.95)	\$ (537,858.50)
22	FTR Yearly Allocation Amount	\$ (50,971.90)	\$ (25,817.37)
23	FTR Monthly Transaction Amount	\$ (2,253,290.31)	\$ (1,141,296.05)
24	FTR Full Funding Guarantee Amount	\$ (739,519.23)	\$ (374,567.97)
25	FTR Guarantee Uplift Amount	\$ 807,314.56	\$ 408,906.44
26	FTR Auction Revenue Rights Transaction Amount	\$ (14,896,631.53)	\$ (7,545,173.66)
27	FTR Annual Transaction Amount	\$ 14,796,015.49	\$ 7,494,211.44
28	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 121,069.59	\$ 61,321.99
29	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (673,980.53)	\$ (341,372.49)
30	DA Congestion Rebate on Option B GFA	\$ -	\$ -
RSG & Make Whole Payments			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 165,608.09	\$ 83,880.83
32	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (76,737.47)	\$ (38,867.68)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 1,147,484.76	\$ 581,203.33
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ -
35	RT Price Volatility Make Whole Payment	\$ (544,832.18)	\$ (275,958.59)
Revenue Neutrality Uplift			
36	RT Revenue Neutrality Uplift Amount	\$ 1,156,538.72	\$ 585,789.17
Other Charges			
37	RT Misc Amount	\$ (4,876.18)	\$ (2,469.79)
38	RT Net Inadvertent Amount	\$ (39,963.69)	\$ (20,241.69)
39	RT Uninstructed Deviation Amount	\$ -	\$ -
40	RT Demand Response Allocation Uplift Amount	\$ 357,472.51	\$ 181,060.54
41	DA Ramp Product	\$ (20,846.54)	\$ (10,558.81)
42	RT Ramp Product	\$ (8,203.34)	\$ (4,155.01)
43	RT Schedule 49 Cost Distribution Amount	\$ 81,263.10	\$ 41,159.92
ASM Charges			
44	RT ASM Non-Excessive Energy Amount	\$ 15,196,315.44	\$ 7,696,964.16
45	RT ASM Excessive Energy Amount	\$ 27,933.98	\$ 14,148.62
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	\$ 50,220,545.32	\$ 25,436,806.65
51	Less Schedule 16 & 17 (Lines 13, 14, 15)	\$ (800,323.84)	
52	Congestion and Losses Adjustment	\$ 1,153,256.99	
53	No DA generation sch., but still had output	\$ (85,208.29)	
54	Total 2021 MISO Charges	\$ 50,488,270.18	

Percent of Minnesota Sales to System 2,417,042,275 / 4,772,030,634 = 0.506501835

Fuel Costs Allocated to Minnesota \$103,470,069 x 0.506501835 = \$52,407,780

		(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	(425,893)	\$ (7,901,076.56)	325,336	\$ 6,158,459.90	0	\$ -	1,965	\$ 46,741.92	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,631	\$ 96,586.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(31,290)	\$ (433,413.61)	20,059	\$ 339,515.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(457,184)	\$ (8,334,490.17)	350,025	\$ 6,594,561.71	0	\$ -	1,965	\$ 46,741.92	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	\$ (4,900.09)	0	\$ 152,008.44	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (511,091.08)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (24,135.77)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (540,126.94)	0	\$ 152,008.44	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	\$ (60,829.11)	0	\$ -	0	\$ (156.11)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (7,996.19)	0	\$ 2,165.25	0	\$ (1,424.35)	0	\$ -	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,359.68)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (71,184.98)	0	\$ 2,165.25	0	\$ (1,580.46)	0	\$ -	0	\$ -	0	\$ -
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (802,920.23)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ 37,447.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (131,226.50)	0	\$ 532,540.30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ (6.87)	0	\$ 15,642.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ (4.85)	0	\$ 50,976.75	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	\$ (65,877.57)	0	\$ 84,911.40	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (84,945.30)	0	\$ 43,044.30	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (19,193.99)	0	\$ 408,685.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (404,985.52)	0	\$ 20,022.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (2,174.65)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 23,824.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (670,967.90)	0	\$ 376,727.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -
	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (10,860.98)	0	\$ -	0	\$ (432.71)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 597.61	0	\$ -	0	\$ 57.90	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (11,879.98)	0	\$ 602.51	0	\$ (473.17)	0	\$ 23.85	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 1,984.99	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 50,751.04	0	\$ -	0	\$ 2,022.67	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (22,740.96)	0	\$ 51,951.16	0	\$ (905.88)	0	\$ 4,089.41	0	\$ -	0	\$ -
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0	\$ (0.05)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (3,890.42)	0	\$ 4,302.29	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (88,345.11)	0	\$ 2,126.59	0	\$ (3,520.55)	0	\$ 84.66	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (5,668.92)	0	\$ 10.74	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 283.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (40.95)	0	\$ 387.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (3,801.66)	0	\$ 1.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (101,747.11)	0	\$ 7,111.34	0	\$ (3,520.55)	0	\$ 84.66	0	\$ -	0	\$ -
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(48,094)	\$ (786,546.85)	16,316	\$ 234,002.44	(855)	\$ (16,938.59)	15,585	\$ 295,214.54	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(11)	\$ (96.80)	87	\$ 7.37	0	\$ -	68	\$ 1,179.97	0	\$ -	0	\$ -
53	SUBTOTAL		(48,105)	\$ (786,643.65)	16,402	\$ 234,009.81	(855)	\$ (16,938.59)	15,653	\$ 296,394.51	0	\$ -	0	\$ -

Otter Tail Power Company Detail of MISO Day 2 Charges - System January 2021 includes any adjustments																											
Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)														
	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE																	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue														
Grandfathered Charge Types																											
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-													
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-													
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-													
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-													
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-													
TOTAL MISO DAY 2 CHARGES														(505,288) \$	(10,527,901.71)	366,428	\$	7,418,535.06	(855) \$	(22,945.48)	17,618	\$	347,310.50	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(71,184.98)		\$	2,165.25																				
61	Congestion and Losses Adjustment		\$	(21,866.13)																							
62	No DA generation sch., but still had output for current month		\$	-																							
63																											
64																											
65	Total for MN Energy Adjustment Rider		\$	(10,434,850.60)		\$	7,416,369.81																				
66	Net Retail for MN Energy Adjustment Rider				\$	(3,018,480.79)																					
67	Retail MWh include losses of 2.8%																										
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS																											
68	NET MISO (Rev-Cost and MWh)																										
69	Less: Fuel Cost																										
70	Less: Misc Cost Adjustment																										
71	Plus: Capacity Revenue																										
72	Plus: Bilateral Sales																										
73	Less: Bilateral Purchases																										
74	Less: Schedule 24 for Asset Based Sales																										
75																											
76	TOTAL ASSET or NON ASSET BASED WHOLESALE																										

Otter Tail Power Company Detail of MISO Day 2 Charges - System February 2021 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	(484,166)	\$ (33,331,741.42)	370,087	\$ 25,370,920.03	0	\$ -	5,126	\$ 879,072.81	0	\$ -	0	\$ -										
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,987	\$ 414,441.59	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
3	RT Asset Energy Amount	555.19	(26,411)	\$ (1,629,437.60)	14,587	\$ 802,279.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
5	SUBTOTAL		(510,578)	\$ (34,961,179.02)	389,661	\$ 26,587,641.30	0	\$ -	5,126	\$ 879,072.81	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	\$ (14,230.39)	0	\$ 555,668.79	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
9	DA Loss Amount		0	\$ (1,464,277.76)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
10	RT Loss Amount		0	\$ (20,280.49)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
12	SUBTOTAL		0	\$ (1,498,788.64)	0	\$ 555,668.79	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
Virtual Energy																								
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
Schedules 16 & 17																								
16	DA Mkt Admin Amount	555.01	0	\$ (70,035.48)	0	\$ -	0	\$ (439.67)	0	\$ -	0	\$ -	0	\$ -										
17	RT Mkt Admin Amount	555.18	0	\$ (8,783.85)	0	\$ 894.94	0	\$ (2,567.82)	0	\$ -	0	\$ -	0	\$ -										
18	FTR Mkt Admin Amount	555.13	0	\$ (2,110.88)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
19	SUBTOTAL		0	\$ (80,930.21)	0	\$ 894.94	0	\$ (3,007.49)	0	\$ -	0	\$ -	0	\$ -										
Congestion & FTRs																								
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
21	DA Congestion		0	\$ -	0	\$ (2,148,796.58)	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
23	RT Congestion		0	\$ 320,934.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
24	FTR Hourly Allocation Amount	555.14	0	\$ (206,760.77)	0	\$ 2,453,442.97	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 19,086.04	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	\$ 95,607.19	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (18,708.58)	0	\$ 45,786.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
29	FTR Guarantee Uplift Amount	555.37	0	\$ (45,786.45)	0	\$ 24,738.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (19,193.99)	0	\$ 408,685.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
31	FTR Annual Transaction Amount	555.38	0	\$ (404,985.52)	0	\$ 20,022.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (2,174.61)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 23,824.47	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
35	SUBTOTAL		0	\$ (376,675.32)	0	\$ 942,397.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
RSG & Make Whole Payments																								
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (38,813.22)	0	\$ -	0	\$ (2,965.35)	0	\$ -	0	\$ -	0	\$ -										
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 9,156.79	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (479,355.45)	0	\$ 493.62	0	\$ (36,624.73)	0	\$ 37.54	0	\$ -	0	\$ -										
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (1.72)	0	\$ 38,981.24	0	\$ -	0	\$ -										
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 15,005.38	0	\$ -	0	\$ 1,146.47	0	\$ -	0	\$ -										
41	SUBTOTAL		0	\$ (518,168.67)	0	\$ 24,655.79	0	\$ (39,591.80)	0	\$ 40,165.25	0	\$ -	0	\$ -										
RNU & Misc Charges																								
42	RT Misc Amount	555.25	0	\$ (757.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
43	RT Net Inadvertent Amount	555.27	0	\$ (5,953.85)	0	\$ 3,898.95	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (171,654.40)	0	\$ 422,891.28	0	\$ (13,114.74)	0	\$ 32,310.79	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	\$ (65,634.17)	0	\$ 584.24	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
47	DA Ramp Product	555.63	0	\$ -	0	\$ 175.56	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
48	RT Ramp Product	555.64	0	\$ (161.52)	0	\$ 94.73	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (4,440.68)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
50	SUBTOTAL		0	\$ (248,602.22)	0	\$ 427,644.76	0	\$ (13,114.74)	0	\$ 32,310.79	0	\$ -	0	\$ -										
ASM Charges																								
51	RT ASM Non-Excessive Energy Amount	555.55	(61,562)	\$ (2,474,383.83)	10,308	\$ 1,451,959.97	(2,435)	\$ (122,716.57)	28,627	\$ 2,164,481.19	0	\$ -	0	\$ -										
52	RT ASM Excessive Energy Amount	555.56	(14)	\$ (349.52)	43	\$ 307.01	0	\$ -	287	\$ 7,057.71	0	\$ -	0	\$ -										
53	SUBTOTAL		(61,576)	\$ (2,474,733.35)	10,351	\$ 1,452,266.98	(2,435)	\$ (122,716.57)	28,914	\$ 2,171,538.90	0	\$ -	0	\$ -										

Otter Tail Power Company Detail of MISO Day 2 Charges - System February 2021 includes any adjustments																								
Charge Type Description	(A) Acct	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)											
		RETAIL		ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE																
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue											
Grandfathered Charge Types																								
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$											
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$											
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$											
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$											
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$											
59	TOTAL MISO DAY 2 CHARGES		(572,154) \$	(40,159,077.43)	400,012 \$	29,991,169.58	(2,435) \$	(178,430.60)	34,040 \$	3,123,087.75	0 \$	-	0 \$											
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(80,930.21)	\$	894.94																		
61	Congestion and Losses Adjustment		\$	32,935.77																				
62	No DA generation sch., but still had output for current month		\$	-																				
63																								
64																								
65	Total for MN Energy Adjustment Rider		\$	(40,111,082.99)	\$	29,990,274.64																		
66	Net Retail for MN Energy Adjustment Rider				\$	(10,120,808.35)																		
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)								\$	2,944,657.15			\$											
69	Less: Fuel Cost							31,597	\$	1,048,148.58			\$											
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								\$	531.82			\$											
75																								
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	1,895,976.75			\$											

Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2021 includes any adjustments																								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)										
Charge Type Description		Acct	RETAIL		RETAIL		ASSET BASED WHOLESALE		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	(461,751)	\$ (9,707,327.86)	353,605	\$ 7,950,353.59	0	\$ -	4,649	\$ 188,671.50	0	\$ -	0	\$ -										
2	DA Non-asset Energy Amount	555.09	0	\$ -	5,262	\$ 136,101.04	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
3	RT Asset Energy Amount	555.19	(17,945)	\$ (950,077.35)	32,118	\$ 704,848.51	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
4	RT Non-Asset Energy Amount	555.26	(8)	\$ (323.78)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
5	SUBTOTAL		(479,705)	\$ (10,657,728.99)	390,985	\$ 8,791,303.14	0	\$ -	4,649	\$ 188,671.50	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	\$ (8,351.37)	0	\$ 198,268.92	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
9	DA Loss Amount		0	\$ (652,548.77)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
10	RT Loss Amount		0	\$ 54,165.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
12	SUBTOTAL		0	\$ (606,734.93)	0	\$ 198,268.92	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	\$ (56,325.43)	0	\$ -	0	\$ (353.05)	0	\$ -	0	\$ -	0	\$ -										
17	RT Mkt Admin Amount	555.18	0	\$ (8,576.37)	0	\$ 720.49	0	\$ (2,882.61)	0	\$ 314.61	0	\$ -	0	\$ -										
18	FTR Mkt Admin Amount	555.13	0	\$ (2,076.16)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
19	SUBTOTAL		0	\$ (66,977.96)	0	\$ 720.49	0	\$ (3,235.66)	0	\$ 314.61	0	\$ -	0	\$ -										
Congestion & FTRs																								
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
21	DA Congestion		0	\$ -	0	\$ (1,941,920.66)	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
23	RT Congestion		0	\$ 478,982.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
24	FTR Hourly Allocation Amount	555.14	0	\$ (90,241.23)	0	\$ 2,140,726.82	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 113,928.29	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	\$ (105,397.54)	0	\$ 141,843.86	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
29	FTR Guarantee Uplift Amount	555.37	0	\$ (141,843.86)	0	\$ 105,397.54	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (23,597.32)	0	\$ 418,586.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
31	FTR Annual Transaction Amount	555.38	0	\$ (418,799.28)	0	\$ 23,821.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (551.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 22,795.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
35	SUBTOTAL		0	\$ (301,448.75)	0	\$ 1,025,179.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
RSG & Make Whole Payments																								
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (18,229.46)	0	\$ 8,685.00	0	\$ (2,675.19)	0	\$ 1,274.63	0	\$ -	0	\$ -										
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 5,293.43	0	\$ -	0	\$ 332.08	0	\$ -	0	\$ -										
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (97,256.14)	0	\$ 6,587.37	0	\$ (14,273.32)	0	\$ 966.57	0	\$ -	0	\$ -										
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 5,511.68	0	\$ -	0	\$ -										
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (0.35)	0	\$ 37,838.44	0	\$ (0.05)	0	\$ 5,553.29	0	\$ -	0	\$ -										
41	SUBTOTAL		0	\$ (115,485.95)	0	\$ 58,404.24	0	\$ (16,948.56)	0	\$ 13,638.25	0	\$ -	0	\$ -										
RNU & Misc Charges																								
42	RT Misc Amount	555.25	0	\$ -	0	\$ 325.47	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
43	RT Net Inadvertent Amount	555.27	0	\$ (4,143.09)	0	\$ 3,679.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (229,997.16)	0	\$ 111,209.81	0	\$ (33,754.71)	0	\$ 16,321.39	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	\$ (43,636.21)	0	\$ 703.15	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
47	DA Ramp Product	555.63	0	\$ -	0	\$ 587.67	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
48	RT Ramp Product	555.64	0	\$ (333.81)	0	\$ 259.36	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (6,198.92)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
50	SUBTOTAL		0	\$ (284,309.19)	0	\$ 116,765.34	0	\$ (33,754.71)	0	\$ 16,321.39	0	\$ -	0	\$ -										
ASM Charges																								
51	RT ASM Non-Excessive Energy Amount	555.55	(57,442)	\$ (1,380,798.60)	8,699	\$ 353,424.08	(5,162)	\$ (352,348.56)	31,388	\$ 754,538.32	0	\$ -	0	\$ -										
52	RT ASM Excessive Energy Amount	555.56	(55)	\$ (112.58)	49	\$ 213.44	0	\$ -	1	\$ 12.68	0	\$ -	0	\$ -										
53	SUBTOTAL		(57,496)	\$ (1,380,911.18)	8,748	\$ 353,637.52	(5,162)	\$ (352,348.56)	31,388	\$ 754,551.00	0	\$ -	0	\$ -										

Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2021 includes any adjustments																								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)										
Charge Type Description		Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE													
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue										
Grandfathered Charge Types																								
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -										
TOTAL MISO DAY 2 CHARGES			(537,202)	\$ (13,413,596.95)	399,732	\$ 10,544,279.25	(5,162)	\$ (406,287.49)	36,038	\$ 973,496.75	0	\$ -	0	\$ -										
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (66,977.96)		\$ 720.49																		
61	Congestion and Losses Adjustment			\$ 66,802.10																				
62	No DA generation sch., but still had output for current month			\$ (42,249.44)																				
63																								
64																								
65	Total for MN Energy Adjustment Rider			\$ (13,371,171.65)		\$ 10,543,558.76																		
66	Net Retail for MN Energy Adjustment Rider				\$ (2,827,612.89)																			
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)									\$ 567,209.26			\$ -											
69	Less: Fuel Cost								30,875	\$ 619,141.82			\$ -											
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									\$ 981.63			\$ -											
75																								
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ (52,914.19)			\$ -											

