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

March 1, 2022



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

(OR PRIVILEGED) DATA HAS BEEN EXCISED

PUBLIC DOCUMENT - NOT PUBLIC

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@otpco.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 Advocates<sup>1</sup> 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

<sup>&</sup>lt;sup>1</sup> 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,<sup>2</sup> 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.<sup>3</sup>

On October 12, 2020, Otter Tail filed Reply Comments in Docket No. E017/AA-19-297 addressing the Department's letters recommending Otter Tail refund approximately (\$8.4) million for FCA over collection between April – September 2020<sup>4</sup>. 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.

<sup>&</sup>lt;sup>2</sup> 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.

<sup>&</sup>lt;sup>3</sup> Otter Tail's August 14, 2020, Reply Comments in Docket No. E017/AA-20-462.

<sup>&</sup>lt;sup>4</sup> 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 overcollections, as authorized by the Commission.

This filing seeks approval for Otter Tail to collect \$700,126<sup>5</sup> 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.

period.

<sup>&</sup>lt;sup>5</sup> 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

#### 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
<a href="mailto:cstephenson@otpco.com">cstephenson@otpco.com</a>

#### 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@otpco.com

# F. Impact on Rates

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

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

#### G. Service List

(Minn. Rules 7829.0700)

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

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

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

#### H. Service on Other Parties

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

Pursuant to Minn. Rule 7829.1300, Subp. 2, Otter Tail served a copy of this Petition on the Department and the Residential Utilities Division of the Office of the Attorney General. A

summary of the filing prepared in accordance with Minn. Rule 7829.1300, Subp. 1 was served on all parties on Otter Tail's general service list.

#### V. DESCRIPTION OF FILING

#### A. FILING OVERVIEW

The primary purpose of this filing is to: (1) demonstrate that Otter Tail's fuel and purchased power costs to serve its customers for 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	\$103,470,069	\$102,058,949	\$1,411,120	1.38%
Power)				
Average On-Peak LMP Prices @	\$45.06	\$25.62	\$19.44	75.89%
OTP.OTP				
Average Off-Peak LMP Prices @	\$30.74	\$18.60	\$12.14	65.30%
OTP.OTP				
MWhs of PPAs and Market	2,108,120	2,437,416	(329,295)	(13.51%)
Purchases				
Total Cost of PPAs and Market	\$69,581,125	\$59,381,149	\$10,199,976	17.18%
Purchases				
Average Cost of PPAs and Market	\$33.01	\$24.36	\$8.64	35.48%
Purchases				

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.
- 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.
- 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 <sup>6</sup>	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 sales<sup>7</sup>. 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 percent<sup>8</sup> of normal while cooling degree days (CDD) were 151.7 percent of normal in 2021.

<sup>&</sup>lt;sup>6</sup> December 31, 2020, Order in Docket No. E017/AA-20-462.

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

<sup>&</sup>lt;sup>8</sup> Actual 2021 HDD = 5794 (91.3% of Normal); Actual 221 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 <sup>9</sup>	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)

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<sup>&</sup>lt;sup>9</sup> 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 <sup>10</sup>	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

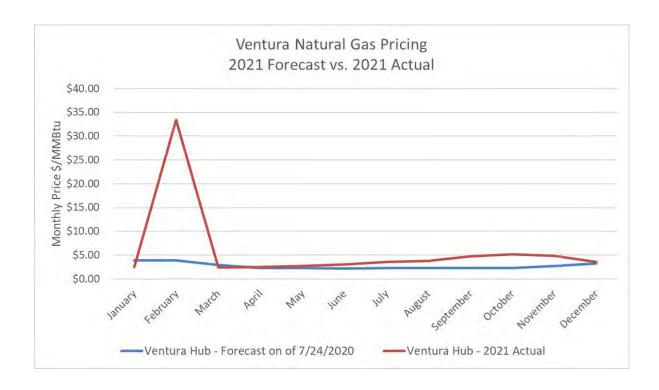
#### 1. Natural Gas Prices

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

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<sup>&</sup>lt;sup>10</sup> 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

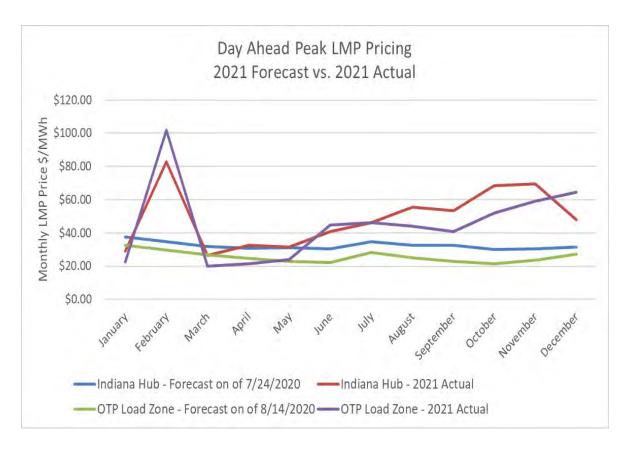
A key input in Otter Tail's Strategist model which was used to develop 2021 forecasted rates is forecasted LMP prices. The model uses these prices to estimate how generating resources will be dispatched based on their respective operating costs to meet forecasted load. When market prices are lower than 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)

	Actual	Forecast		Variance
Generating Unit	MWhs	MWhs	Variance	<b>%</b>
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 Costs <sup>11</sup>	\$41,891,976	\$41,570,398	\$321,578	0.77%

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<sup>&</sup>lt;sup>11</sup> 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-committed 12 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 unit<sup>13</sup> 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 unit<sup>14</sup> 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

<sup>&</sup>lt;sup>12</sup> 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.

<sup>&</sup>lt;sup>13</sup> 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.

<sup>&</sup>lt;sup>14</sup> 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 SPP<sup>15</sup> 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).

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<sup>&</sup>lt;sup>15</sup> 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%)
<b>Total Asset Based Sales</b>	(\$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  $0.001\phi$ ), 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 underrecovery 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  $0.001\phi$ ) 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.

Subpt. 1.A. Commission Approved Base Cost of Fuel

# 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

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 Requ	uirements
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

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# OTTER TAIL POWER COMPANY FUEL CLAUSE ADJUSTMENT FORECAST PETITION ATTACHMENTS

Attachment 1	True-Up for kWh Subject to Energy Adjustment
Attachment 2	Forecast to Actual by Category
Attachment 3	Forecast to Actual Detail by Month with Variance (Not Public)
Attachment 4	Energy Adjustment Rider Rate Schedule
Attachment 5	kWh Sales by Primary Energy Source
Attachment 6	Energy Costs by Primary Energy Source
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Attachment 8	MISO Module E (Not Public)
Attachment 9	MISO Day 2 Charges – MN Share
Attachment 10	MISO Day 2 by Retail, Asset, NonAsset
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Attachment 15-18	MISO ASM Charges
Appendix A	Compliance Items (Not Public)
Appendix B	Rule 7825.2820 Independent Auditor's Report
Appendix C	Rule 7825.2830 Notice of Report Availability

# Otter Tail Power Company True-Up for kWh Subject to Energy Adjustment Rider (EAR) Docket No. E017/AA-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
		***************************************	40,100,000	40,000,010	40,000,000	4-,000,000	<del>+</del> =,== 1,-==	<del>+</del> 5,552,655	<b>4</b> 1,111,001	40,000,000	***************************************	\$3,101,120	4,,000,000	***,****
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)
	Refund of Q2/Q3 2020 Tracker													
7	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)
	Refund of 2018, 2019 and 2020													
9	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	'	'	ı	ı	'	ı	ı	ı		kWh Subject to	EAR (Dec 2020 kW	h in January 2021)		180,165,060
13 14											(1)	\$46,428,469 \$4,441,429		
15 16 17										Overt		Adjusted Recovery Actual Energy Cost	(2) (3) (4)	\$52,407,780
18									Remainder	of 2018-2019 AAA				
19											Current Over/(Und	der) to Customers	(7)	(\$700,126)
20										Fo	precasted kWh Sep	t. 2022 - Dec. 2022	(8)	912,901,078
21												ual True-up Factor	(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)	(1)	(J)	(K)	(L)
Lin e 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 k	Wh in January 2021	)					
15 16		Recovery from F Recovery from b		\$46,428,469 1) \$4,441,429								
17 18		Total adjusted recove Actual energy cost		2) \$50,869,898 3) \$52,407,780								
19		Over/(under) recovery for 2	2021 FCA Year									
20		Remainder of 2018-2019 and 2020 FCA Year		837,755								
21		Current Over/(Under) to Cu	stomers (	(\$700,126)			(5)					
22		Forecasted kWh Sept. 2022	- Dec. 2022 (8	3) 912,901,078		%	(5) Over/(Under) Reco	very				
23		Annual True-up Fact	tor (	(\$0.0008)			-1.34%					
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

- (5) 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."