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
April 2021 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	(377,117)	\$ (5,918,073.02)	235,000	\$ 3,830,012.03	0	\$ -	730	\$ 17,383.33	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ (419.88)	4,375	\$ 78,013.65	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(11,270)	\$ 95,835.62	20,065	\$ 740,611.29	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(388,386)	\$ (5,822,657.28)	259,440	\$ 4,648,636.97	0	\$ -	730	\$ 17,383.33	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	\$ (14,795.54)	0	\$ 125,482.11	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (326,420.54)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (26,192.00)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (367,408.08)	0	\$ 125,482.11	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	\$ (56,406.55)	0	\$ -	0	\$ (64.90)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (9,698.98)	0	\$ 452.00	0	\$ (1,958.36)	0	\$ 131.79	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,386.40)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (68,491.93)	0	\$ 452.00	0	\$ (2,023.26)	0	\$ 131.79	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,151,194.08)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (403,954.15)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (387,952.47)	0	\$ 3,191,159.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 60,238.54	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	\$ (57,647.28)	0	\$ 165,422.88	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (165,422.88)	0	\$ 59,087.78	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (23,597.32)	0	\$ 418,586.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (418,799.28)	0	\$ 23,821.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (551.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 22,795.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (1,457,924.98)	0	\$ 2,789,918.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (8,080.30)	0	\$ -	0	\$ (918.90)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 5,730.17	0	\$ -	0	\$ 186.43	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (65,475.93)	0	\$ 73,228.79	0	\$ (7,446.84)	0	\$ 8,329.05	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (1,600.70)	0	\$ 14,118.43	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (11.25)	0	\$ 82,775.82	0	\$ (1.25)	0	\$ 9,414.97	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (73,567.48)	0	\$ 161,734.78	0	\$ (9,967.69)	0	\$ 32,048.88	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (853.36)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (8,578.10)	0	\$ 8,540.70	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (132,664.71)	0	\$ 30,043.69	0	\$ (15,089.02)	0	\$ 3,417.01	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	\$ (7,110.76)	0	\$ 4,351.57	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 1,426.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (173.38)	0	\$ 499.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (6,678.72)	0	\$ 0.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (156,059.03)	0	\$ 44,861.54	0	\$ (15,089.02)	0	\$ 3,417.01	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(37,472)	\$ (1,346,715.42)	21,551	\$ 130,029.58	(361)	\$ (317,159.57)	17,855	\$ 493,565.99	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(6)	\$ (61.11)	407	\$ 22.79	(283)	\$ (6,977.85)	12	\$ 233.58	0	\$ -	0	\$ -
53	SUBTOTAL		(37,478)	\$ (1,346,776.53)	21,958	\$ 130,052.37	(644)	\$ (324,137.42)	17,867	\$ 493,799.57	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
April 2021 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(425,865)	\$ (9,292,886.31)	281,397	\$ 7,901,137.80	(644)	\$ (351,217.39)	18,598	\$ 546,780.58	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (68,491.93)		\$ 452.00								
61	Congestion and Losses Adjustment			\$ 161,698.98										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (9,386,092.36)		\$ 7,900,685.80								
66	Net Retail for MN Energy Adjustment Rider				\$ (1,485,406.56)									
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)								\$ 195,563.19				\$ -	
69	Less: Fuel Cost							17,949	\$ 306,326.15				\$ -	
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								\$ 712.56				\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ (111,475.52)				\$ -	

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
May 2021 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	(322,181)	\$ (6,740,171.43)	199,110	\$ 4,295,731.00	0	\$ -	656	\$ 35,670.96	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,468	\$ 74,587.18	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(14,864)	\$ (205,789.67)	8,802	\$ 197,263.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(337,046)	\$ (6,945,961.10)	211,380	\$ 4,567,581.39	0	\$ -	656	\$ 35,670.96	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	\$ (5,918.38)	0	\$ 98,181.58	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (311,084.34)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 14,658.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (302,344.70)	0	\$ 98,181.58	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	\$ (51,350.46)	0	\$ -	0	\$ (66.06)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (7,707.30)	0	\$ 519.96	0	\$ (3,163.64)	0	\$ 1.52	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,919.68)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (60,977.44)	0	\$ 519.96	0	\$ (3,229.70)	0	\$ 1.52	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,497,593.61)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (47,495.51)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (272,181.54)	0	\$ 3,197,513.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 181,954.00	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	\$ (168,911.16)	0	\$ 112,328.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (112,328.10)	0	\$ 169,596.55	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (23,597.32)	0	\$ 418,586.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (418,799.28)	0	\$ 23,821.38	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (551.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 22,795.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (1,043,864.51)	0	\$ 2,629,001.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (11,574.30)	0	\$ 0.20	0	\$ (897.44)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 5,947.69	0	\$ -	0	\$ 66.01	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (27,031.13)	0	\$ 522.45	0	\$ (2,096.03)	0	\$ 40.34	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (0.35)	0	\$ 169,321.10	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (2.02)	0	\$ 76,440.46	0	\$ (0.11)	0	\$ 5,928.18	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (38,607.45)	0	\$ 82,910.80	0	\$ (2,993.93)	0	\$ 175,355.63	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (14.67)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (4,079.24)	0	\$ 6,497.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (115,367.68)	0	\$ 10,525.34	0	\$ (8,946.72)	0	\$ 816.15	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	\$ (4,929.07)	0	\$ 58.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 444.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (265.66)	0	\$ 202.80	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (7,311.45)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (131,967.77)	0	\$ 17,727.58	0	\$ (8,946.72)	0	\$ 816.15	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(36,326)	\$ (759,105.63)	9,609	\$ 115,573.45	(287)	\$ (14,480.18)	30,868	\$ 574,542.40	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(187)	\$ (2,762.49)	103	\$ 40.34	0	\$ -	0	\$ -	0	\$ -	0	\$ -
53	SUBTOTAL		(36,513)	\$ (761,868.12)	9,712	\$ 115,613.79	(287)	\$ (14,480.18)	30,868	\$ 574,542.40	0	\$ -	0	\$ -

Otter Tail Power Company Detail of MISO Day 2 Charges - System May 2021 includes any adjustments														
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
59	TOTAL MISO DAY 2 CHARGES		(373,559) \$	(9,285,591.09)	221,092		7,511,537.01	(287) \$	(29,650.53)	31,525		786,386.66	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(60,977.44)		\$	519.96							
61	Congestion and Losses Adjustment		\$	136,230.48										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(9,360,844.13)		\$	7,511,017.05							
66	Net Retail for MN Energy Adjustment Rider				\$	(1,849,827.08)								
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)								\$	756,736.13			\$	-
69	Less: Fuel Cost								31,234	\$	672,934.45			
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								\$	445.85			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	83,355.83			\$	-

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
June 2021 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	(392,344)	\$ (11,292,006.50)	332,822	\$ 9,715,190.05	0	\$ -	19,039	\$ 698,830.14	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,913	\$ 109,471.74	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(27,127)	\$ (376,309.78)	9,654	\$ 186,031.52	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(419,471)	\$ (11,668,316.28)	346,388	\$ 10,010,693.31	0	\$ -	19,039	\$ 698,830.14	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	\$ (10,116.39)	0	\$ 240,997.59	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (779,209.93)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 28,972.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (760,353.87)	0	\$ 240,997.59	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	\$ (60,889.85)	0	\$ -	0	\$ (1,628.47)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (9,467.56)	0	\$ 1,252.36	0	\$ (3,979.02)	0	\$ 1.42	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,272.40)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (72,629.81)	0	\$ 1,252.36	0	\$ (5,607.49)	0	\$ 1.42	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (3,120,198.99)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (459,190.93)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (1,283,518.49)	0	\$ 6,460,544.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 111,216.73	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	\$ (110,785.04)	0	\$ 136,202.33	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (136,202.33)	0	\$ 111,181.75	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (156,503.61)	0	\$ 2,449,979.28	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (2,431,574.99)	0	\$ 156,132.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (17,239.93)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 70,355.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (4,595,015.32)	0	\$ 6,375,412.63	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (7,223.19)	0	\$ 0.51	0	\$ (1,193.63)	0	\$ 0.03	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ (2.00)	0	\$ 9,510.64	0	\$ -	0	\$ 777.72	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (80,295.82)	0	\$ 768.27	0	\$ (13,270.56)	0	\$ 126.73	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (2.22)	0	\$ 121,974.65	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (2.83)	0	\$ 61,776.94	0	\$ (0.43)	0	\$ 10,210.15	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (87,523.84)	0	\$ 72,056.36	0	\$ (14,466.84)	0	\$ 133,089.28	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (2,582.09)	0	\$ 1,715.95	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (7,518.52)	0	\$ 8,173.37	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (129,930.05)	0	\$ 9,771.80	0	\$ (21,473.72)	0	\$ 1,614.82	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	\$ (14,100.48)	0	\$ 107.52	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 2,744.39	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (681.98)	0	\$ 551.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (8,855.12)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (163,668.24)	0	\$ 23,064.15	0	\$ (21,473.72)	0	\$ 1,614.82	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(66,932)	\$ (2,221,333.92)	10,353	\$ 546,888.61	(2,786)	\$ (66,036.62)	38,293	\$ 1,064,513.23	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(12)	\$ (1,021.43)	141	\$ 0.01	0	\$ (19.52)	24	\$ 302.36	0	\$ -	0	\$ -
53	SUBTOTAL		(66,944)	\$ (2,222,355.35)	10,494	\$ 546,888.62	(2,786)	\$ (66,056.14)	38,317	\$ 1,064,815.59	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
June 2021 includes any adjustments

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Charge Type Description	Acct	RETAIL			ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(486,415)	\$ (19,569,862.71)	356,882	\$ 17,270,365.02	(2,786)	\$ (107,604.19)	57,356	\$ 1,898,351.25	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (72,629.81)		\$ 1,252.36								
61	Congestion and Losses Adjustment			\$ 284,737.81										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (19,781,970.71)		\$ 17,269,112.66								
66	Net Retail for MN Energy Adjustment Rider					\$ (2,512,858.05)								
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)									\$ 1,790,747.06			\$ -	
69	Less: Fuel Cost							54,567	\$	1,298,661.32			\$ -	
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									845.94			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 491,239.80			\$ -	

		(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	(371,929)	\$ (12,373,630.59)	333,361	\$ 11,457,933.71	0	\$ -	30,713	\$ 1,187,656.87	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,831	\$ 129,096.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(14,853)	\$ (190,432.46)	16,982	\$ 534,715.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(386,782)	\$ (12,564,063.05)	354,174	\$ 12,121,745.05	0	\$ -	30,713	\$ 1,187,656.87	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	\$ (9,868.22)	0	\$ 283,726.77	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (827,191.45)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 26,354.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (810,705.22)	0	\$ 283,726.77	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	\$ (48,584.57)	0	\$ -	0	\$ (2,089.21)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (7,553.87)	0	\$ 160.04	0	\$ (3,075.71)	0	\$ -	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,430.24)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (58,568.68)	0	\$ 160.04	0	\$ (5,164.92)	0	\$ -	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,825,696.22)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (278,690.84)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (246,385.29)	0	\$ 2,382,549.44	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 114,466.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (114,454.97)	0	\$ 12,168.97	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (12,168.97)	0	\$ 114,454.97	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (156,503.61)	0	\$ 2,449,979.28	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (2,431,574.99)	0	\$ 156,132.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (17,239.93)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 70,355.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (3,257,018.60)	0	\$ 3,474,409.70	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (7,794.73)	0	\$ -	0	\$ (1,442.28)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 140.39	0	\$ -	0	\$ -	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (153,528.67)	0	\$ 1,181.50	0	\$ (28,411.02)	0	\$ 218.44	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (207.02)	0	\$ 269,133.53	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 30,346.99	0	\$ -	0	\$ 5,615.92	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (161,323.40)	0	\$ 31,668.88	0	\$ (30,060.32)	0	\$ 274,967.89	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (6.96)	0	\$ 675.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (6,019.75)	0	\$ 14,057.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (49,525.09)	0	\$ 9,522.06	0	\$ (9,164.60)	0	\$ 1,761.87	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	\$ (19,501.62)	0	\$ 25.09	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 559.80	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (180.70)	0	\$ 1,155.48	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (8,703.24)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (83,937.36)	0	\$ 25,995.55	0	\$ (9,164.60)	0	\$ 1,761.87	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(60,931)	\$ (2,090,684.08)	10,846	\$ 124,305.49	(2,469)	\$ (104,197.07)	39,136	\$ 1,134,525.10	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(51)	\$ (719.13)	148	\$ 349.77	0	\$ -	40	\$ 1,155.05	0	\$ -	0	\$ -
53	SUBTOTAL		(60,983)	\$ (2,091,403.21)	10,994	\$ 124,655.26	(2,469)	\$ (104,197.07)	39,176	\$ 1,135,680.15	0	\$ -	0	\$ -

Otter Tail Power Company														
Detail of MISO Day 2 Charges - System														
July 2021 includes any adjustments														
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE				
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
59	TOTAL MISO DAY 2 CHARGES		(447,764) \$	(19,027,019.52)	365,168	\$	16,062,361.25	(2,469) \$	(148,586.91)	69,889	\$	2,600,066.78	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(58,568.68)		\$	160.04							
61	Congestion and Losses Adjustment		\$	(37.05)										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(18,968,413.79)		\$	16,062,201.21							
66	Net Retail for MN Energy Adjustment Rider				\$	(2,906,212.58)								
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							67,335	\$	2,451,479.87			\$	-
70	Less: Misc Cost Adjustment								\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72	Plus: Bilateral Sales												\$	-
73	Less: Bilateral Purchases												\$	-
74	Less: Schedule 24 for Asset Based Sales									827.62			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	323,574.65			\$	-