50.6502% \$52,407,780

(9) Refund to customers / Forecasted kWh September 2022 through August 2023

#### Minnesota COE Calculation

#### FORECASTED COSTS

ne														
0.	A	В	С	D	E	F	G	Н	1	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	g	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		PC 450 440	©E 475 005	@E 074 070	P2 754 425	60.040.000	PO 054 044	<b>#F 220 020</b>	60 F70 070	f0 444 000	£4 040 C02	#0.700.00C	£4.050.404	645.000.045
		\$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 Cha	arges	\$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-Ba	ased 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 Marg	gins	(\$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	se 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 A	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 Tr:	racker 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 Appr	proved 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 Approve	d 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	<u></u>

#### ACTUAL COSTS

ıne																				
lo.	A		В		С	D		E	F		G	Н		1	J		K	L	M	N
17 F	ate Effective month	Ja	anuary-21	Feb	ruary-21	March-	<u>!</u> 1	April-21	May-2	1	June-21	July-2	1	August-21	September-2	1 (	October-21	November-21	December-21	Year End
18 E	ased on Period Ending		01/31/21	2/2	29/2021	03/31/2	1	04/30/21	05/31/2	1	06/30/21	07/31/2	21	08/31/21	09/30/21		10/31/21	11/30/21	12/31/21	Total
40	Plant Constitution	•	4 000 404		0.070.000		004	0.070.704		005 6	5 404 000		. 500 6	0.004.000	0 4444.57		4.050.000	n 4445445		<b>850,000,500</b>
19	Plant Generation	\$	4,890,124	\$ 6	6,270,826	\$ 3,553		_,_,,	\$ 4,031		,,	, , , ,	,568 \$	6,204,032	\$ 4,114,57	- +	4,656,089	\$ 4,445,115		
20	Wholesale Market Charges	\$	577,501	\$	(107,753)		340) \$	,		,411) \$	,		,875 \$	163,545	\$ (985,76	,	(1,538,771)	\$ (953,115)	, ,	
21	Purchased Power (1)	\$	3,888,832	\$ 9	9,124,667	\$ 4,115	834 \$	3,969,849	\$ 4,467	,	4,862,631	\$ 3,105	,809 \$	3,851,936	\$ 2,205,38	2 \$	6,952,229	\$ 12,057,108		\$69,581,124
22	Wind Curtailment	\$	3,207	\$	5,615	\$ (3	759) \$	170,057	\$ (53	,034) \$	17,113	\$ 64	,620 \$	(25,779)	\$ (5,65	7) \$	46,014	\$ 89,424	\$ 29,747	\$337,570
23	Fuel costs of Asset-Based Sales	\$	(330,531)	\$ (1	1,048,149)	\$ (619	142) \$	(306,326)	\$ (672	,934) \$	(1,298,661)	\$ (2,127	,078) \$	(1,411,826)	\$ (1,553,26	3) \$	(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)	\$ (53,55	5) \$	(8,347)	\$ 4,971	\$ (18,425)	(\$560,492)
25	MN Asset-Based Margins	\$	6,404	\$ (1	1,895,977)	\$ 52	914 \$	111,476	\$ (83	,356) \$	(491,240)	\$ (323	,575) \$	(557,778)	\$ (193,11	8) \$	(159,130)	\$ (28,246)	) \$ (558,285)	(\$4,119,910)
26 <b>F</b>	uel Costs and Purchase Power for System Use		\$8,984,775	\$12	2,259,410	\$6,739	893	\$5,532,257	\$6,476	,879	\$7,105,698	\$8,473	,293	\$8,133,365	\$3,528,59	9	\$9,190,794	\$14,991,200	\$12,053,906	\$103,470,069
27 <b>E</b>	inergy for System Use (kWh)	4	182,448,774	461	1,377,536	446,527	559	409,647,973	351,240	,674	363,865,633	368,366	i,138	387,057,252	349,232,88	2	319,965,945	382,935,886	449,364,382	4,772,030,634
28 🗚	actual Cost per kWh		0.018623		0.026571	0.01	094	0.013505	0.018	3440	0.019528	0.02	3002	0.021013	0.01010	4	0.028724	0.039148	0.026824	0.021683

<sup>(1)</sup> Includes PPAs, shared loads, Bilateral purchases, MISO and SPP Market purchases

			January	/ 2021 Forecast to	Actual - Expen	se (Revenue)	
			January 2021 Forecast	January 2021 Actual			Notes
Line		Generation	[PROTECTED DAT	A BEGINS			110103
2		Big Stone Coyote	-			-	
3		Hoot Lake #2 Hoot Lake #3					Actuals include Hoot Lake #2 and #3 combined
5 6		Total Coal	\$ 5,766,635	\$ 4,806,011		ED DATA ENDS] -16.66%	
7 8		Langdon Wind	[PROTECTED DAT		, ,,,,,,,,,		
9		Ashtabula Wind	Ī				
10 11		Luverne Wind Merricourt					
12		Total Wind	\$ -	\$ -	PROTECT	ED DATA ENDS] 0	
14 15		Total Hydro	\$ -	\$ -	\$ -	0	
16 17		•	PROTECTED DAT		_	_	
18		Jamestown 1 Jamestown 2	-				
19 20		Lake Preston Fergus Control Center	-				
21		Total Oil - Peaking Units	\$ -	\$ 15,895		ED DATA ENDS] 0	
23 24		Natural gas - Solway	[PROTECTED DAT	A BEGINS			
25 26		Natural gas - Astoria			PROTECT	ED DATA ENDS	
27		Total Natural Gas					
28 29		Solar - Blue Jay	PROTECTED DAT	A BEGINS			
30 31		Solar - Blue Heron			PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$ -	\$ -	0	
34		Total OTP-Owned	\$ 6,152,148	\$ 4,890,124	\$ (1,262,025)	-20.51%	
35 36		esale Market Charges					
37 38	#######	MISO Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	#######	DA FBT Loss Amount DA Non-asset Energy Amount***			\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
41	#######	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ - \$ (179,950)	\$ - \$ (147,108)	\$ - \$ 32,842		Energy Amounts - included/embedded within Market Purchases
43		RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44 45		DA Loss Amount RT Loss Amount	\$ 489,377 \$ 14,232			4.44% 69.58%	
46 47	#######	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$ - \$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
48 49		DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
50 51	#######	DA Mkt Admin Amount RT Mkt Admin Amount	\$ 76,138	\$ 60,829	\$ (15,309)	-20.11% -19.72%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	#######	FTR Mkt Admin Amount	\$ 2,113	\$ 2,360	\$ (1,432)	11.65%	Excluded from Total MISO Wholesale Market Charges - Not MIN EAR Applicable  Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54		DA FBT Congestion Amount DA Congestion	\$ 235,808	\$ 802,920	\$ - \$ 567,112	240.50%	
55 56	#######	RT FBT Congestion Amount RT Congestion	\$ - \$ (12,070)	\$ - \$ (37,447)	\$ -	210.24%	
57 58	#######	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ (342,730) \$ (19,459)	\$ (401,314)		17.09% -19.65%	
59	#######	FTR Yearly Allocation Amount	\$ (1,389)	\$ (50,972)	\$ (49,583)	3569.83%	
60	#######			\$ (19,034)		-100.00% -318.53%	
62	555.3	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ (4,333) \$ (183,251)	\$ 41,901 \$ (389,492)		-1067.00% 112.55%	
64 65	555.3 555.4	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 183,138 \$ 4,486	\$ 384,963 \$ 2,175		110.20% -51.52%	
66 67	555.4	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ (30,106)		\$ 6,282	-20.86%	
68	#######	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,771	\$ 10,861	\$ 2,090	23.83%	
69 70	#######	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount		\$ 11,277	\$ (10,811)	-42.49% -48.95%	
71 72	#######	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (19,681) \$ (12,497)	\$ - \$ (50,751)	\$ 19,681 \$ (38,254)	-100.00% 306.09%	
73 74	#######	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 42,457 \$ 18,176		\$ 43,761	103.07% -100.00%	
75	#######	RT Net Inadvertent Amount	\$ 1,235	\$ (412)	\$ (1,647)	-133.35%	
76 77	555.5	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ - \$ -	\$ 5,658		0	
78 79	555.6	DA Ramp Product RT Ramp Product	\$ (912) \$ (148)	\$ (346)	\$ (198)	-68.98% 133.13%	
80 81	555.6	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 15,692 \$ -	\$ 3,800	\$ (11,892) \$ -	-75.78% 0	Energy Amounts - included/embedded within Market Purchases
82 83	555.5	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA			\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
84	#######	DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
87 88		-		\$ (21,866)	\$ (21,866)	0	
89 90		Total MISO Wholesale Market Charges	\$ 227,182	\$ 725,918	\$ 498,737	219.53%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91	######	SPP Wholesale Market Charges	\$ -	\$ -	¢	_	Energy Amounts included/ombedded within Mediat Divebases
92	#######	DA Asset Energy Amount*** DA Non-asset Energy Amount	\$ -	\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94 95	#######	RT Asset Energy Amount*** RT Non-Asset Energy Amount	\$ -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
96 97	#######	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$ - \$ 101	\$ - \$ 365	\$ - \$ 264	261.86%	
98	#######	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount		\$ -	\$ -	-24.15%	
100	#######	DA Regulation-Down Distribution Amount	\$ 9	\$ 26	\$ 17	191.62%	
101	#######	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 13 \$ 14	\$ 41	\$ 27	314.53% 193.61%	
103 104	#######	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 2 \$ (0)		\$ 0 \$ 0	10.31% -100.00%	
105 106	#######	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (11,752) \$ (1)		\$ 916 \$ 1	-7.80% -100.00%	
107		RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ (0) \$ (1)	\$ -	\$ 0 \$ 1		
109	#######	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	#######	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (59,807)	\$ (116,172)		-100.00% 94.25%	
112	#######	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (19,437) \$ (9)			13.36% -735.84%	
114	#######	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount		\$ -	\$ -	0	
110	./********	TO Domana Neurotion Distribution Amount	· ·	· -	· -	. 0	