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
August 2021 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	(394,362)	\$ (14,066,859.42)	343,518	\$ 12,400,332.61	0	\$ -	27,294	\$ 1,266,802.07	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,258	\$ 160,721.81	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(15,900)	\$ (351,869.56)	20,352	\$ 666,272.44	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(410,263)	\$ (14,418,728.98)	368,128	\$ 13,227,326.86	0	\$ -	27,294	\$ 1,266,802.07	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	\$ (18,823.92)	0	\$ 333,207.37	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (906,331.01)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ 20,343.34	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (904,811.59)	0	\$ 333,207.37	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	\$ (51,385.31)	0	\$ -	0	\$ (1,912.37)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (8,179.88)	0	\$ 360.93	0	\$ (2,597.92)	0	\$ 1.23	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,428.64)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (61,993.83)	0	\$ 360.93	0	\$ (4,510.29)	0	\$ 1.23	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (2,754,663.09)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (260,114.21)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (831,564.27)	0	\$ 4,112,844.34	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 26,484.85	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	\$ (26,484.85)	0	\$ 118,688.56	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (118,688.56)	0	\$ 26,484.85	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (156,503.61)	0	\$ 2,449,979.28	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (2,431,574.99)	0	\$ 156,132.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (17,239.93)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 70,355.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (3,842,170.42)	0	\$ 4,206,305.82	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (8,362.37)	0	\$ 38.44	0	\$ (1,072.70)	0	\$ 4.89	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 16,473.69	0	\$ -	0	\$ 11,479.10	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (99,753.35)	0	\$ 3,700.87	0	\$ (12,797.81)	0	\$ 474.66	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (2,344.38)	0	\$ 80,785.12	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (3.98)	0	\$ 56,676.41	0	\$ (0.50)	0	\$ 7,271.48	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (108,119.70)	0	\$ 76,889.41	0	\$ (16,215.39)	0	\$ 100,015.25	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ -	0	\$ 841.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (10,539.99)	0	\$ 9,191.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (69,855.53)	0	\$ 52,988.50	0	\$ (8,962.03)	0	\$ 6,798.07	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (23,362.35)	0	\$ 97.27	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 2,340.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (41.85)	0	\$ 1,975.27	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (7,773.12)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (111,572.84)	0	\$ 67,434.25	0	\$ (8,962.03)	0	\$ 6,798.07	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(64,317)	\$ (1,895,254.12)	10,278	\$ 246,325.02	(6,454)	\$ (138,581.89)	25,503	\$ 764,615.43	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(63)	\$ (4,174.89)	170	\$ 421.12	0	\$ -	18	\$ 354.85	0	\$ -	0	\$ -
53	SUBTOTAL		(64,380)	\$ (1,899,429.01)	10,449	\$ 246,746.14	(6,454)	\$ (138,581.89)	25,520	\$ 764,970.28	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
August 2021 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(474,643)	\$ (21,346,826.37)	378,576	\$ 18,158,270.78	(6,454)	\$ (168,269.60)	52,814	\$ 2,138,586.90	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (61,993.83)		\$ 360.93								
61	Congestion and Losses Adjustment			\$ (30,471.64)										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (21,254,360.90)		\$ 18,157,909.85								
66	Net Retail for MN Energy Adjustment Rider				\$ (3,096,451.05)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)									\$ 1,970,317.30				\$ -
69	Less: Fuel Cost								46,217	\$ 1,411,825.87				
70	Less: Misc Cost Adjustment									\$ -				\$ -
71	Plus: Capacity Revenue													\$ -
72	Plus: Bilateral Sales													\$ -
73	Less: Bilateral Purchases													\$ -
74	Less: Schedule 24 for Asset Based Sales									713.92				\$ -
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE									\$ 557,777.51				\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
September 2021 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	(321,880)	\$ (10,048,859.64)	292,495	\$ 8,958,423.53	0	\$ (29,911.31)	44,717	\$ 1,384,742.53	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,913	\$ 134,645.88	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(24,614)	\$ (509,718.37)	44,464	\$ 1,509,316.01	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(346,494)	\$ (10,558,578.01)	340,871	\$ 10,602,385.42	0	\$ (29,911.31)	44,717	\$ 1,384,742.53	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	\$ (33,258.49)	0	\$ 254,228.56	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (706,051.00)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (35,415.07)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (774,724.56)	0	\$ 254,228.56	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	\$ (47,854.39)	0	\$ -	0	\$ (3,446.26)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (9,234.74)	0	\$ 821.64	0	\$ (2,861.98)	0	\$ 415.82	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,089.92)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (59,179.05)	0	\$ 821.64	0	\$ (6,308.24)	0	\$ 415.82	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,762,901.22)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (339,708.77)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (569,984.74)	0	\$ 4,068,355.46	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 126,711.76	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	\$ (118,344.59)	0	\$ 246,840.95	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (246,840.95)	0	\$ 118,344.59	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (144,863.64)	0	\$ 1,667,945.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (1,656,529.84)	0	\$ 144,982.74	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (18,656.65)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 93,475.47	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (3,094,929.18)	0	\$ 4,703,755.58	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (9,865.19)	0	\$ 114.76	0	\$ (1,504.96)	0	\$ 17.48	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 1,566.51	0	\$ -	0	\$ 7,099.84	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (81,895.64)	0	\$ 16,770.96	0	\$ (12,494.54)	0	\$ 2,558.51	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (41,036.99)	0	\$ 28,631.11	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (24.11)	0	\$ 35,807.73	0	\$ (3.65)	0	\$ 5,463.18	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (91,784.94)	0	\$ 54,259.96	0	\$ (55,040.14)	0	\$ 43,770.12	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (504.20)	0	\$ 2,613.48	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (15,835.32)	0	\$ 18,408.71	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (118,040.36)	0	\$ 5,585.53	0	\$ (18,009.12)	0	\$ 852.02	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (23,002.55)	0	\$ 937.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 452.51	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (170.21)	0	\$ 996.74	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (7,667.98)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (165,220.62)	0	\$ 28,994.11	0	\$ (18,009.12)	0	\$ 852.02	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(39,587)	\$ (1,269,751.56)	23,333	\$ 347,901.12	(12,758)	\$ (322,457.29)	27,290	\$ 749,469.93	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(233)	\$ (4,551.56)	233	\$ 2,782.33	(14)	\$ (851.52)	61	\$ 662.40	0	\$ -	0	\$ -
53	SUBTOTAL		(39,821)	\$ (1,274,303.12)	23,566	\$ 350,683.45	(12,772)	\$ (323,308.81)	27,351	\$ 750,132.33	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
September 2021 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(386,314)	\$ (16,018,719.48)	364,438	\$ 15,995,128.72	(12,772)	\$ (432,577.62)	72,068	\$ 2,179,912.82	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (59,179.05)		\$ 821.64								
61	Congestion and Losses Adjustment			\$ 139,552.75										
62	No DA generation sch., but still had output for current month			\$ (6,075.56)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (16,093,017.62)		\$ 15,994,307.08								
66	Net Retail for MN Energy Adjustment Rider				\$ (98,710.54)									
67	Retail MWh include losses of 2.8%													
ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS														
68	NET MISO (Rev-Cost and MWh)								\$ 1,747,335.20				\$ -	
69	Less: Fuel Cost							59,054	\$ 1,553,262.68					
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									954.57			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 193,117.95				\$ -	

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
October 2021 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	(322,388)	\$ (13,821,678.30)	221,106	\$ 9,128,549.35	0	\$ -	4,396	\$ 282,773.67	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	3,680	\$ 158,806.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(33,013)	\$ (720,150.16)	24,539	\$ 970,187.88	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	(8)	\$ (347.45)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(355,409)	\$ (14,542,175.91)	249,326	\$ 10,257,543.23	0	\$ -	4,396	\$ 282,773.67	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	\$ (14,391.24)	0	\$ 242,941.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (630,343.40)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (108,088.81)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (752,823.45)	0	\$ 242,941.22	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	\$ (43,660.46)	0	\$ -	0	\$ (360.53)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (8,065.00)	0	\$ 1,172.12	0	\$ (1,892.16)	0	\$ 284.17	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (1,157.52)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (52,882.98)	0	\$ 1,172.12	0	\$ (2,252.69)	0	\$ 284.17	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (1,093,732.14)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (535,216.20)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (309,314.19)	0	\$ 1,899,625.97	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 93,261.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ 2,157,683.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (93,218.96)	0	\$ 100,491.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (100,491.22)	0	\$ 75,294.58	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (144,863.64)	0	\$ 1,667,945.83	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (1,656,529.84)	0	\$ 144,982.74	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (18,656.65)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 93,475.47	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (2,858,290.70)	0	\$ 5,139,028.14	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (15,629.02)	0	\$ -	0	\$ (761.89)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 14,368.22	0	\$ -	0	\$ 709.76	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (105,358.07)	0	\$ 24,989.72	0	\$ (5,136.86)	0	\$ 1,218.36	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (15,345.97)	0	\$ 243,029.90	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (2,704.99)	0	\$ 13,507.30	0	\$ (131.78)	0	\$ 658.53	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (123,692.08)	0	\$ 52,865.24	0	\$ (21,376.50)	0	\$ 245,616.55	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (582.74)	0	\$ 4,980.46	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (2,623.69)	0	\$ 10,103.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (136,996.91)	0	\$ 10,363.49	0	\$ (6,679.60)	0	\$ 505.11	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	\$ (54,902.14)	0	\$ 1,286.79	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 5,062.89	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (711.17)	0	\$ 2,980.77	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (7,528.42)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (203,345.07)	0	\$ 34,778.09	0	\$ (6,679.60)	0	\$ 505.11	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(35,107)	\$ (1,653,075.70)	22,050	\$ 456,347.52	(2,775)	\$ (143,970.60)	15,608	\$ 562,069.68	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(106)	\$ (2,286.67)	123	\$ 153.22	0	\$ (252.35)	48	\$ 24.86	0	\$ -	0	\$ -
53	SUBTOTAL		(35,213)	\$ (1,655,362.37)	22,173	\$ 456,500.74	(2,775)	\$ (144,222.95)	15,657	\$ 562,094.54	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
October 2021 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(390,622)	\$ (20,188,572.56)	271,499	\$ 16,184,828.78	(2,775)	\$ (174,531.74)	20,053	\$ 1,091,274.04	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (52,882.98)		\$ 1,172.12								
61	Congestion and Losses Adjustment			\$ 108,107.49										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (20,243,797.07)		\$ 16,183,656.66								
66	Net Retail for MN Energy Adjustment Rider				\$ (4,060,140.41)									
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)								\$ 916,742.30				\$ -	
69	Less: Fuel Cost							17,028	\$ 757,290.77				\$ -	
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									\$ 321.15			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 159,130.38				\$ -	

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
November 2021 includes any adjustments

No.	Charge Type Description	(A) Acct	(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
			RETAIL								ASSET BASED WHOLESALE								NON ASSET BASED WHOLESALE							
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1	Day Ahead & Real Time Energy																									
1	DA Asset Energy Amount	555.02	(427.093)	\$ (21,326,399.75)	291,804	\$ 14,385,478.15					0	\$ -	1,568	\$ 92,586.50					0	\$ -			0	\$ -		
2	DA Non-asset Energy Amount	555.09	0	\$ -	4,584	\$ 191,233.71					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
3	RT Asset Energy Amount	555.19	(43.937)	\$ (1,950,277.10)	7,585	\$ 324,708.87					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
5	SUBTOTAL		(471,030)	\$ (23,276,676.85)	303,972	\$ 14,901,420.73					0	\$ -	1,568	\$ 92,586.50					0	\$ -			0	\$ -		
6	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	\$ (15,008.95)	0	\$ 292,745.08					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
9	DA Loss Amount		0	\$ (1,006,629.48)	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
10	RT Loss Amount		0	\$ (39,005.21)	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
12	SUBTOTAL		0	\$ (1,060,643.64)	0	\$ 292,745.08					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
13	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	\$ -		
16	Schedules 16 & 17																									
16	DA Mkt Admin Amount	555.01	0	\$ (58,897.09)	0	\$ -					0	\$ (131.40)	0	\$ -					0	\$ -			0	\$ -		
17	RT Mkt Admin Amount	555.18	0	\$ (9,887.93)	0	\$ 957.38					0	\$ (1,059.23)	0	\$ 366.28					0	\$ -			0	\$ -		
18	FTR Mkt Admin Amount	555.13	0	\$ (1,445.76)	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
19	SUBTOTAL		0	\$ (70,230.78)	0	\$ 957.38					0	\$ (1,190.63)	0	\$ 366.28					0	\$ -			0	\$ -		
20	Congestion & FTRs																									
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
21	DA Congestion		0	\$ -	0	\$ (3,266,890.87)					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
23	RT Congestion		0	\$ (107,160.77)	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
24	FTR Hourly Allocation Amount	555.14	0	\$ (661,728.72)	0	\$ 6,018,821.41					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 16,984.72					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	\$ (13,065.49)	0	\$ 287,474.94					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
29	FTR Guarantee Uplift Amount	555.37	0	\$ (287,474.94)	0	\$ 8,562.97					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (144,863.64)	0	\$ 1,667,945.83					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
31	FTR Annual Transaction Amount	555.38	0	\$ (1,656,529.84)	0	\$ 144,982.74					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (18,656.65)	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 93,475.47					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
35	SUBTOTAL		0	\$ (2,889,480.05)	0	\$ 4,971,357.21					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
36	RSG & Make Whole Payments																									
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (23,876.82)	0	\$ -					0	\$ (1,068.83)	0	\$ -					0	\$ -			0	\$ -		
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 1,309.57					0	\$ -	0	\$ 0.87					0	\$ -			0	\$ -		
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (56,259.98)	0	\$ 6,666.75					0	\$ (2,518.37)	0	\$ 298.39					0	\$ -			0	\$ -		
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -					0	\$ (39.67)	0	\$ 75,860.81					0	\$ -			0	\$ -		
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (222.31)	0	\$ 43,349.94					0	\$ (9.85)	0	\$ 1,940.77					0	\$ -			0	\$ -		
41	SUBTOTAL		0	\$ (80,359.11)	0	\$ 51,326.26					0	\$ (3,636.72)	0	\$ 78,100.84					0	\$ -			0	\$ -		
42	RNU & Misc Charges																									
42	RT Misc Amount	555.25	0	\$ -	0	\$ 0.23					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
43	RT Net Inadvertent Amount	555.27	0	\$ (3,344.18)	0	\$ 15,925.04					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (416,279.90)	0	\$ 4,152.50					0	\$ (18,636.85)	0	\$ 185.77					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	\$ (59,420.80)	0	\$ 3,761.14					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
47	DA Ramp Product	555.63	0	\$ -	0	\$ 215.31					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
48	RT Ramp Product	555.64	0	\$ (91.90)	0	\$ 937.79					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (5,145.61)	0	\$ -					0	\$ -	0	\$ -					0	\$ -			0	\$ -		
50	SUBTOTAL		0	\$ (484,282.39)	0	\$ 24,992.01					0	\$ (18,636.85)	0	\$ 185.77					0	\$ -			0	\$ -		
51	ASM Charges																									
51	RT ASM Non-Excessive Energy Amount	555.55	(52,151)	\$ (2,444,505.35)	17,578	\$ 512,525.34					(358)	\$ (50,817.05)	13,157	\$ 555,611.54					0	\$ -			0	\$ -		
52	RT ASM Excessive Energy Amount	555.56	(29)	\$ (5,571.96)	468	\$ 964.07					(32)	\$ (160.55)	0	\$ 17.52					0	\$ -			0	\$ -		
53	SUBTOTAL		(52,181)	\$ (2,450,077.31)	18,046	\$ 513,489.41					(390)	\$ (50,977.60)	13,157	\$ 555,629.06					0	\$ -			0	\$ -		

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
November 2021 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
Grandfathered Charge Types														
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(523,211)	\$ (30,311,750.13)	322,018	\$ 20,756,288.08	(390)	\$ (74,441.80)	14,725	\$ 726,868.45	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (70,230.78)		\$ 957.38								
61	Congestion and Losses Adjustment			\$ 49,025.70										
62	No DA generation sch., but still had output for current month			\$ (36,883.29)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (30,253,661.76)		\$ 20,755,330.70								
66	Net Retail for MN Energy Adjustment Rider				\$ (9,498,331.06)									
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)								\$ 652,426.65				\$ -	
69	Less: Fuel Cost							14,325	\$ 624,056.55					
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales									123.99			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 28,246.11				\$ -	

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
December 2021 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	(536,056)	\$ (26,658,500.09)	315,738	\$ 14,957,671.63	0	\$ -	11,753	\$ 535,127.07	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	5,382	\$ 159,595.60	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(51,051)	\$ (972,533.79)	26,404	\$ 1,455,887.40	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(587,107)	\$ (27,631,033.88)	347,523	\$ 16,573,154.63	0	\$ -	11,753	\$ 535,127.07	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	\$ (38,286.46)	0	\$ 455,939.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (823,512.55)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (214,925.10)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (1,076,724.11)	0	\$ 455,939.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Virtual Energy														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
15	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
Schedules 16 & 17														
16	DA Mkt Admin Amount	555.01	0	\$ (72,896.15)	0	\$ -	0	\$ (1,036.46)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (11,973.21)	0	\$ 1,346.62	0	\$ (2,453.92)	0	\$ 4.86	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (2,230.56)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (87,099.92)	0	\$ 1,346.62	0	\$ (3,490.38)	0	\$ 4.86	0	\$ -	0	\$ -
Congestion & FTRs														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (5,318,811.11)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (789,431.50)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (542,772.93)	0	\$ 10,929,849.19	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 181,939.93	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	\$ (171,703.50)	0	\$ 351,959.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (351,959.10)	0	\$ 140,649.69	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (79,448.56)	0	\$ 1,562,455.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (1,559,600.34)	0	\$ 79,415.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (7,375.79)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 66,453.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (3,502,291.72)	0	\$ 7,993,910.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -
RSG & Make Whole Payments														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (14,137.42)	0	\$ -	0	\$ (1,075.04)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 6,644.76	0	\$ -	0	\$ 603.40	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (33,503.47)	0	\$ 8,596.06	0	\$ (2,547.73)	0	\$ 653.58	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (173.41)	0	\$ 14,824.99	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (388.40)	0	\$ 43,915.97	0	\$ (29.52)	0	\$ 3,340.05	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (48,029.29)	0	\$ 59,156.79	0	\$ (3,825.70)	0	\$ 19,422.02	0	\$ -	0	\$ -
RNU & Misc Charges														
42	RT Misc Amount	555.25	0	\$ (1,128.06)	0	\$ 153.47	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (14,437.72)	0	\$ 24,148.67	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (172,337.10)	0	\$ 5,274.69	0	\$ (13,106.90)	0	\$ 401.05	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	\$ (48,438.87)	0	\$ 312.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 6,554.39	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (1,360.84)	0	\$ 2,377.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (7,159.89)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (244,862.48)	0	\$ 38,821.02	0	\$ (13,106.90)	0	\$ 401.05	0	\$ -	0	\$ -
ASM Charges														
51	RT ASM Non-Excessive Energy Amount	555.55	(43,341)	\$ (2,074,330.75)	25,399	\$ 680,887.75	(3,240)	\$ (65,986.22)	20,681	\$ 810,190.09	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(234)	\$ (12,499.67)	375	\$ 1,012.36	0	\$ (43.93)	32	\$ 119.82	0	\$ -	0	\$ -
53	SUBTOTAL		(43,576)	\$ (2,086,830.42)	25,775	\$ 681,900.11	(3,240)	\$ (66,030.15)	20,713	\$ 810,309.91	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
December 2021 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(630,682)	\$ (34,676,871.82)	373,298	\$ 25,804,228.43	(3,240)	\$ (86,453.13)	32,465	\$ 1,365,264.91	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (87,099.92)		\$ 1,346.62								
61	Congestion and Losses Adjustment			\$ 226,540.73										
62	No DA generation sch., but still had output for current month			\$ -										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (34,816,312.63)		\$ 25,802,881.81								
66	Net Retail for MN Energy Adjustment Rider				\$ (9,013,430.82)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS													
68	NET MISO (Rev-Cost and MWh)								\$ 1,278,811.78				\$ -	
69	Less: Fuel Cost							29,125	\$ 720,028.68					
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									\$ 498.58			\$ -	
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 558,284.52				\$ -	

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
Year to Date 2021 includes any adjustments