116	EEE 20	RT Schedule 1A3 Amount	\$		\$	7	\$	7	0	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A3 Amount	\$	-	S	36		36		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	9	28		22	321.05%	
118			\$	/	s	(0)		(0)	321.05%	
120			\$	-	\$	(0)	\$	(0)	0	
	555.27			(00.050)		(440.447)		(57.500)		
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	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-		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	93	-	\$	(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	Purchas	sed Power								
146			[PRO	TECTED DAT	A B	GINS				
147		Edgeley PPA								
148		Langdon PPA	Γ						•	
149		Ashtabula III PPA	Г							
150		Tribal (WAPA)	Γ						,	Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Г							
152		Shared Loads	Г							
153		Small Co-gen	_						,	
154		Bilateral purchases	Γ							
155		Market Purchases	_						•	MISO and SPP Energy
156								PROTECTE	D DATA ENDS	***
157		Total Purchases	\$	5,120,567	s	3,888,833	\$	(1,231,734)		Tribal (WAPA) excluded from Total
158		Total Failonacoo	<u> </u>	-,0,00.	Ť	-,0,000	Ť	(.,==1,704)	24.0070	COMMUNICATION CO
159	Wind Co	urtailment	s	9,740	s	3,207	\$	(6.533)	-67.07%	
160			Ť	0,.40	Ť	0,201	Ť	(0,000)	J01 /0	
161	Accet B	ased Sales	\$	1.052.759	•	324,128	\$	(728,631)	-69 21%	Credit to MN FCA Calculation - Subtracted from Total
162	A3361 D	Fuel Costs	S	530.017		330,531	\$	(199,486)	-37.64%	Oreal to Wild 1 OA Calculation - Subtracted Holli Total
163		Asset Based Margins	9			(6,404)		(529,146)	-101.22%	
164		Asset Dased Wargins	9	JLZ,14Z	۴	(0,404)	Ψ	(523,140)	-101.22/0	
165	Total C	rstem - Plant Level	\$	10.337.238		0.004.775		(1.352.463)	42 000/	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
601	i otal S	stem - Flant Level	9	10,337,238	ı ə	0,304,775	9	(1,352,463)	-13.08%	Tribal (WAPA) excluded from Total, Asset Based Sales subtracted from Total

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

г			January 2024 F	areaset to Astual	NAVA/LI	
ŀ			January 2021	January 2021	WIVVI	
Line	Plant G	eneration	Forecast [PROTECTED DAT	Actual		Notes
1	Fiant G	Big Stone	-	A BEGINS	_	
3		Coyote Hoot Lake #2			_	Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #2	-		_	Actuals moldae Floor Earle #2 and #3 combined
5 6		Total Coal	P	ROTECTED DATA EI 233,057	NDS]	
7			[PROTECTED DAT			
- 8 - 9		Langdon Wind Ashtabula Wind	-	-		
10		Luverne Wind	-			
11		Merricourt	P	ROTECTED DATA EI	NDS1	
13		Total Wind	90,527	73,240		
14 15		Total Hydro	1,699	2,249		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2	_			
19 20		Lake Preston Fergus Control Center	_	-		
21			Р	ROTECTED DATA EI	NDS]	
22		Total Oil - Peaking Units	PROTECTED DAT	A BEGINS		
24		Natural gas - Solway	-			
25 26		Natural gas - Astoria	P	ROTECTED DATA EI	NDS]	
27 28		Total Natural Gas	9,451 [PROTECTED DAT	2,392		
29 30		Solar - Blue Jay	LENGTED DAT	A DEGINO		
30 31		Solar - Blue Heron	Di	ROTECTED DATA EI	NDS1	
32		Total Solar	Pi	2	נטטו	
33 34		Total OTP-Owned	375,986	310,940	H	
35			010,000	010,540		
36 37	Wholesa	ale Market Charges MISO Wholesale Market Charges		-		
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39 40	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
43	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44 45		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
47 48	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.13	FTR Mkt Admin Amount	N/A	N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58 59		FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
60	555.17	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61 62	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72	555.42	RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73 74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A	N/A		
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79	555.63	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82		RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.05	DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A	N/A		
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A N/A	N/A N/A		
88			IN/A	IN/A		
89 90		Total MISO Wholesale Market Charges				
91		SPP Wholesale Market Charges				
92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95 96	555 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98 99		RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101 102	555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
103 104	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106 107	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109 110		RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112 113	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
114	555.26	ARR Closeout Yearly Amount	N/A	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		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		Tri Concodio 1771 o di non chargo typo in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	000.21	Total SPP Wholesale Market Charges	1471	1471		
122		Total of F Wholesale market enarges				
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	Purchas	ed Power				
146			[PROTECTED DAT	A 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			PF	ROTECTED DATA E	NDS]	
157		Total Purchases	186,848	179,785		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	320	101		
160						
161	Asset B	ased Sales	24,446	16,759		Credit to MN FCA Calculation - Subtracted from Total
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs			L_	Based Sales
			_			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164						
165	Total Sy	stem - Plant Level	538,708	474.067		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

[				recast to Actual -	\$ per MW	/h
			January 2021	January 2021		Notes
Line	Plant G	eneration	Forecast [PROTECTED DATA	Actual A BEGINS		Notes
1 2		Big Stone Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3		PROTECTED DAT	A ENDSI	
6		Total Coal	\$ 21.02	\$ 20.62		
7 8		Langdon Wind	[PROTECTED DATA	A BEGINS		
9		Ashtabula Wind				
10		Luverne Wind Merricourt	-			
12		Total Wind		PROTECTED DAT	A ENDS]	
13 14		Total Willia	\$ -	\$ -		
15 16		Total Hydro	\$ - [PROTECTED DATA	\$ -		
17		Jamestown 1	-	- DEGINO		
18 19		Jamestown 2 Lake Preston	-	-		
20		Fergus Control Center			<u> </u>	
21		Total Oil - Peaking Units	\$ -	PROTECTED DAT \$ -	A ENDS]	
23			PROTECTED DATA	A BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	-			
26				PROTECTED DAT	A ENDS]	
27 28		Total Natural Gas	\$ 40.79 [PROTECTED DATA			
29		Solar - Blue Jay				
30 31		Solar - Blue Heron		PROTECTED DAT	A ENDS]	
32 33	·	Total Solar	\$ -	\$ -		
34		Total OTP-Owned	\$ 61.81	\$ 49.14		
35 36	Wholes	ale Market Charges				
37		MISO Wholesale Market Charges	*17*	N/A		
38	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41 42	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
43	555.21	RT FBT Loss Amount	N/A	N/A		
44 45		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49 50		RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.18	RT Mkt Admin Amount	N/A	N/A		
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
54		DA Congestion	N/A	N/A		
55 56	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
57 58		FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60 61	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
63 64	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66 67	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68		DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69 70	555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
71 72	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
74 75	555.25	RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
77 78		RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80 81	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	<u> </u>	
82	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A	N/A		
84	555.06	DA Losses Rebate on COGA	N/A N/A	N/A N/A		
85 86	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
87	333.23	Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A N/A	N/A N/A		
88 89		Total MISO Wholesale Market Charges				
90		-				
91 92	555.19	SPP Wholesale Market Charges  DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94 95		RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A	N/A		
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105 106	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
107	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108 109		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111 112		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114 115		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		

116 117 118 119	555.30	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	N/A N/A	N/A N/A		RT Schedule 1A3 is a new charge type in 2021  RT Schedule 1A4 is a new charge type in 2021
118 119			N/A			
119			N/A	N/A		RT Scriedule TA4 is a new charge type in 2021
		DA GFA Carve Out Distribution Deployment Daily Amount	N/A N/A	N/A N/A		
		DA GFA Carve Out Distribution Deployment Monthly Amount				
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	Purchase	ed Power				
146			[PROTECTED DAT.	A 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 DA		
157		Total Purchases	\$ 27.40	\$ 21.63		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	rtailment	\$ 30.40	\$ 31.76		
160						
161	Asset Ba	sed Sales	\$ 43.06	\$ 19.34	1	End Cost MAN and March MAN are as a second of Manda and a second o
		5 10 ·	****			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A	4	Based Sales
ı					1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
		Asset Based Margins	N/A	N/A	4	Based Sales
163						
163 164 165		stem - Plant Level	\$ 19.19	\$ 18.95		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