No.	Charge Type Description	(A) Acct	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
			RETAIL		MWh	Revenue	ASSET BASED WHOLESALE		MWh	Revenue	NON ASSET BASED WHOLESALE		MWh	Revenue
			MWh	Cost			MWh	Cost			MWh	Cost		
1	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(4,837,162)	\$ (173,186,324.58)	3,613,979	\$ 128,609,055.58	0	\$ (29,911.31)	152,606	\$ 6,616,059.37	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ (419.88)	52,284	\$ 1,843,301.16	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(312,275)	\$ (8,194,173.83)	245,610	\$ 8,431,637.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	(16)	\$ (671.23)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SUBTOTAL		(5,149,453)	\$ (181,381,589.52)	3,911,874	\$ 138,883,993.74	0	\$ (29,911.31)	152,606	\$ 6,616,059.37	0	\$ -	0	\$ -
6	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	\$ (187,949.44)	0	\$ 3,233,395.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (8,944,691.31)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	RT Loss Amount		0	\$ (323,548.98)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	SUBTOTAL		0	\$ (9,456,189.73)	0	\$ 3,233,395.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -
13	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	\$ -
16	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0	\$ (679,114.85)	0	\$ -	0	\$ (11,684.49)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (107,124.88)	0	\$ 10,823.73	0	\$ (29,916.72)	0	\$ 1,521.70	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (24,907.84)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	SUBTOTAL		0	\$ (811,147.57)	0	\$ 10,823.73	0	\$ (41,601.21)	0	\$ 1,521.70	0	\$ -	0	\$ -
20	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ (26,685,318.80)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		0	\$ (2,383,598.85)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
24	FTR Hourly Allocation Amount	555.14	0	\$ (5,533,631.14)	0	\$ 47,387,972.68	0	\$ -	0	\$ -	0	\$ -	0	\$ -
25	FTR Monthly Allocation Amount	555.15	0	\$ (6.87)	0	\$ 1,061,914.82	0	\$ -	0	\$ -	0	\$ -	0	\$ -
26	FTR Yearly Allocation Amount	555.17	0	\$ (4.85)	0	\$ 50,976.75	0	\$ -	0	\$ -	0	\$ -	0	\$ -
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ 2,253,290.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,064,599.53)	0	\$ 1,804,118.76	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (1,804,152.66)	0	\$ 996,838.10	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (1,092,730.25)	0	\$ 15,989,361.78	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	FTR Annual Transaction Amount	555.38	0	\$ (15,890,283.71)	0	\$ 1,094,268.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (121,069.59)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 673,980.53	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	SUBTOTAL		0	\$ (27,890,077.45)	0	\$ 44,627,403.15	0	\$ -	0	\$ -	0	\$ -	0	\$ -
36	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (174,447.00)	0	\$ 8,838.91	0	\$ (16,008.92)	0	\$ 1,297.03	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ (2.00)	0	\$ 76,739.47	0	\$ -	0	\$ 21,313.11	0	\$ -	0	\$ -
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (1,291,593.63)	0	\$ 144,108.87	0	\$ (138,090.98)	0	\$ 14,946.02	0	\$ -	0	\$ -
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (60,752.43)	0	\$ 1,064,157.55	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (3,360.24)	0	\$ 548,192.42	0	\$ (177.14)	0	\$ 58,565.66	0	\$ -	0	\$ -
41	SUBTOTAL		0	\$ (1,469,402.87)	0	\$ 777,879.67	0	\$ (215,029.47)	0	\$ 1,160,279.37	0	\$ -	0	\$ -
42	RNU & Misc Charges													
42	RT Misc Amount	555.25	0	\$ (6,429.73)	0	\$ 11,305.91	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (86,963.87)	0	\$ 126,927.56	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (1,830,994.00)	0	\$ 674,455.28	0	\$ (170,458.56)	0	\$ 65,068.71	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	\$ (369,707.94)	0	\$ 12,235.43	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 20,846.54	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (4,213.97)	0	\$ 12,417.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (81,264.81)	0	\$ 1.71	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	SUBTOTAL		0	\$ (2,379,574.32)	0	\$ 858,189.74	0	\$ (170,458.56)	0	\$ 65,068.71	0	\$ -	0	\$ -
51	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(603,265)	\$ (20,396,485.81)	186,319	\$ 5,200,170.37	(39,940)	\$ (1,715,690.21)	303,991	\$ 9,923,337.44	0	\$ -	0	\$ -
52	RT ASM Excessive Energy Amount	555.56	(1,000)	\$ (34,207.81)	2,349	\$ 6,273.83	(329)	\$ (8,305.72)	592	\$ 11,120.80	0	\$ -	0	\$ -
53	SUBTOTAL		(604,266)	\$ (20,430,693.62)	188,667	\$ 5,206,444.20	(40,269)	\$ (1,723,995.93)	304,583	\$ 9,934,458.24	0	\$ -	0	\$ -

Otter Tail Power Company
Detail of MISO Day 2 Charges - System
Year to Date 2021 includes any adjustments

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
	Charge Type Description	Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
55	DA Losses Rebate on COGA	555.06	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
56	RT Congestion Rebate on COGA	555.22	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
57	RT Loss Rebate on COGA	555.23	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
58	SUBTOTAL		0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
59	TOTAL MISO DAY 2 CHARGES		(5,753,719)	\$ (243,818,675.08)	4,100,541	\$ 193,598,129.76	(40,269)	\$ (2,180,996.48)	457,189	\$ 17,777,387.39	0	\$ -	0	\$ -
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$ (811,147.57)		\$ 10,823.73								
61	Congestion and Losses Adjustment			\$ 1,153,256.99										
62	No DA generation sch., but still had output for current month			\$ (85,208.29)										
63														
64														
65	Total for MN Energy Adjustment Rider			\$ (244,075,576.21)		\$ 193,587,306.03								
66	Net Retail for MN Energy Adjustment Rider				\$ (50,488,270.18)									
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)								\$ 15,596,390.91				\$ -	
69	Less: Fuel Cost							416,066	\$ 11,469,285.59					
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales												\$ -	
75									\$ 7,195.10					
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$ 4,119,910.22				\$ -	