[			February February 2021	2021 Forecast to		e (Revenue)	
			Forecast	Actual			Notes
Line 1		eneration Big Stone	PROTECTED DA	TA BEGINS			
3		Coyote Hoot Lake #2	-				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3					
5 6		Total Coal	\$ 4,964,020	\$ 5,461,247		ED DATA ENDS] 10.02%	
7 8		Langdon Wind	[PROTECTED DA	TA BEGINS			
9		Ashtabula Wind	-				
10		Luverne Wind Merricourt					
12		Total Wind	•	s -	PROTECT	ED DATA ENDS]	
14			_			ľ	
15 16		Total Hydro	PROTECTED DA	TA BEGINS	\$ -	0	
17 18		Jamestown 1 Jamestown 2	-	•	•	•	
19		Lake Preston	-				
20 21		Fergus Control Center			PROTECT	ED DATA ENDS]	
22		Total Oil - Peaking Units	[PROTECTED DA	TA BEGINS	1	1	
24 25		Natural gas - Solway Natural gas - Astoria		•	•		
26				ļ		ED DATA ENDS]	
27 28			\$ 211,068 [PROTECTED DA		\$ 106,434	50.43%	
29 30		Solar - Blue Jay Solar - Blue Heron					
31 32			•	s -	PROTECTI	ED DATA ENDS]	
33		Total Solar				ļ	
34 35		Total OTP-Owned	\$ 5,175,09	\$ 6,270,826	\$ 1,095,731	21.17%	
36 37		ale Market Charges MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$ - \$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ - \$ (164,150	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
43		RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44 45		DA Loss Amount RT Loss Amount	\$ 446,408 \$ 12,983			228.01% 56.21%	
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0	
49 50		RT Virtual Energy Amount  DA Mkt Admin Amount	\$ 67,46	\$ - 6 \$ 70,035			Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 5,63 \$ 1,56				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable  Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	
54 55		DA Congestion RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ (11,01° \$ (312,63°				
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (17,750 \$ (1,26)	) \$ (19,086		7.53%	
60	555.35	FTR Monthly Transaction Amount	\$ (8,59)	95,607	) \$ (87,010)	1012.13%	
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ (8,934 \$ 10,782				
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (183,25° \$ 183,138			) 112.55% 110.20%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,485	\$ 2,175	\$ (2,310)	-51.51%	
66 67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA		\$ -	\$ -	0	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 9,95°	\$ 38,813 ) \$ (9,157			
70 71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 478,862		2067.89%	
72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (19,68° \$ (12,49°	) \$ (15,005	) \$ (2,508)	) 20.07%	
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 42,457 \$ 18,176		\$ (293,694) \$ (17,419)		
75 76	555.27	RT Net Inadvertent Amount	\$ 1,235				
77	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ -	\$ 65,050	\$ 65,050	0	
78 79	555.64	DA Ramp Product RT Ramp Product	\$ (72		\$ 139	-192.26%	
80 81	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 15,692 \$ -			-71.70%	Energy Amounts - included/embedded within Market Purchases
82	555.56	RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
83 84	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
87	223.20	Net Congestion and Losses Adjustment & No DA Generation Schedul	\$ -	\$ 32,936			
88 89		Total MISO Wholesale Market Charges	\$ 211,40	\$ 724,804	\$ 513,403	242.86%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91		SPP Wholesale Market Charges		<u> </u>			
92 93	555.19	DA Asset Energy Amount*** DA Non-asset Energy Amount	s -	\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$ - \$ -	\$ -	\$ - \$ -	0	
97 98	555.10	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount		\$ -	\$ (99)	97.92%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 10	\$ (4	) \$ (14)	-141.64%	
100	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$ 13		\$ (9) ) \$ (14)	-107.22%	
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount			) \$ (15)		
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0	) \$ -	\$ 0	-100.00%	
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount		) \$ -	\$ 1	-100.00%	
107 108	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount		) \$ -	\$ 0 \$ 1		
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0	) \$ -	\$ 0	-100.00%	
110 111	555.20		\$ (54,556	(43,342		-20.55%	
112 113		RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (17,730 \$ (9	(305,326	\$ (287,596) \$ 9		
114 115	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ -	\$ - \$ -	\$ - \$ -	0	
110	JJJ.20	11. Domana Reduction Distribution Afficult	· -	ΙΨ -	- Ψ		1

		Int a contract of the contract	•							DT 0 1 1 1 100 1
116		RT Schedule 1A3 Amount	\$	-	\$		\$	0		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$	-	\$	1		1		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	(1)		(8)	-112.72%	
119		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)	904.75%	
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	\$	-	(A)	-	\$		0	New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	s	-	s	-	\$			New charge type in 2021
130		Day Ahead Spinning Reserve Amount	\$	(14,101)	s,	(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	S	772	S	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	2,991	\$	680	29.41%	
138		Short-Term Reserve Deployment Failure Charge Amount	S	-	s	-	S	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1.896	s	(34)	\$	(1.930)	-101.78%	
140		Total MISO ASM	Ś	(15,378)	s	(89.820)	Ś	(74,442)	484.06%	
141								` ′ ′		
142		Total Wholesale Market Charges	S	113,161	\$	(197,573)	\$	(310,733)	-274.59%	
143				,	Ť	(101),010/	Ť	(= 1 = )		
144										
145	Purcha	sed Power								
146			[PRO	TECTED DAT	АВ	EGINS				
147		Edgeley PPA								
148		Langdon PPA	_							
149		Ashtabula III PPA	-							
150		Tribal (WAPA)	-							Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	<u> </u>						•	The state of the s
152		Shared Loads	Ť.							
153		Small Co-gen	Ε.							
154		Bilateral purchases	۲						•	
155		Market Purchases	i i							MISO and SPP Energy Only
156					-		-	PROTECTE	D DATA ENDS1	
157		Total Purchases	\$	5.216.126	•	9,124,667		3,908,542		Tribal (WAPA) excluded from Total
158		Total Fulchases	Ψ	3,210,120	۳	3,124,007	<u> </u>	5,500,042	17.33/0	Thousand The Transport of the Total
159	Wind C	urtailment	\$	5,479	•	5.615	•	136	2.48%	
160	TTIIIU C	di tallillorit	Ψ	3,473	۴	3,013	-	130	2.40 /0	
161	Accet E	lased Sales	s	283,027		2,944,125	e	2,661,098	940 229/	Credit to MN FCA Calculation - Subtracted from Total
162	ASSEL	Fuel Costs	\$	198.892		1.048.149		849.256	426.99%	OFCUIL TO ININ FOR CALCULATION - SUDMACIED HOME TOTAL
163		Asset Based Margins	\$	84,135		1,895,977		1.811.842	2153.50%	
164		ASSEL DASEU IVIALUITIS	φ	04,133	Ψ	1,035,977	φ	1,011,042	2100.00%	
	Total C	retern. Plant Level	s	40 226 024	-	42.250.442		2 022 572	40.070/	Tribal (MADA) avaluded from Total: Asset Daned Colon subtract - 15 T-1-1
165	i otal S	ystem - Plant Level	ð	10,226,834	۱ş.	12,259,410	•	2,032,576	19.87%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