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System January 2021 includes any adjustments (Revenue) Expense									
		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
	Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 5,994.82	\$ -	\$ (116.00)	\$ 5,878.82	382	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 5,994.82	\$ -	\$ (116.00)	\$ 5,878.82	382		
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 364.78	\$ -	\$ 0.42	\$ 365.20	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 364.78	\$ -	\$ 0.42	\$ 365.20			
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 39.60	\$ (20.86)	\$ (11.49)	\$ 7.25	-	-	-
11	TOTAL		\$ 39.60	\$ (20.86)	\$ (11.49)	\$ 7.25			
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 27.10	\$ -	\$ (1.01)	\$ 26.09	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 55.35	\$ -	\$ (1.92)	\$ 53.43	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 42.89	\$ -	\$ (1.54)	\$ 41.35	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 2.00	\$ -	\$ (0.07)	\$ 1.93	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (10,891.56)	\$ 55.93	\$ (10,835.63)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ -	\$ -	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ -	\$ -	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 5,924.01	\$ (122,096.24)	\$ -	\$ (116,172.23)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 607.72	\$ (22,641.85)	\$ -	\$ (22,034.13)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 58.45	\$ 58.45	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 6.80	\$ -	\$ -	\$ 6.80	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 35.66	\$ -	\$ -	\$ 35.66	-	-	-
30	TOTAL		\$ 6,701.53	\$ (155,629.65)	\$ 109.84	\$ (148,818.28)			
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 29.39	\$ (0.19)	\$ (0.73)	\$ 28.47	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 29.39	\$ (0.21)	\$ (0.73)	\$ 28.45			
35	TOTAL SPP CHARGES		\$ 13,130.12	\$ (155,650.72)	\$ (17.96)	\$ (142,538.56)	382		
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (142,538.56)					
37	Net KWH for retail = ((F) + (G)) * 1,000							382,344	
38	January 2021 covers time period of 12/25/2020 - 01/21/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (142,520.60)	382,344					
41	Total SPP		\$ (17.96)	-					
			\$ (142,538.56)	382,344					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System February 2021 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	\$ 102.93	\$ -	\$ (342.22)	\$ (239.29)	7	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 102.93	\$ -	\$ (342.22)	\$ (239.29)	7	-	-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 7.39	\$ -	\$ (5.29)	\$ 2.10	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 7.39	\$ -	\$ (5.29)	\$ 2.10	-	-	-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 0.32	\$ -	\$ (4.30)	\$ (3.98)	-	-	-
11	TOTAL		\$ 0.32	\$ -	\$ (4.30)	\$ (3.98)	-	-	-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.31	\$ -	\$ (0.31)	\$ -	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.58	\$ -	\$ (1.51)	\$ (0.93)	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 0.50	\$ -	\$ (1.37)	\$ (0.87)	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.01	\$ -	\$ (0.15)	\$ (0.14)	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (483,613.03)	\$ (272.26)	\$ (483,885.29)	-	-	-
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	\$ 144,240.13	\$ (187,582.26)	\$ -	\$ (43,342.13)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 71,858.69	\$ (377,184.34)	\$ -	\$ (305,325.65)	-	-	-
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	\$ 0.19	\$ -	\$ (0.01)	\$ 0.18	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 0.91	\$ -	\$ (0.07)	\$ 0.84	-	-	-
30	TOTAL		\$ 216,101.32	\$ (1,048,379.63)	\$ (275.68)	\$ (832,553.99)	-	-	-
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.30	\$ -	\$ (1.16)	\$ (0.86)	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.11)	\$ -	\$ (0.11)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 0.30	\$ (0.11)	\$ (1.16)	\$ (0.97)	-	-	-
35	TOTAL SPP CHARGES		\$ 216,212.26	\$ (1,048,379.74)	\$ (628.65)	\$ (832,796.13)	7	-	-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (832,796.13)					
37	Net KWH for retail = ((F) + (G)) * 1,000							7,145	
38	February 2021 covers time period of 1/22/2021 - 02/18/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		\$ (832,167.48)	7,145					
40	Adjustments		\$ (628.65)	-					
41	Total SPP		\$ (832,796.13)	7,145					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System March 2021 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	\$ -	\$ (223.63)	\$ (86.71)	\$ (310.34)	-	-	(42)
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ (223.63)	\$ (86.71)	\$ (310.34)	-	-	(42)
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 19.50	\$ -	\$ 1.21	\$ 20.71	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 19.50	\$ -	\$ 1.21	\$ 20.71	-	-	-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 20.20	\$ -	\$ 2.99	\$ 23.19	-	-	-
11	TOTAL		\$ 20.20	\$ -	\$ 2.99	\$ 23.19	-	-	-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 3.10	\$ -	\$ (0.34)	\$ 2.76	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 7.42	\$ -	\$ (0.60)	\$ 6.82	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.92	\$ -	\$ (0.48)	\$ 4.44	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.47	\$ -	\$ (0.02)	\$ 0.45	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (43,748.61)	\$ (87.90)	\$ (43,836.51)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 1.68	\$ -	\$ -	\$ 1.68	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.26)	\$ -	\$ (0.26)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.11)	\$ -	\$ (0.11)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 27,162.79	\$ (196,754.41)	\$ 4.06	\$ (169,587.56)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 249.41	\$ (25,204.70)	\$ (0.31)	\$ (24,955.60)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 57.92	\$ 57.92	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 1.06	\$ -	\$ (0.18)	\$ 0.88	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 5.36	\$ -	\$ (0.61)	\$ 4.75	-	-	-
30	TOTAL		\$ 27,436.21	\$ (265,708.09)	\$ (28.46)	\$ (238,300.34)	-	-	-
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 3.18	\$ -	\$ (0.34)	\$ 2.84	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 3.18	\$ -	\$ (0.34)	\$ 2.84	-	-	-
35	TOTAL SPP CHARGES		\$ 27,479.09	\$ (265,931.72)	\$ (111.31)	\$ (238,563.94)	-	-	(42)
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (238,563.94)					
37	Net KWH for retail = ((F) + (G)) * 1,000								(42,117)
38	March 2021 covers time period of 02/19/2021 - 03/23/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (238,452.63)	(42,117)					
41	Total SPP		\$ (111.31)	-					
			\$ (238,563.94)	(42,117)					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System April 2021 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	\$ 25.76	\$ -	\$ (0.67)	\$ 25.09	88	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 25.76	\$ -	\$ (0.67)	\$ 25.09	88		-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 62.20	\$ -	\$ (0.03)	\$ 62.17	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 62.20	\$ -	\$ (0.03)	\$ 62.17			-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ (5.84)	\$ 0.38	\$ (5.46)	-	-	-
11	TOTAL		\$ -	\$ (5.84)	\$ 0.38	\$ (5.46)			-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 5.88	\$ -	\$ -	\$ 5.88	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 32.48	\$ -	\$ 0.01	\$ 32.49	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 12.15	\$ -	\$ (0.01)	\$ 12.14	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.92	\$ -	\$ -	\$ 0.92	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 28.85	\$ (6,625.28)	\$ (4,579.38)	\$ (11,175.81)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 2.88	\$ -	\$ -	\$ 2.88	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (1.00)	\$ -	\$ (1.00)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.32	\$ -	\$ -	\$ 0.32	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 7,265.49	\$ (163,910.30)	\$ -	\$ (156,644.81)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 3,045.30	\$ (10,178.69)	\$ -	\$ (7,133.39)	-	-	-
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	\$ 2.21	\$ -	\$ -	\$ 2.21	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 11.20	\$ -	\$ -	\$ 11.20	-	-	-
30	TOTAL		\$ 10,407.68	\$ (180,715.27)	\$ (4,579.38)	\$ (174,886.97)			-
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 5.86	\$ -	\$ -	\$ 5.86	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 5.86	\$ (0.01)	\$ -	\$ 5.85			-
35	TOTAL SPP CHARGES		\$ 10,501.50	\$ (180,721.12)	\$ (4,579.70)	\$ (174,799.32)	88		-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (174,799.32)					
37	Net KWH for retail = ((F) + (G)) * 1,000						87,894		
38	April 2021 covers time period of 03/24/2021 - 04/22/2021							** (F) and (G) increased for losses of 2.8%	
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (170,219.62)	87,894					
41	Total SPP		\$ (4,579.70)	-					
			\$ (174,799.32)	87,894					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System May 2021 includes any adjustments (Revenue) Expense									
		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
	Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 5,116.58	\$ -	\$ 13.72	\$ 5,130.30	36	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 5,116.58	\$ -	\$ 13.72	\$ 5,130.30	36		
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 25.03	\$ -	\$ (0.51)	\$ 24.52	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 25.03	\$ -	\$ (0.51)	\$ 24.52			
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 15.28	\$ -	\$ (3.62)	\$ 11.66	-	-	-
11	TOTAL		\$ 15.28	\$ -	\$ (3.62)	\$ 11.66			
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 1.96	\$ -	\$ (0.22)	\$ 1.74	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 6.76	\$ -	\$ (1.22)	\$ 5.54	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 7.99	\$ -	\$ (0.35)	\$ 7.64	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.72	\$ -	\$ (0.02)	\$ 0.70	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (0.17)	\$ -	\$ (0.17)	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 113.01	\$ (4,918.48)	\$ 3.62	\$ (4,801.85)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.11	\$ -	\$ -	\$ 0.11	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.26)	\$ 0.42	\$ 0.16	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (4.25)	\$ -	\$ (4.25)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (17.41)	\$ -	\$ (17.41)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ (7.11)	\$ -	\$ (7.11)	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 55,952.75	\$ (55,339.60)	\$ -	\$ 613.15	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 3,449.04	\$ (8,891.44)	\$ -	\$ (5,442.40)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (6.35)	\$ (6.35)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 0.86	\$ -	\$ (0.03)	\$ 0.83	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 4.55	\$ -	\$ (0.29)	\$ 4.26	-	-	-
30	TOTAL		\$ 59,537.75	\$ (69,178.72)	\$ (4.44)	\$ (9,645.41)			
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 5.13	\$ -	\$ (0.21)	\$ 4.92	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 5.13	\$ (0.01)	\$ (0.21)	\$ 4.91			
35	TOTAL SPP CHARGES		\$ 64,699.77	\$ (69,178.73)	\$ 4.94	\$ (4,474.02)	36		
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (4,474.02)					
37	Net KWH for retail = ((F) + (G)) * 1,000							35,805	
38	May 2021 covers time period of 04/23/2021 - 05/20/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (4,478.96)	35,805					
41	Total SPP		\$ 4.94	-					
			\$ (4,474.02)	35,805					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System June 2021 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	\$ 214.49	\$ -	\$ (132.82)	\$ 81.67	14	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 214.49	\$ -	\$ (132.82)	\$ 81.67	14		
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 25.58	\$ -	\$ (0.36)	\$ 25.22	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 25.58	\$ -	\$ (0.36)	\$ 25.22			
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 6.89	\$ (0.75)	\$ (0.88)	\$ 5.26	-	-	-
11	TOTAL		\$ 6.89	\$ (0.75)	\$ (0.88)	\$ 5.26			
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.97	\$ -	\$ (0.04)	\$ 0.93	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 2.34	\$ -	\$ (0.20)	\$ 2.14	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 0.49	\$ -	\$ (0.20)	\$ 0.29	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.07	\$ -	\$ (0.01)	\$ 0.06	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (7,676.23)	\$ (306,407.68)	\$ (314,083.91)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.12	\$ (0.04)	\$ (0.02)	\$ 0.06	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.12)	\$ 0.02	\$ (0.10)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.22)	\$ 2.07	\$ 1.85	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ 8.68	\$ 8.68	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ 3.56	\$ 3.56	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 17,295.57	\$ (112,807.02)	\$ (6.95)	\$ (95,518.40)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 2,661.80	\$ (15,104.59)	\$ (0.92)	\$ (12,443.71)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 1.11	\$ 1.11	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ (83,245.33)	\$ -	\$ (83,245.33)	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 0.34	\$ -	\$ (0.03)	\$ 0.31	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 1.72	\$ -	\$ (0.11)	\$ 1.61	-	-	-
30	TOTAL		\$ 19,963.42	\$ (218,833.55)	\$ (306,400.72)	\$ (505,270.85)			
Grandfathered Charge Types									
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.92	\$ -	\$ (0.15)	\$ 0.77	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ (51.78)	\$ -	\$ (51.78)	-	-	-
34	TOTAL		\$ 0.92	\$ (51.78)	\$ (0.15)	\$ (51.01)			
35	TOTAL SPP CHARGES		\$ 20,211.30	\$ (218,886.08)	\$ (306,534.93)	\$ (505,209.71)	14		
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (505,209.71)					
37	Net KWH for retail = ((F) + (G)) * 1,000							13,528	
38	June 2021 covers time period of 05/21/2021 - 06/22/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		\$ (198,674.78)		13,528				
40	Adjustments		\$ (306,534.93)		-				
41	Total SPP		\$ (505,209.71)		13,528				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System July 2021 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	\$ 172.68	\$ -	\$ -	\$ 172.68	5	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 172.68	\$ -	\$ -	\$ 172.68	5		-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 17.25	\$ -	\$ 0.13	\$ 17.38	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 17.25	\$ -	\$ 0.13	\$ 17.38			-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 0.45	\$ -	\$ 0.04	\$ 0.49	-	-	-
11	TOTAL		\$ 0.45	\$ -	\$ 0.04	\$ 0.49			-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.09	\$ -	\$ 0.01	\$ 0.10	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.95	\$ -	\$ 0.02	\$ 0.97	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 1.86	\$ -	\$ -	\$ 1.86	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.39	\$ -	\$ -	\$ 0.39	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (9,749.84)	\$ 129.06	\$ (9,620.78)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.13)	\$ (0.03)	\$ (0.16)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.07)	\$ -	\$ (0.07)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 3,037.38	\$ (57,362.29)	\$ -	\$ (54,324.91)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 818.82	\$ (13,169.13)	\$ -	\$ (12,350.31)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 2.51	\$ 2.51	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 0.13	\$ -	\$ -	\$ 0.13	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 0.64	\$ -	\$ -	\$ 0.64	-	-	-
30	TOTAL		\$ 3,860.26	\$ (80,281.47)	\$ 131.57	\$ (76,289.64)			-
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 0.20	\$ -	\$ 0.01	\$ 0.21	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ 0.07	\$ 0.07	-	-	-
34	TOTAL		\$ 0.20	\$ (0.02)	\$ 0.08	\$ 0.26			-
35	TOTAL SPP CHARGES		\$ 4,050.84	\$ (80,281.49)	\$ 131.82	\$ (76,098.83)	5		-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (76,098.83)					
37	Net KWH for retail = ((F) + (G)) * 1,000							5,006	
38	July 2021 covers time period of 06/23/2021 - 07/22/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (76,230.65)	5,006					
41	Total SPP		\$ 131.82	-					
			\$ (76,098.83)	5,006					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System August 2021 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	\$ -	\$ -	\$ (1.97)	\$ (1.97)	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ (1.97)	\$ (1.97)	-	-	-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ 0.14	\$ 0.14	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ 0.14	\$ 0.14	-	-	-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ (0.21)	\$ (0.21)	-	-	-
11	TOTAL		\$ -	\$ -	\$ (0.21)	\$ (0.21)	-	-	-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ 0.02	\$ 0.02	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ (0.09)	\$ (0.09)	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ (0.02)	\$ (0.02)	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (12,624.49)	\$ (122.56)	\$ (12,747.05)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-	-	-
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	\$ 32,274.15	\$ (87,594.95)	\$ -	\$ (55,320.80)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 1,216.90	\$ (21,934.62)	\$ -	\$ (20,717.72)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ (35.34)	\$ (0.13)	\$ (35.47)	-	-	-
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		\$ 33,491.05	\$ (122,189.40)	\$ (122.73)	\$ (88,821.08)	-	-	-
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ 0.02	\$ 0.02	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ -	\$ -	\$ 0.02	\$ 0.02	-	-	-
35	TOTAL SPP CHARGES		\$ 33,491.05	\$ (122,189.40)	\$ (124.75)	\$ (88,823.10)	-	-	-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (88,823.10)					
37	Net KWH for retail = ((F) + (G)) * 1,000								-
38	August 2021 covers time period of 07/23/2021 - 08/23/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (88,698.35)	-					
41	Total SPP		\$ (124.75)	-					
			\$ (88,823.10)	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System September 2021 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	\$ -	\$ -	\$ 1.79	\$ 1.79	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ 1.79	\$ 1.79	-	-	-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ 0.36	\$ 0.36	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ -	\$ -	\$ 0.36	\$ 0.36	-	-	-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
11	TOTAL		\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ -	\$ -	-	-	-
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	\$ -	\$ (12,114.37)	\$ (114.74)	\$ (12,229.11)	-	-	-
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	\$ 1,159.07	\$ (169,627.25)	\$ -	\$ (168,468.18)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 29.49	\$ (23,991.57)	\$ -	\$ (23,962.08)	-	-	-
25	Miscellaneous Amount	555.23	\$ 0.99	\$ -	\$ -	\$ 0.99	-	-	-
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	\$ -	\$ -	\$ 0.01	\$ 0.01	-	-	-
30	TOTAL		\$ 1,189.55	\$ (205,733.19)	\$ (114.71)	\$ (204,658.35)	-	-	-
	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		\$ 1,189.55	\$ (205,733.19)	\$ (112.55)	\$ (204,656.19)	-	-	-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (204,656.19)					
37	Net KWH for retail = ((F) + (G)) * 1,000								-
38	September 2021 covers time period of 08/24/2021 - 09/22/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (204,543.64)	-					
41	Total SPP		\$ (112.55)	-					
			\$ (204,656.19)	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System October 2021 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	\$ 7,137.83	\$ -	\$ 0.13	\$ 7,137.96	166	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 7,137.83	\$ -	\$ 0.13	\$ 7,137.96	166		
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 329.51	\$ -	\$ 0.02	\$ 329.53	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-	-
9	TOTAL		\$ 329.51	\$ -	\$ 0.02	\$ 329.53			
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 16.60	\$ (2.99)	\$ 0.02	\$ 13.63	-	-	-
11	TOTAL		\$ 16.60	\$ (2.99)	\$ 0.02	\$ 13.63			
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 10.20	\$ -	\$ -	\$ 10.20	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 38.46	\$ -	\$ -	\$ 38.46	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 45.18	\$ -	\$ -	\$ 45.18	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 1.52	\$ -	\$ -	\$ 1.52	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (14,634.97)	\$ 82.81	\$ (14,552.16)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.60)	\$ -	\$ (0.60)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.50)	\$ -	\$ (0.50)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.18	\$ (0.20)	\$ -	\$ (0.02)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 35,432.55	\$ (126,079.92)	\$ -	\$ (90,647.37)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 5,807.60	\$ (16,515.46)	\$ -	\$ (10,707.86)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 0.18	\$ 0.18	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 4.20	\$ -	\$ -	\$ 4.20	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 21.18	\$ -	\$ -	\$ 21.18	-	-	-
30	TOTAL		\$ 41,361.07	\$ (157,231.65)	\$ 82.99	\$ (115,787.59)			
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 27.63	\$ -	\$ -	\$ 27.63	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 27.63	\$ (0.02)	\$ -	\$ 27.61			
35	TOTAL SPP CHARGES		\$ 48,872.64	\$ (157,234.66)	\$ 83.16	\$ (108,278.86)	166		
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (108,278.86)					
37	Net KWH for retail = ((F) + (G)) * 1,000						166,248		
38	October 2021 covers time period of 09/23/2021 - 10/21/2021							** (F) and (G) increased for losses of 2.8%	
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (108,362.02)	166,248					
41	Total SPP		\$ 83.16	-					
			\$ (108,278.86)	166,248					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System November 2021 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	\$ 47,629.50	\$ -	\$ (138.85)	\$ 47,490.65	1,047	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ 47,629.50	\$ -	\$ (138.85)	\$ 47,490.65	1,047	-	-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 2,208.93	\$ -	\$ 7.98	\$ 2,216.91	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ (1.01)	\$ -	\$ (1.01)	-	-	-
9	TOTAL		\$ 2,208.93	\$ (1.01)	\$ 7.98	\$ 2,215.90	-	-	-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 448.53	\$ (43.22)	\$ 3.97	\$ 409.28	-	-	-
11	TOTAL		\$ 448.53	\$ (43.22)	\$ 3.97	\$ 409.28	-	-	-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 80.87	\$ -	\$ (0.25)	\$ 80.62	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 214.78	\$ -	\$ (0.73)	\$ 214.05	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 390.30	\$ -	\$ (0.71)	\$ 389.59	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 50.70	\$ -	\$ (0.04)	\$ 50.66	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (3.98)	\$ -	\$ (3.98)	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (16,535.30)	\$ (348.72)	\$ (16,884.02)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 6.25	\$ (1.88)	\$ -	\$ 4.37	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (18.86)	\$ 0.13	\$ (18.73)	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.88	\$ (28.57)	\$ -	\$ (27.69)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (30.19)	\$ -	\$ (30.19)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ 5.98	\$ (5.01)	\$ -	\$ 0.97	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 26,609.14	\$ (162,663.60)	\$ 15.77	\$ (136,038.69)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 14,720.41	\$ (4,965.92)	\$ 2.31	\$ 9,756.80	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 0.60	\$ 0.60	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ 0.30	\$ -	\$ -	\$ 0.30	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ 26.43	\$ -	\$ (0.08)	\$ 26.35	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ 133.59	\$ -	\$ (0.41)	\$ 133.18	-	-	-
30	TOTAL		\$ 42,239.63	\$ (184,253.31)	\$ (332.13)	\$ (142,345.81)	-	-	-
	Grandfathered Charge Types								
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 123.44	\$ (3.94)	\$ (1.39)	\$ 118.11	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ 123.44	\$ (3.94)	\$ (1.39)	\$ 118.11	-	-	-
35	TOTAL SPP CHARGES		\$ 92,650.03	\$ (184,301.48)	\$ (460.42)	\$ (92,111.87)	1,047	-	-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (92,111.87)					
37	Net KWH for retail = ((F) + (G)) * 1,000							1,047,152	
38	November 2021 covers time period of 10/22/2021 - 11/22/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ (91,651.45)	1,047,152					
41	Total SPP		\$ (460.42)	-					
			\$ (92,111.87)	1,047,152					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System December 2021 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	\$ -	\$ -	\$ (37,269.52)	\$ (37,269.52)	-	-	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	TOTAL		\$ -	\$ -	\$ (37,269.52)	\$ (37,269.52)	-	-	-
RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ -	\$ -	\$ (2,038.31)	\$ (2,038.31)	-	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ 1.01	\$ 1.01	-	-	-
9	TOTAL		\$ -	\$ -	\$ (2,037.30)	\$ (2,037.30)	-	-	-
Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ -	\$ -	\$ (249.89)	\$ (249.89)	-	-	-
11	TOTAL		\$ -	\$ -	\$ (249.89)	\$ (249.89)	-	-	-
Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$ -	\$ -	\$ (60.24)	\$ (60.24)	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ -	\$ -	\$ (180.54)	\$ (180.54)	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ (335.49)	\$ (335.49)	-	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ -	\$ -	\$ (47.81)	\$ (47.81)	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ 3.98	\$ 3.98	-	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (20,638.71)	\$ 2,624.56	\$ (18,014.15)	-	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ (4.84)	\$ (4.84)	-	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ 14.43	\$ 14.43	-	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ 5.73	\$ 5.73	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ 16.65	\$ 16.65	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ 3.13	\$ 3.13	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 306,780.34	\$ (166,662.60)	\$ 2,182.00	\$ 142,299.74	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 31,997.27	\$ (14,807.93)	\$ 3,397.71	\$ 20,587.05	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ (0.30)	\$ (0.30)	-	-	-
28	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ (21.46)	\$ (21.46)	-	-	-
29	RT Schedule 1A4 Amount	555.30	\$ -	\$ -	\$ (108.37)	\$ (108.37)	-	-	-
30	TOTAL		\$ 338,777.61	\$ (202,109.24)	\$ 7,489.14	\$ 144,157.51	-	-	-
Grandfathered Charge Types									
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ (109.15)	\$ (109.15)	-	-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.55)	\$ -	\$ (0.55)	-	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
34	TOTAL		\$ -	\$ (0.55)	\$ (109.15)	\$ (109.70)	-	-	-
35	TOTAL SPP CHARGES		\$ 338,777.61	\$ (202,109.79)	\$ (32,176.72)	\$ 104,491.10	-	-	-
36	Net SPP Charges for Retail = (B) + (C) + (D)			\$ 104,491.10					
37	Net KWH for retail = ((F) + (G)) * 1,000								-
38	December 2021 covers time period of 11/23/2021 - 12/26/2021						** (F) and (G) increased for losses of 2.8%		
39	SPP Book Totals		Net Retail	Net SPP KWH					
40	Adjustments		\$ 136,667.82	-					
41	Total SPP		\$ (32,176.72)	-					
			\$ 104,491.10	-					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group - Net Retail - System Year to Date 2021 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	\$ 5,878.82	\$ (239.29)	\$ (310.34)	\$ 25.09	\$ 5,130.30	\$ 81.67	\$ 172.68	\$ (1.97)	\$ 1.79	\$ 7,137.96	\$ 47,490.65	\$ (37,269.52)	\$ 28,097.84
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	TOTAL		\$ 5,878.82	\$ (239.29)	\$ (310.34)	\$ 25.09	\$ 5,130.30	\$ 81.67	\$ 172.68	\$ (1.97)	\$ 1.79	\$ 7,137.96	\$ 47,490.65	\$ (37,269.52)	\$ 28,097.84
6	RSG & Make Whole Payments														
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 365.20	\$ 2.10	\$ 20.71	\$ 62.17	\$ 24.52	\$ 25.22	\$ 17.38	\$ 0.14	\$ 0.36	\$ 329.53	\$ 2,216.91	\$ (2,038.31)	\$ 1,025.93
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1.01)	\$ 1.01	\$ -
9	TOTAL		\$ 365.20	\$ 2.10	\$ 20.71	\$ 62.17	\$ 24.52	\$ 25.22	\$ 17.38	\$ 0.14	\$ 0.36	\$ 329.53	\$ 2,216.90	\$ (2,037.30)	\$ 1,025.93
10	Revenue Neutrality Uplift														
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 7.25	\$ (3.98)	\$ 23.19	\$ (5.46)	\$ 11.66	\$ 5.26	\$ 0.49	\$ (0.21)	\$ 0.01	\$ 13.63	\$ 409.28	\$ (249.89)	\$ 211.23
11	TOTAL		\$ 7.25	\$ (3.98)	\$ 23.19	\$ (5.46)	\$ 11.66	\$ 5.26	\$ 0.49	\$ (0.21)	\$ 0.01	\$ 13.63	\$ 409.28	\$ (249.89)	\$ 211.23
12	Other Charges														
12	DA Regulation-Down Distribution Amount	555.04	\$ 26.09	\$ -	\$ 2.76	\$ 5.88	\$ 1.74	\$ 0.93	\$ 0.10	\$ 0.02	\$ 0.01	\$ 10.20	\$ 80.62	\$ (60.24)	\$ 68.11
13	DA Regulation-Up Distribution Amount	555.05	\$ 53.43	\$ (0.93)	\$ 6.82	\$ 32.49	\$ 5.54	\$ 2.14	\$ 0.97	\$ (0.09)	\$ -	\$ 38.46	\$ 214.05	\$ (180.54)	\$ 172.34
14	DA Spinning Reserve Distribution Amount	555.06	\$ 41.35	\$ (0.87)	\$ 4.44	\$ 12.14	\$ 7.64	\$ 0.29	\$ 1.86	\$ (0.02)	\$ 0.02	\$ 45.18	\$ 389.59	\$ (335.49)	\$ 166.13
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 1.93	\$ (0.14)	\$ 0.45	\$ 0.92	\$ 0.70	\$ 0.06	\$ 0.39	\$ 0.01	\$ -	\$ 1.52	\$ 50.66	\$ (47.81)	\$ 8.69
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	\$ (0.17)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3.98)	\$ 3.98	\$ (0.17)
17	RT Over-Collected Losses Distribution Amount	555.11	\$ (10,835.63)	\$ (483,885.29)	\$ (43,836.51)	\$ (11,175.81)	\$ (4,801.85)	\$ (314,083.91)	\$ (9,620.78)	\$ (12,747.05)	\$ (12,229.11)	\$ (14,552.16)	\$ (16,884.02)	\$ (18,014.15)	\$ (952,666.27)
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ 1.68	\$ 2.88	\$ 0.11	\$ 0.06	\$ (0.01)	\$ -	\$ -	\$ (0.60)	\$ 4.37	\$ (4.84)	\$ 3.65
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ (0.26)	\$ (1.00)	\$ 0.16	\$ (0.10)	\$ (0.16)	\$ 0.04	\$ (0.01)	\$ (0.50)	\$ (18.73)	\$ 14.43	\$ (6.13)
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ (0.11)	\$ 0.32	\$ (4.25)	\$ 1.85	\$ (0.07)	\$ -	\$ -	\$ (0.02)	\$ (27.69)	\$ 5.73	\$ (24.24)
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	\$ (17.41)	\$ 8.68	\$ -	\$ -	\$ -	\$ -	\$ (30.19)	\$ 16.65	\$ (22.27)
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ (7.11)	\$ 3.56	\$ -	\$ -	\$ -	\$ -	\$ 0.97	\$ 3.13	\$ 0.55
23	RT Pseudo Tie Congestion Amount	555.20	\$ (116,172.23)	\$ (43,342.13)	\$ (169,587.56)	\$ (156,644.81)	\$ 613.15	\$ (95,518.40)	\$ (54,324.91)	\$ (55,320.80)	\$ (168,468.18)	\$ (90,647.37)	\$ (136,038.69)	\$ 142,299.74	\$ (943,152.19)
24	RT Pseudo Tie Loss Amount	555.21	\$ (22,034.13)	\$ (305,325.65)	\$ (24,955.60)	\$ (7,133.39)	\$ (5,442.40)	\$ (12,443.71)	\$ (12,350.31)	\$ (20,717.72)	\$ (23,962.08)	\$ (10,707.86)	\$ 9,756.80	\$ 20,587.05	\$ (414,729.00)
25	Miscellaneous Amount	555.23	\$ 58.45	\$ -	\$ 57.92	\$ -	\$ (6.35)	\$ 1.11	\$ 2.51	\$ (35.47)	\$ 0.99	\$ 0.18	\$ 0.60	\$ -	\$ 79.94
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (83,245.33)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (83,245.33)
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.30	\$ (0.30)	\$ -
28	RT Schedule 1A3 Amount	555.29	\$ 6.80	\$ 0.18	\$ 0.88	\$ 2.21	\$ 0.83	\$ 0.31	\$ 0.13	\$ -	\$ -	\$ 4.20	\$ 26.35	\$ (21.46)	\$ 20.43
29	RT Schedule 1A4 Amount	555.30	\$ 35.66	\$ 0.84	\$ 4.75	\$ 11.20	\$ 4.26	\$ 1.61	\$ 0.64	\$ -	\$ 0.01	\$ 21.18	\$ 133.18	\$ (108.37)	\$ 104.96
30	TOTAL		\$ (148,818.28)	\$ (832,553.99)	\$ (238,300.34)	\$ (174,886.97)	\$ (9,645.41)	\$ (505,270.85)	\$ (76,289.64)	\$ (88,821.08)	\$ (204,658.35)	\$ (115,787.59)	\$ (142,345.81)	\$ 144,157.51	\$ (2,393,220.80)
31	Grandfathered Charge Types														
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 28.47	\$ (0.86)	\$ 2.84	\$ 5.86	\$ 4.92	\$ 0.77	\$ 0.21	\$ 0.02	\$ -	\$ 27.63	\$ 118.11	\$ (109.15)	\$ 78.82
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ (0.02)	\$ (0.11)	\$ -	\$ (0.01)	\$ (0.01)	\$ -	\$ (0.02)	\$ -	\$ -	\$ (0.02)	\$ -	\$ (0.55)	\$ (0.74)
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (51.78)	\$ 0.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (51.71)
34	TOTAL		\$ 28.45	\$ (0.97)	\$ 2.84	\$ 5.85	\$ 4.91	\$ (51.01)	\$ 0.26	\$ 0.02	\$ -	\$ 27.61	\$ 118.11	\$ (109.70)	\$ 26.37
35	TOTAL SPP CHARGES - Energy Adjustment Rider		\$ (142,538.56)	\$ (832,796.13)	\$ (238,563.94)	\$ (174,799.32)	\$ (4,474.02)	\$ (505,209.71)	\$ (76,098.83)	\$ (88,823.10)	\$ (204,656.19)	\$ (108,278.86)	\$ (92,111.87)	\$ 104,491.10	\$ (2,363,859.43)

OTTER TAIL POWER COMPANY
GENERATION MAINTENANCE EXPENSE

		Actual 2017	Actual 2018	Actual 2019	Actual 2020	Actual 2021
STEAM POWER MAINTENANCE:						
SUPERVISION AND ENGINEERING	402 - 510	\$ 842,512	\$ 937,306	\$ 964,831	\$ 834,101	\$ 798,930
STRUCTURES	402 - 511	1,202,457	989,059	883,200	777,386	874,175
BOILER	402 - 512	7,207,999	9,023,720	8,465,029	5,026,948	6,229,229
ELECTRIC	402 - 513	797,052	2,241,699	2,869,209	1,080,670	2,714,136
MISCELLANEOUS	402 - 514	1,063,183	1,010,467	1,394,309	874,095	921,925
Total Steam Power Maintenance		11,113,203	14,202,252	14,576,578	8,593,200	11,538,395
HYDRO POWER MAINTENANCE:						
SUPERVISION & ENGINEERING	402 - 541	3,449	2,731	881	3,679	323
STRUCTURES	402 - 542	5,016	12,239	40	66	1,881
RESERVOIRS - DAMS	402 - 543	277,357	221,684	250,983	250,800	249,940
ELECTRIC	402 - 544	50,242	907	9,908	4,793	3,289
MISCELLANEOUS EXPENSE	402 - 545	-	38			3512
Total Hydro Maintenance		336,064	237,599	261,812	259,338	258,945
IC POWER MAINTENANCE WITHOUT WIND:						
SUPERVISION AND ENGINEERING	402 - 551	85,285	67,972	39,346	22,886	15,715
STRUCTURES	402 - 552	124,923	37,358	25,836	30,910	30,733
GENERATING AND ELECTRIC	402 - 553	656,222	631,963	443,752	344,215	427,726
MISCELLANEOUS EXPENSE	402 - 554	26,008	36,124	23,904	32,009	121,757
Total IC Maintenance without wind		892,438	773,417	532,839	430,020	595,931
IC POWER MAINTENANCE WIND ONLY:						
SUPERVISION AND ENGINEERING	402 - 551	-	3,698	-	9,597	-
GENERATING AND ELECTRIC	402 - 553	12,986	42,680	6,919	-	3,488,759
MISCELLANEOUS EXPENSE	402 - 554	6,338	8,408	87,649	315,907	434,679
		19,324	54,787	94,568	325,504	3,923,438
Additional Contracted Wind Maintenance*		179,277	97,888	123,439	84,473	3,354,916
Total Maintenance		<u>\$ 12,540,306</u>	<u>\$ 15,365,943</u>	<u>\$ 15,589,236</u>	<u>\$ 9,692,535</u>	<u>\$ 19,671,625</u>

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					
3/22/2021	3/23/2021	Tube Leak in #3 Cyclone	1.06	Leaks were located on rear wall of barrel - erosion.		Cyclone barrels are inspected annually for these types of issues
11/11/2021	12/1/2021	Turbine Blade Outage	19.75	During a routine inspection of the HP/IP turbine, solid particle erosion in the first two stages of the IP turbine stationary blading was discovered. The decision was made to repair the erosion during the outage. Solid particle erosion occurs when particles within a boiler or turbine inlet piping are swept up with the steam flow and when those particles impact on the components of the steam turbine. Given enough solid particles, turbine materials can be eroded away. Introduction of solid particles within a system can occur when that system is opened up for maintenance purposes.		The boiler reheater section was replaced during a 2015 planned outage. Air blows of the replacement reheat sections and installation of temporary strainers upstream of the turbine were completed at the time to protect the HP/IP turbine from future solid particle erosion. The solid particle erosion seen during the recent inspection is believed to be from finer particles that the temporary strainers were not able to stop. Given the amount of time, 6 years, the unit has ran since the reheater replacement. The amount of remaining fine particles within the system is minimal and no further steps are required to alleviate a future reoccurrence.
12/1/2021	12/3/2021	Turbine Blade Outage	2.49	Same as above.		Same as above.
12/8/2021	12/9/2021	Turbine Vibration	1.47	Experienced elevated vibration levels on HP/IP bearings #1 & #2 after unit returned to service. A short outage was required to add balance weights to turbine shaft.		Having to install balance weights on a turbine after disassembly and an inspection is not unusual. How and when to address the imbalance is a decision that can only be made once the turbine is placed back in service and the severity of the vibration is known.
12/30/2021	1/1/2022	Furnace Wall Tube Leak	1.31	Tube leak due to thinned tubing caused by sootblower erosion. Area was difficult to access during the major outage and was missed by inspectors.		We will be inspecting this area in more detail during the 2022 planned boiler outage.

... 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					
2/9/2021	2/10/2021	Main Transformer Gassing	1.03	Buchholz relay stuck in alarm due to cold temps. Severon gas analyzer was out of service, hot zone was bad, parts were back ordered.		Spare Buchholz relay was added to warehouse inventory.
4/13/2021	4/16/2021	Turbine Balance	2.36	Vibration increasing on main turbine.		OEM balance engineer hired and weights were added per recommendation.
8/4/2021	8/7/2021	Nor h condenser tube leak	3.51	Heat exchanger tubes in the condenser began leaking causing boiler water chemistry issue.		A routine condenser inspection will be conducted during major outage.

Coyote Station Forced Outage Info (continued)

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
8/7/2021	8/14/2021	BCP problems	6.68	On unit start-up a boiler circ pump motor failure caused the unit to stay offline.		A full inspection and repair was conducted on the failed pump motor, including a full rewind.
9/27/2021	10/1/2021	Transformer Oil Leak	3.62	Bushing site glass failure caused oil leak.		Had spare bushing onsite. Manufacture defect.
10/3/2021	10/11/2021	Transformer Oil Leak	7.28	Bushing site glass failure caused oil leak.		Had spare bushing onsite. Manufacture defect.
12/16/2021	12/21/2021	Economizer Header Leak Repair	5.13	Tube leak found causing ash flow problems. During repair cracks found on header.		Routine inspection will be completed on header during upcoming major outage.

... PROTECTED DATA ENDS]

[PROTECTED DATA BEGINS ...

Hoot Lake Plant Forced Outage Info

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
Hoot Lake Plant #2						
1/16/2021	1/21/2021	Tube Repair - Economizer	5.29	Leak in tube bundle on tube standoff attachment welds.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
2/22/2021	2/26/2021	Maintenance Outage Econ Tube Repair	4.17	Leak in tube bundle on tube standoff attachment weld.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
5/27/2021	6/1/2021	Out of Coal / End of Life	4.25	All usable coal has been emptied from bunkers and the Unit was placed in outage until the end of May retirement.		None

... PROTECTED DATA ENDS]

[PROTECTED DATA BEGINS ...

Hoot Lake Plant Forced Outage Info

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
Hoot Lake Plant #3						
5/25/2021	6/1/2021	Out of Coal / End of Life	6.28	All usable coal has been emptied from bunkers and the Unit was placed in outage until the end of May retirement.		None

... 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)	* (E)	* (F)	* (G)	(H)
	Date Paid		Wind Production		Lost Production		Total OTP Paid	Reason Codes
	Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid		
			[PROTECTED DATA BEGINS . . .					
Jan-21								
Feb-21								
Mar-21								
Apr-21								
May-21								
Jun-21								
Jul-21								
Aug-21								
Sep-21								
Oct-21								
Nov-21								
Dec-21								
Total 2021								

. . . 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)	(B)	* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G)	(H)
	Date Paid		Delivered	Amount	Lost	Amount	Total	Reason
	Delivered MWh	Lost MWh	to OTP MWh	OTP Paid	MWh	OTP Paid	OTP Paid	Codes
	[PROTECTED DATA BEGINS ...							
Jan-21	1/3, 14, 21, 23, 24, 29	2/12/2021						4
Feb-21	2/3, 22	3/15/2021						4
Mar-21	3/2, 6, 7, 8, 9, 14, 15, 19, 24, 27, 28, 29, 30, 31	4/13/2021						4
Apr-21	4/2, 8, 9, 10, 11, 12, 13, 18, 19, 22, 23, 29	5/14/2021						4
May-21	5/3, 8, 9, 13, 17, 20, 24, 25	6/15/2021						4
Jun-21	6/4, 6, 7, 8, 9, 10, 11, 16, 17, 20, 21, 23	7/14/2021						4
Jul-21	7/4, 9, 15, 16, 17, 19, 20, 22, 24, 25, 26, 28	8/16/2021						4
Aug-21	8/6, 18, 24, 26, 31	9/15/2021						4
Sep-21	9/6, 7, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26	10/12/2021						4
Oct-21	10/11, 13, 15, 18, 19, 27, 29, 30, 31	11/9/2021						4
Nov-21	11/4, 5, 6, 10, 11, 12, 16	12/13/2021						4
Dec-21	12/9, 11, 12	1/12/2022						4
Total 2021								
... PROTECTED DATA ENDS]								

Reason Code Explanation:

Curtailment was called for by Otter Tail Power due to negative LMP pricing. As specified in the Ashtabula 3 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)	* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G)	(H)
	Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid	Total OTP Paid	Reason Codes
			[PROTECTED DATA BEGINS ...					
Jan-21	1/3, 11, 14, 21, 24, 30	2/18/2021						4
Feb-21	2/3	3/23/2021						4
Mar-21	3/2, 4, 7, 8, 9, 10, 14, 15, 19, 20, 21, 22, 24, 27, 28, 29, 30	4/22/2021						4
Apr-21	4/1, 2, 7, 8, 9, 12, 13, 16, 18, 19, 20, 22, 23, 26, 29	5/20/2021						4
May-21	5/1, 2, 3, 4, 6, 8, 9, 13, 14, 17, 20, 21	6/24/2021						4
Jun-21	6/4, 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 20, 21, 22, 23	7/23/2021						4
Jul-21	7/3, 4, 6, 9, 27	8/23/2021						4
Aug-21	8/1, 4, 16, 18, 24	9/24/2021						4
Sep-21	9/15, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28	10/22/2021						4
Oct-21	10/5, 6, 14, 15, 18, 19, 23, 29, 30, 31	11/19/2021						4
Nov-21	11/4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 21, 29	12/20/2021						4
Dec-21	12/6, 8, 9, 14, 15	1/24/2022						4
Total 2021								
... PROTECTED DATA ENDS]								

Reason Code Explanation:

Curtailment was called for by Otter Tail Power due to negative LMP pricing. As specified in the Ashtabula 3 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. Otter Tail has had additional opportunities in the ASM to optimize generation portfolio revenues by providing reserves without creating a negative impact on available energy necessary to meet customer needs.

Spinning Reserves

Currently, Otter Tail has 7 generating units that are qualified to supply energy, regulation, or spinning reserves service for MISO.

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. MISO's Spinning Reserves process has provided a net benefit of \$39,865 for the January through December 2021 period (Attachment 16, column R, line 13).

Supplemental Reserves

MISO Supplemental Reserves resulted in a net benefit of \$151,759 for the January through December 2021 period (Attachment 16, column R, line 17). Prior to August of 2015, Otter Tail's three oil-fueled peaking units, Lake Preston and the Jamestown units #1 and #2, were qualified to provide supplemental reserves to the MISO ASM market. However, testing in July and August of 2015 indicated those units were no longer able to meet the required operating specifications to be eligible to provide such reserves. During the 2017/2018 AAA period, the Company upgraded systems and operating procedures on

these plants in order to regain eligibility. In June of 2018, eligibility was restored, and these units were qualified to offer limited supplemental reserves into the MISO energy markets.

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 \$117,234 for the January through December 2021 period (Attachment 16, column R, line 4).

Short-Term Reserve

On December 7, 2021, MISO introduced a new ASM product, Short-Term Reserves. The Short-Term Reserve product consists of four new MISO wholesale energy market charge types:

- Day Ahead Short-Term Reserve Amount
- Real Time Short-Term Reserve Amount
- Short-Term Reserve Cost Distribution Amount
- Short-Term Reserve Deployment Failure Charge Amount

Short-Term Reserves are a ramp able generation capacity product provided by on-line or off-line resources to be converted to energy within a deployment period of 30 minutes. Short-Term Reserves are 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 \$1,515 for the January through December 2021 period (Attachment 16, column R, line 9). While amounts are minimal, largely due to the commencement of this product in late 2021, Otter Tail believes they are appropriate for inclusion in the Energy Adjustment Rider like other ASM related products.

Real-Time Excessive/Deficient Energy Deployment Charge Amount and Real-Time Contingency Deployment Failure 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 2021 there was a total of (\$17,106) 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.

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 2021 period, there was a total of (\$290) in charges (Attachment 16, column R, line 18).

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 2021 period, which has provided \$283,890 (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 2021.

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-21	Feb-21	Mar-21	1st Qtr 2021 Total	Apr-21	May-21	Jun-21	2nd Qtr 2021 Total	Jul-21	Aug-21	Sep-21	3rd Qtr 2021 Total	Oct-21	Nov-21	Dec-21	4th Qtr 2021 Total	12-Month Total	MN Amount @ 0.506502
1	Day Ahead Regulation Amount	\$ 91,386	\$ 58,446	\$ 64,063	\$ 213,896	\$ 28,417	\$ 6,509	\$ 47,330	\$ 82,257	\$ 50,947	\$ 56,142	\$ 37,558	\$ 144,647	\$ 1,000	\$ 684	\$ 21,186	\$ 22,871	\$ 463,671	\$ 234,850
2	Real Time Regulation Amount	\$ (20,595)	\$ 8,613	\$ 2,617	\$ (9,365)	\$ (2,607)	\$ 11,818	\$ 4,796	\$ 14,007	\$ (9,265)	\$ (17,238)	\$ 373	\$ (26,130)	\$ 8,013	\$ 12,701	\$ 9,662	\$ 30,376	\$ 8,889	\$ 4,502
3	Regulation Cost Distribution Amount	\$ (17,332)	\$ (33,148)	\$ (20,798)	\$ (71,277)	\$ (18,232)	\$ (16,673)	\$ (19,020)	\$ (53,925)	\$ (16,788)	\$ (17,520)	\$ (14,926)	\$ (49,233)	\$ (19,084)	\$ (24,724)	\$ (22,858)	\$ (66,667)	\$ (241,102)	\$ (122,119)
4	Regulation Subtotal	\$ 53,460	\$ 33,912	\$ 45,882	\$ 133,254	\$ 7,579	\$ 1,654	\$ 33,107	\$ 42,340	\$ 24,894	\$ 21,385	\$ 23,006	\$ 69,284	\$ (10,071)	\$ (11,339)	\$ 7,990	\$ (13,420)	\$ 231,458	\$ 117,234
5	Day Ahead Short-Term Reserve Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,814	\$ 15,814	\$ 15,814	\$ 8,010
6	Real Time Short-Term Reserve Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,965)	\$ (3,965)	\$ (3,965)	\$ (2,008)
7	Short-Term Reserve Cost Distribution Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (8,858)	\$ (8,858)	\$ (8,858)	\$ (4,487)
8	Short-Term Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Short-Term Reserve Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,991	\$ 2,991	\$ 2,991	\$ 1,515
10	Day Ahead Spinning Reserve Amount	\$ 11,420	\$ 23,054	\$ 30,406	\$ 64,880	\$ 36,152	\$ 37,242	\$ 104,344	\$ 177,738	\$ 37,369	\$ 57,334	\$ 29,804	\$ 124,506	\$ 3,729	\$ 6,498	\$ 34,896	\$ 45,122	\$ 412,246	\$ 208,804
11	Real Time Spinning Reserve Amount	\$ (650)	\$ (3,973)	\$ (9,665)	\$ (14,288)	\$ (16,204)	\$ (7,503)	\$ (39,654)	\$ (63,361)	\$ (11,415)	\$ (13,545)	\$ (4,857)	\$ (29,817)	\$ 5,284	\$ 12,179	\$ (10,194)	\$ 7,268	\$ (100,198)	\$ (50,751)
12	Spinning Reserve Cost Distribution Amount	\$ (8,635)	\$ (29,568)	\$ (17,662)	\$ (55,864)	\$ (18,625)	\$ (18,604)	\$ (19,493)	\$ (56,723)	\$ (19,208)	\$ (20,427)	\$ (13,309)	\$ (52,943)	\$ (24,493)	\$ (23,287)	\$ (20,031)	\$ (67,812)	\$ (233,342)	\$ (118,188)
13	Spinning Reserve Subtotal	\$ 2,135	\$ (10,487)	\$ 3,079	\$ (5,273)	\$ 1,322	\$ 11,135	\$ 45,197	\$ 57,654	\$ 6,746	\$ 23,362	\$ 11,638	\$ 41,746	\$ (15,481)	\$ (4,610)	\$ 4,670	\$ (15,421)	\$ 78,706	\$ 39,865
14	Day Ahead Supplemental Reserve Amount	\$ 8,920	\$ 120,739	\$ 18,363	\$ 148,023	\$ 18,486	\$ 28,850	\$ 74,627	\$ 121,964	\$ 41,054	\$ 63,803	\$ 26,670	\$ 131,526	\$ 49,449	\$ 21,181	\$ 16,205	\$ 86,835	\$ 488,347	\$ 247,349
15	Real Time Supplemental Reserve Amount	\$ (3,042)	\$ (13,258)	\$ (4,422)	\$ (20,722)	\$ (13,325)	\$ (7,882)	\$ (19,226)	\$ (40,434)	\$ (14,796)	\$ (5,653)	\$ (4,045)	\$ (24,494)	\$ (9,600)	\$ (6,078)	\$ (6,119)	\$ (21,797)	\$ (107,447)	\$ (54,422)
16	Supplemental Reserve Cost Distribution Amount	\$ (1,355)	\$ (38,129)	\$ (2,523)	\$ (42,006)	\$ (2,869)	\$ (3,169)	\$ (8,101)	\$ (14,139)	\$ (4,924)	\$ (6,194)	\$ (2,512)	\$ (13,629)	\$ (5,433)	\$ (3,001)	\$ (3,069)	\$ (11,503)	\$ (81,278)	\$ (41,167)
17	Supplemental Reserve Subtotal	\$ 4,523	\$ 69,353	\$ 11,419	\$ 85,294	\$ 2,292	\$ 17,799	\$ 47,300	\$ 67,391	\$ 21,334	\$ 51,956	\$ 20,113	\$ 93,403	\$ 34,415	\$ 12,102	\$ 7,017	\$ 53,534	\$ 299,622	\$ 151,759
18	Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ (573)	\$ -	\$ -	\$ (573)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (573)	\$ (290)
19	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ (7,882)	\$ (2,991)	\$ (4,178)	\$ (15,051)	\$ (2,274)	\$ (2,093)	\$ (1,413)	\$ (5,779)	\$ (5,491)	\$ (4,636)	\$ 31	\$ (10,096)	\$ 269	\$ (737)	\$ (2,379)	\$ (2,846)	\$ (33,772)	\$ (17,106)
20	Net Regulation Adjustment Amount	\$ (1,474)	\$ 34	\$ (1,357)	\$ (2,797)	\$ (5,010)	\$ 477	\$ (4,486)	\$ (9,018)	\$ (556)	\$ (1,300)	\$ (1,233)	\$ (3,088)	\$ (785)	\$ (387)	\$ (1,865)	\$ (3,037)	\$ (17,941)	\$ (9,087)
21	Real Time Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Other Charge Subtotal	\$ (9,356)	\$ (2,957)	\$ (5,535)	\$ (17,848)	\$ (7,856)	\$ (1,615)	\$ (5,898)	\$ (15,370)	\$ (6,047)	\$ (5,936)	\$ (1,202)	\$ (13,184)	\$ (516)	\$ (1,124)	\$ (4,244)	\$ (5,884)	\$ (52,285)	\$ (26,483)
23	TOTAL	\$ 50,762	\$ 89,820	\$ 54,845	\$ 195,427	\$ 3,338	\$ 28,972	\$ 119,705	\$ 152,015	\$ 46,927	\$ 90,767	\$ 53,555	\$ 191,249	\$ 8,347	\$ (4,971)	\$ 18,425	\$ 21,801	\$ 560,492	\$ 283,890

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-21	Feb-21	Mar-21	1st Qtr 2021 Total	Apr-21	May-21	Jun-21	2nd Qtr 2021 Total	Jul-21	Aug-21	Sep-21	3rd Qtr 2021 Total	Oct-21	Nov-21	Dec-21	4th Qtr 2021 Total	12-Month Total	MN Amount @ 0.506502
1	Day Ahead Regulation Amount	9,260.50	5,793.70	7,778.20	22,832.40	4,449.20	1,287.00	7,016.40	12,752.60	6,574.90	5,308.20	4,020.70	15,903.80	25.00	227.60	3,593.00	3,845.60	55,334.40	28,026.98
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	9,260.50	5,793.70	7,778.20	22,832.40	4,449.20	1,287.00	7,016.40	12,752.60	6,574.90	5,308.20	4,020.70	15,903.80	25.00	227.60	3,593.00	3,845.60	55,334.40	28,026.98
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	5,226.50	5,128.30	3,236.90	13,591.70	4,314.50	2,746.20	6,775.90	13,836.60	4,344.30	5,467.30	4,011.50	13,823.10	110.00	663.60	4,845.30	5,618.90	46,870.30	23,739.90
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	5,226.50	5,128.30	3,236.90	13,591.70	4,314.50	2,746.20	6,775.90	13,836.60	4,344.30	5,467.30	4,011.50	13,823.10	110.00	663.60	4,845.30	5,618.90	46,870.30	23,739.90
14	Day Ahead Supplemental Reserve Amount	43,193.10	44,687.40	43,859.10	131,739.60	55,240.20	36,065.30	50,811.30	142,116.80	50,917.80	52,217.70	48,988.10	152,123.60	27,173.00	53,697.80	52,068.90	132,939.70	558,919.70	283,093.95
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	43,193.10	44,687.40	43,859.10	131,739.60	55,240.20	36,065.30	50,811.30	142,116.80	50,917.80	52,217.70	48,988.10	152,123.60	27,173.00	53,697.80	52,068.90	132,939.70	558,919.70	283,093.95
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	57,680.10	55,609.40	54,874.20	168,163.70	64,003.90	40,098.50	64,603.60	168,706.00	61,837.00	62,993.20	57,020.30	181,850.50	27,308.00	54,589.00	60,507.20	142,404.20	661,124.40	334,860.83

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

Montly Average Schedule 17 Amount

January '09 through December '09	\$ 68,439.00
January '10 through December '10	\$ 67,171.00
January '11 through June '11	\$ 67,418.00
July '11 through July '12	\$ 60,573.57
July '12 through June '13	\$ 62,582.95
July '13 through June '14	\$ 59,249.43
July '14 through June '15	\$ 52,206.79
July '15 through June '16	\$ 52,282.71
July '16 through June '17	\$ 54,561.27
July '17 through June '18	\$ 64,940.78
July '18 through December '19	\$ 65,679.88
January '20 through December '20	\$ 62,585.46
January '21 through December '21	\$ 64,618.00
Average monthly increase from prior period	\$ 2,032.54

Montly Average Schedule 17 Rate per MWh

January '09 through December '09	\$ 0.09750
January '10 through December '10	\$ 0.09380
January '11 through June '11	\$ 0.09300
July '11 through July '12	\$ 0.09040
July '12 through June '13	\$ 0.08820
July '13 through June '14	\$ 0.07656
July '14 through June '15	\$ 0.07337
July '15 through June '16	\$ 0.07479
July '16 through June '17	\$ 0.07312
July '17 through June '18	\$ 0.08239
July '18 through December '19	\$ 0.08589
January '20 through December '20	\$ 0.08917
January '21 through December '21	\$ 0.08240
Average monthly increase from prior period	\$ (0.00677)

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

Attachment 4 - Refer to Energy Adjustment Rider – Electric Rate Schedule - Section 13.01, approved December 24, 2020, in Docket No. E017/GR-20-719. These rates were effective with bills rendered on and after January 1, 2021.

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 2021.
2. Attachment 6 - Energy Cost by Primary Energy Source.
3. Attachment 7 marked as NOT PUBLIC - Monthly Cost Components from January 2003 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 2021 as summarized in the table below.

	Forecasted Costs - System	Actual Costs - System
January 2021	\$10,337,238	\$ 8,984,775
February	\$10,226,834	\$12,259,410
March	\$ 9,211,654	\$ 6,739,893
April	\$ 7,462,119	\$ 5,532,257
May	\$ 6,999,051	\$ 6,476,879
June	\$ 7,066,700	\$ 7,105,698
July	\$ 7,579,079	\$ 8,473,293
August	\$ 8,148,288	\$ 8,133,365
September	\$ 7,253,963	\$ 3,528,599
October	\$ 7,783,731	\$ 9,190,794
November	\$ 9,434,362	\$14,991,200
December	\$10,555,929	\$12,053,906
TOTAL 2021	\$102,058,949	\$103,470,069

The following amounts are reflective of the Minnesota January 2021 – December 2021 reporting period.

Line	Item	Amount
1	Total 2021 kWh Sales (System)	4,772,030,634
2	Total 2021 kWh Sales Subject to COE – MN	2,417,042,275
3	Percent of MN Sales to System (Line 2 / Line 1)	0.506501835
4		
5	Total 2021 System Fuel Costs	\$103,470,069
6	Percent of MN kWh Sales (Line 3 above)	0.506501835
7	2021 Fuel Costs Allocated to MN (Line 5 X Line 6)	\$52,407,780

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 2021 relative to costs incurred:

Line	Item	Amount
1	Recovery from FCA	\$46,428,469
2	Recovery from Base Fuel ¹	\$4,441,429
3	Total Recovery of 2021 Costs (Line 1 – Line 2)	\$50,869,898
4	MN Share of Fuel Costs	\$52,407,780
5	Total Over/(Under) Recovery (Line 3 – Line 4)	(\$1,537,882) ²

¹ Recovery from fuel base cost: (See Attachment 1 for details.)

Total Minnesota kWh Sales - December 2020 kWh in January 2021	180,165,060
Minnesota Base Cost	x \$0.024652
Amount Recovered From Base Cost	\$ 4,441,429

On December 3, 2020, in Docket No. E017/GR-20-719 the Commission approved recovery of all applicable revenues and costs allowed for recovery in the Energy Adjustment Rider through a one-part fuel cost rate. Effective January 1, 2021, all fuel-related costs were shifted from base rates and are now recovered through the Energy Adjustment Rider.

² Total under-recovery before inclusion of authorized refunds for Q1 - Q3 2020 over-recoveries and remainder of 2018, 2019 and 2020 true-ups.

During 2021, rates also included adjustments for the return of remaining true-up balances from the July 2018 – December 2020 recovery periods, as well as refunds of the Q2 and Q3 2020 tracker balance as reflected in the table below. (See Attachment 1 for details.)

	July 2018 – December 2020 True Up Refund	Q2-Q3 2020 Over Collection Refund
January 2021	(\$117,939)	(\$1,438,857)
February	(\$113,474)	(\$1,384,379)
March	(\$0)	(\$1,326,109)
April	(\$0)	(\$1,288,299)
May	(\$0)	(\$1,123,068)
June	(\$0)	(\$1,206,680)
July	(\$0)	(\$0)
August	(\$0)	(\$0)
September	(\$253,906)	(\$0)
October	(\$231,288)	(\$0)
November	(\$263,928)	(\$0)
December	(\$296,465)	(\$0)
TOTAL 2021	(\$1,277,000)	(\$7,767,393)

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

During Q2 and Q3 of 2020 Otter Tail's tracker balance was approximately \$8.4 million in over collection. In the Commission Order dated November 16, 2020, Otter Tail was authorized to refund the tracker balance by reducing EAR for the January – June 2021 timeframe.

Appendix A – Section 3

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

2021 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.**

2021 Actual Results:

No additional purchases of FTRs for congestion hedging were made in 2021.

Otter Tail's FTR Hedging Approach:

For 2021, 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 2021 were filed and approved in Docket No. E017/AA-20-462 effective January 1, 2021.

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

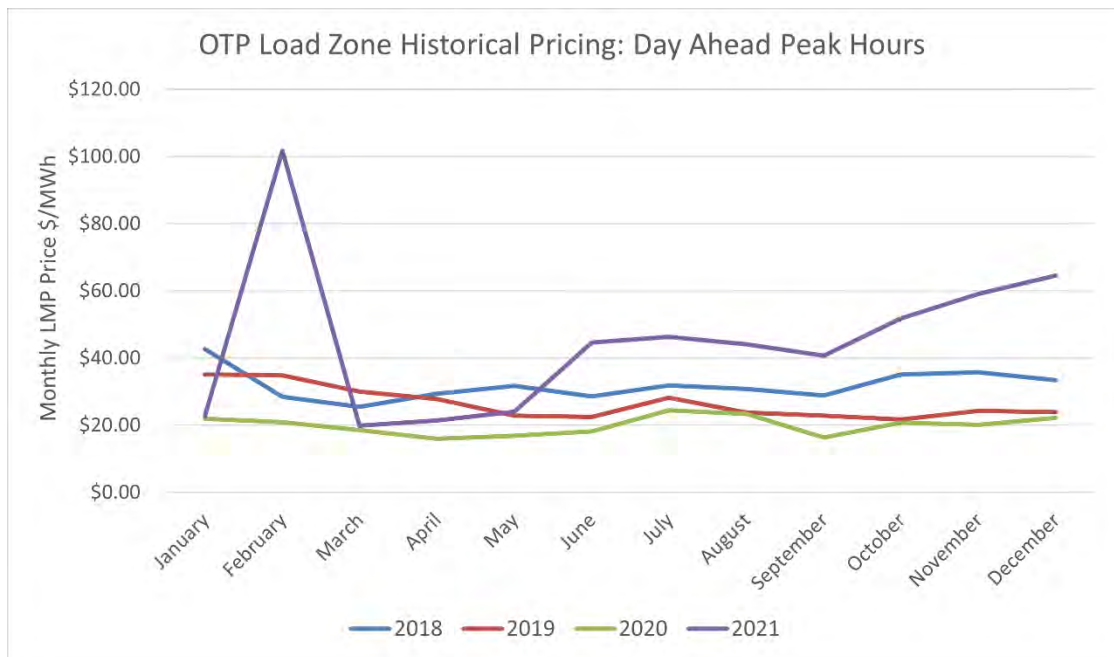
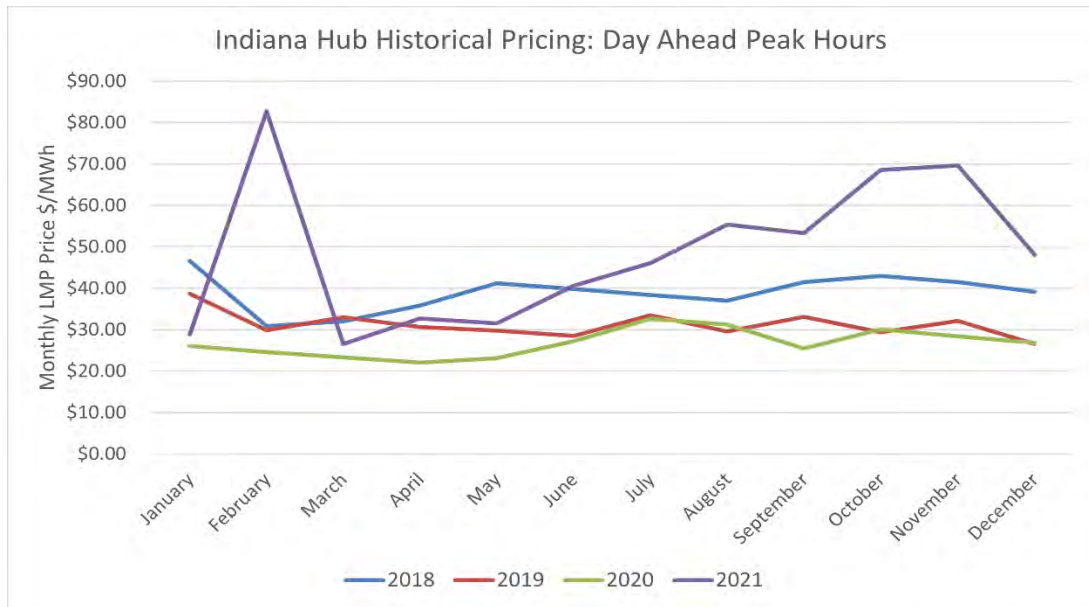
- 7. C. Each utility shall prepare a summary of its AAA filing stating key factors affecting costs (including Revenue Sufficiency Guarantee costs and Revenue Neutrality Uplift costs) along with the FCA Forecast.**

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 2021.

Total net MISO charges for 2021 were \$50.5 million as found on line 54 of Attachment 9.

MISO Market Overview for 2021:

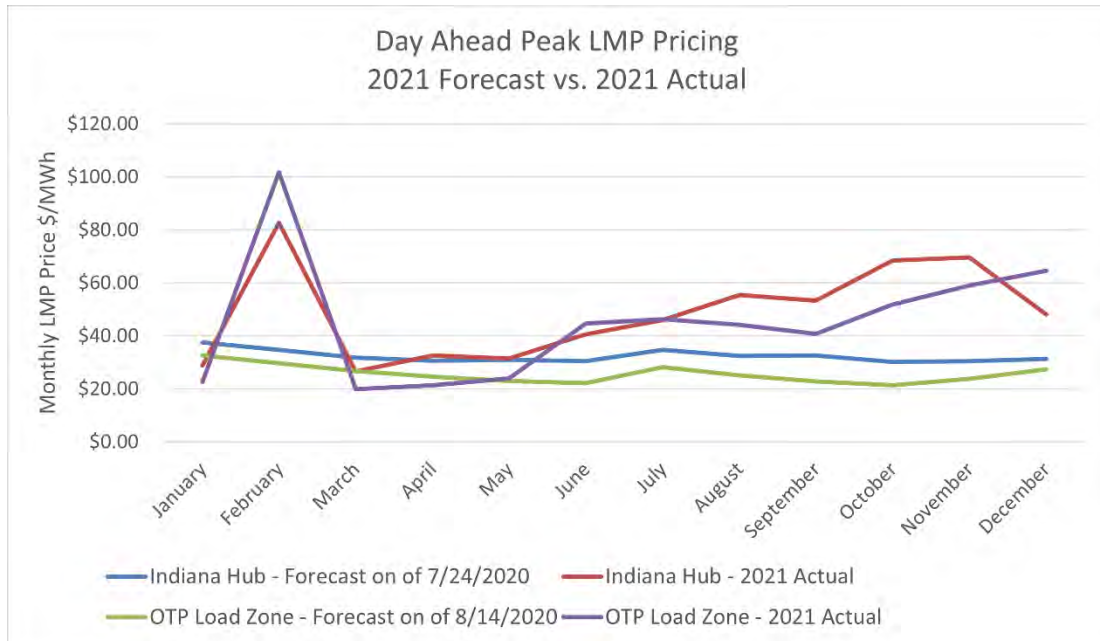
The biggest driver in determining wholesale energy market credits/charges and dispatch of generation is market pricing, or more specifically, Locational Marginal Pricing (LMP). LMP pricing in 2021 was considerably higher than the last three previous years. The following graphs help illustrate historical 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.



2021 Indiana Hub DA peak LMP pricing experienced an approximate 51% increase from the previous 3-year average. Similarly, Otter Tail load zone LMP pricing experienced an approximate 73% increase from the previous 3-year average.

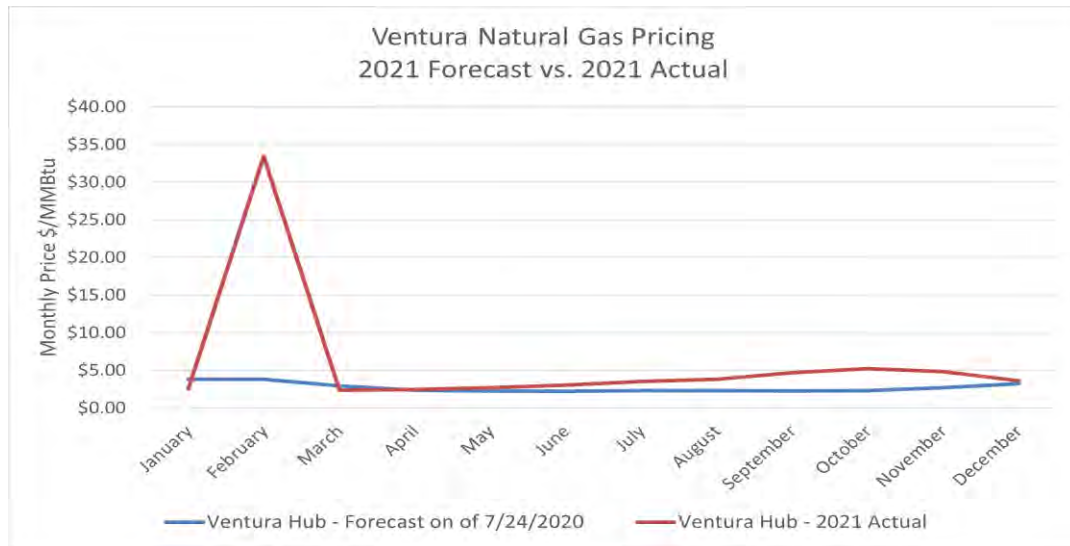
Projections of generation production, economic market purchases, and wholesale market energy charges are driven in large part by forecasted LMP pricing. Furthermore, natural gas forecasts generally drive LMP forecasts. This is due to natural gas generation facilities often being the marginal units, or 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 2021 Otter Tail Power forecast utilized the July 24, 2020, Indiana Hub forward price curve. The Indiana Hub and Otter Tail load zone curves, forecast vs actual, are shown in the below graph.



Actual 2021 Indiana Hub pricing, compared to the July 24, 2020, forward Indiana Hub price curve, increased approximately 51%. Similarly, actual 2021 Otter Tail load zone pricing, compared to the forecasted July 24, 2020, Otter Tail load zone price curve, increased approximately 76%. 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 2021 due to below normal gas storage levels, slow production, and market uncertainty related to the upcoming winter months.

The natural gas graph below demonstrates the correlation of gas and energy pricing, July 24, 2020, forecast versus 2021 actual Ventura Hub pricing, reflecting a similar cost shape as compared to the previous two LMP graphs shared:



Like LMP prices, 2021 natural gas prices were forecasted to be significantly lower than what actually occurred.

Increased LMP pricing impacted Otter Tail's 2021 actual results significantly. Most notably, as LMP pricing increases, it becomes increasingly economic for MISO to commit and dispatch Otter Tail generation resources. Economic market purchases decreased, but the per MWh cost for those purchases increased. Economic market purchases are procured at the daily Otter Tail load zone LMP price. Market purchases are detailed in line 155 of Attachment 3.

Higher LMP pricing also impacts the production of energy and ancillary service market (ASM) products. As LMP pricing increases, the value for ASM products also tends to increase. Total ASM amounts are detailed on line 140 of Attachment 3.

Otter Tail also saw a significant increase in revenue in its FTR portfolio in 2021. As the northwestern region of MISO continues to see increasing penetration of renewable generation, combined with line outages and upgrades necessary to accommodate this generation expansion, 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 lines 57 and 60 of Attachment 3. Similarly, congestion increased on the SPP system between the SPP/MISO boarder and the OTP load within SPP (pseudo-tied back to MISO). Energy injection at the MISO/SPP boarder results in congestion credits larger than congestion charges associated with offsetting energy withdrawal at the load. SPP pseudo-tied amounts are detailed on line 111 of Attachment 3.

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

Actual SPP charges for January – December 2021 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 2021.

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 2021. There were two events in 2021 that factored into increased generation maintenance expenses.

In 2021, Big Stone Plant had an 8-week major overhaul outage and Coyote Station had a 3-week planned maintenance outage. The maintenance expense for Big Stone was higher than forecasted due to the discovery of erosion in the HP/IP turbine while plant was down for overhaul.

The Merricourt Wind Energy Center came on-line in late 2020 and additional maintenance for that new wind facility was a contributing factor in the overall increase of Otter Tail's wind farms maintenance expense in 2021.

- 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.

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. When opportunities arise for information sharing, Otter Tail is willing to take advantage of them.

Planned Outages

The table below reflects the planned outages that were scheduled at Big Stone Plant and Coyote Station in 2021 and incorporated into Otter Tail's 2021 forecast.

	A	B	C	D
Forecast 2021 Planned Outages				
Line No.	Outage Start	Outage End	Plant	Duration & Type
1	9/16/2021	11/10/2021	Big Stone Plant	8-week major overhaul
2	3/9/2021	3/11/2021	Coyote Station	3-day boiler wash
3	6/4/2021	6/11/2021	Coyote Station	7-day spring outage
4	9/16/2021	9/18/2021	Coyote Station	3-day boiler wash
5	12/10/2021	12/12/2021	Coyote Station	3-day boiler wash

Actual planned outages taken during 2021 were as follows:

	A	B	C	D
Actual 2021 Planned Outages				
Line No.	Outage Start	Outage End	Plant	Duration & Type
1	04/23/2021	05/14/2021	Big Stone Plant	3-week maintenance outage
2	09/15/2021	11/11/2021	Big Stone Plant	8-week major overhaul
3	3/08/2021	3/13/2021	Coyote Station	4-day boiler wash
4	6/21/2021	6/27/2021	Coyote Station	6-day boiler wash
5	10/1/2021	10/3/2021	Coyote Station	3-day boiler wash
6	12/1/2021	12/4/2021	Coyote Station	4-day boiler wash

Forced Outages

Otter Tail's generators experienced an aggregate of fifteen forced outages in excess of 24 hours over the January through December 2021 period: four at the Big Stone Plant, seven at Coyote Station and four at the Hoot Lake Plant Units #2 and #3. Note that Hoot Lake Plant was retired in the spring of 2021 and maintenance efforts were managed accordingly as the plant reached the end of its useful life.

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 fifteen forced outages experienced during the reporting period, six of those outages were tube leaks and three outages related to turbines. Other than the turbine and tube leak related outages, Otter Tail's plants experienced six forced outages: zero at Big Stone, four at Coyote, and two at Hoot Lake Units #2 and #3. 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 extension of the Big Stone planned outage to replace turbine blading that was deemed needing repair when inspected during the planned major overhaul. As discussed elsewhere in this filing, market prices were higher in 2021 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 2021 period were (\$29,068,918) (system basis). Congestion within SPP resulted in a revenue of \$943,152 for the period of January through December 2021.

To offset these congestion costs, 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 was \$45,806,243 (system basis) for a net congestion revenue of \$17,680,477 (system basis).

Attachment 10 provides monthly and annual detail of all 2021 MISO Day 2 revenues and (expenses) which include the congestion amounts discussed above.

Attachment 11 provides monthly and annual detail of all 2021 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 2021.

Attachment 3 contains monthly comparisons of forecast to actual amounts for MISO Day 2 charge types for 2021.

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

Otter Tail has no activity to report for this item.

Appendix A – Section 8

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

On February 2, 2006, Otter Tail filed in Docket No. E017/M-03-970 to remove the sunset provision for recovery of the purchase of wind generated energy through the fuel clause under the Order issued January 13, 2005. On July 12, 2006, the Commission granted an extension of the recovery mechanism in place under the January 13, 2005, Order until a final Order is issued in this proceeding and directs the Company to revise its tariff as appropriate. On August 10, 2006, Otter Tail filed the 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 2021.

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 2021 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 2021.

- 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 not cost to Otter Tail. These performance criteria were drafted specifically for this contract and project.

Appendix B
Rule 7825.2820 Independent Auditor's Report

INDEPENDENT ACCOUNTANT'S REPORT

Otter Tail Power Company:

We have performed the procedures enumerated below, which were agreed to by Otter Tail Power Company (the "Company"), solely to assist you with the compliance of Rules 7825.2500 to 7825.2820 governing the forecasted Energy Adjustment Charges, and with the Energy Adjustment Rider as defined in Docket No. E-017/MR-15-1034 and E-999/CI-03-802 by order of the MN Public Utilities Commission (the "Commission"). The Company's management is responsible for maintaining compliance with those requirements. The sufficiency of these procedures is solely the responsibility of the parties specified in this report. The Company's management is responsible for the subject matter.

Otter Tail Power Company (the "Company") has agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of the compliance of Rules 7825.2500 to 7825.2820 governing the forecasted Energy Adjustment Charges, and with the Energy Adjustment Rider as defined in Docket No. E-017/MR-15-1034 and E-999/CI-03-802 by order of the Commission for the year ended December 31, 2021.

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:

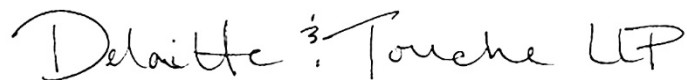
- a. We compared a sample of twelve invoices received from the Company's energy providers to the amount recorded and paid by the Company and found them to be in agreement.
- b. We obtained the base costs of power approved by the Commission (MN Public Utilities Commission – Approved Base Costs of Power, Docket E-017/MR-15-1034) 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, 2021 through December 31, 2021, by customer class. We identified no exceptions between our recalculation and the Company's reported adjustment.
- d. We obtained the accounting records for the revenues billed to customers for energy delivered for the period January 1, 2021 through December 31, 2021. We compared the total sales of electric energy to the Company's general ledger and found them to be in agreement.

- e. We examined twelve individual billings across all customer classes and compared the automatic adjustment charges and credits included in the bills to the billing adjustment charge (credit) reported by the Company and found them to be in agreement.
- f. In the performance of our procedures b. through e. above, we did not identify any corrections to prior FCA charges or other billing errors included in the Company's monthly billing adjustment charges (credits) for the period January 1, 2021 through December 31, 2021.
- g. We performed a reconciliation of total revenue and cost of power from the billing adjustment (charge) calculation to the Company's general ledger for the period January 1, 2021 to December 31, 2021, noting no exceptions.
- h. We recalculated the true-up calculation obtained from the Company for the period from January 1, 2021 to December 31, 2021 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 management's assertions. 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 MN Public Utilities Commission (the "Commission"), and is not intended to be, and should not be, used by anyone other than these specified parties.

The image shows a handwritten signature in cursive script that reads "Deloitte Touche LLP". The signature is written in dark ink and is positioned above the date.

February 25, 2022

Appendix C

Rule 7825.2830 Notice of Report Availability

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



March 1, 2022

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 eDocket's 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-20-462**

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 **1st** day of **March, 2022**.

/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@allte.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
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_15-1033_Official Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_15-1033_Official Service List

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

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
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_20-462_AA-20-462
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_20-462_AA-20-462
Charles	Drayton	charles.drayton@enbridge.com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
Jessica	Fyhrie	jfyhrie@otpc.com	Otter Tail Power Company	PO Box 496 Fergus Falls, MN 56538-0496	Electronic Service	Yes	OFF_SL_20-462_AA-20-462
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-462_AA-20-462

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	No	OFF_SL_20-462_AA-20-462
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-462_AA-20-462
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_20-462_AA-20-462
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-462_AA-20-462
Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_20-462_AA-20-462
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-462_AA-20-462
Bill	Lachowitz	blachowitz@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_20-462_AA-20-462
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-462_AA-20-462
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_20-462_AA-20-462
Kavita	Maini	kmmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_20-462_AA-20-462

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
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_20-462_AA-20-462
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-462_AA-20-462
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
Rate Case Inbox	Rate Case Inbox	mnratecase@otpc.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
Tim	Rogelstad	trogelstad@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56538	Electronic Service	No	OFF_SL_20-462_AA-20-462
Steve	Sanda			101 Park Circle Ottertail City, MN 565717003	Paper Service	No	OFF_SL_20-462_AA-20-462

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_20-462_AA-20-462
Cary	Stephenson	cStephenson@otpc.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	Yes	OFF_SL_20-462_AA-20-462
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_20-462_AA-20-462
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_20-462_AA-20-462
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_20-462_AA-20-462
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_20-462_AA-20-462
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-462_AA-20-462

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Mariah	Bevins	Maria.Bevins@whiteearth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_20-719_Official
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_20-719_Official
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official
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

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James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	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
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

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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
Max	Kieley	max.kieley@ag.state.mn.us	Office of the Attorney General-RUD	1400 Town Square Tower 445 Minnesota Street St. Paul, MN 55101	Electronic Service	Yes	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	Electronic Service	No	OFF_SL_20-719_Official
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_20-719_Official

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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
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	mnratecase@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

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Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_20-719_Official
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl 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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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