				Forecast to Actual -	MWH	
			February 2021 Forecast	February 2021 Actual	ĺ	Notes
Line	Plant Ge	eneration	[PROTECTED DAT	A BEGINS		110.00
2		Big Stone Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
<u>4</u> 5		Hoot Lake #3	P	ROTECTED DATA E	NDS1	
6 7		Total Coal	224,240 [PROTECTED DAT			
8		Langdon Wind		IA BEGINS		
9		Ashtabula Wind Luverne Wind		-		
11		Merricourt				
12		Total Wind	P 83,492	ROTECTED DATA E 62,282	NDS	
14						
15 16		Total Hydro	1,534 [PROTECTED DAT	2,045 FA BEGINS		
17 18		Jamestown 1		1		
19		Jamestown 2 Lake Preston				
20		Fergus Control Center	P	ROTECTED DATA E	NDS1	
22		Total Oil - Peaking Units		1,970		
23 24		Natural gas - Solway	[PROTECTED DAT	A BEGINS		
25 26		Natural gas - Astoria	D	ROTECTED DATA E	NDS1	
27		Total Natural Gas	4,393	5,638	NDS	
28 29		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
30		Solar - Blue Heron		DOTEO		
31 32		Total Solar	P	ROTECTED DATA E	ND\$]	
33			010.05			
34 35		Total OTP-Owned	313,659	326,316	E	<u> </u>
36		ale Market Charges MISO Wholesale Market Charges				
37 38	555.02	DA Asset Energy Amount***	N/A	N/A		
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	H	
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44		DA Loss Amount	N/A	N/A		
45 46	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A	E	
47 48		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.13	FTR Mkt Admin Amount	N/A	N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A N/A	N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58		FTR Monthly Allocation Amount	N/A	N/A		
59 60	555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71	555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72 73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79	555.63 555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A		
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A	N/A N/A	E	<u> </u>
83	555.05	DA Congestion Rebate on COGA	N/A	N/A		
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
86 87		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A N/A	N/A N/A		
88			14/A	14//		
89 90		Total MISO Wholesale Market Charges			-	
91		SPP Wholesale Market Charges		8,000		
92		DA Asset Energy Amount***  DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94 95	555.09	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98		RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 555.05	DA Regulation-Down Distribution Amount  DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A	-	
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103 104		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
106 107	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111 112		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114 115		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A	L	<u> </u>
		and the second of the second o				

116	555 29	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		Tri Concodio 1771 o d non chargo typo in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	000.E1	Total SPP Wholesale Market Charges	1071	1471		
122		Total of F Thiolocale market enarged				
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		New charge type in 2021
131		Real Time Spinning Reserve Amount	N/A	N/A		
132		Spinning Reserve Cost Distribution Amount	N/A	N/A	1	
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	1	
136		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	+	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	1	
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		New charge type in 2021
140		Total MISO ASM	IVA	IWA		
141		Total Miloo Adm			1	
142		Total Wholesale Market Charges			1	
143		Total Wholesale Market Charges			+	
144						
145	Durchas	sed Power			1	
146	i ui ciiue	1046	[PROTECTED DAT	A REGINS	1	
147		Edgeley PPA	[FROTEOTED DAT	A DEGINO	1	
148		Langdon PPA		•		
149		Ashtabula III PPA		•		
150		Tribal (WAPA)		•	1	Not Applicable to EAR - Excluded from Total
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			PF	ROTECTED DATA E	NDS1	
157		Total Purchases	186.245	212.312		Tribal (WAPA) excluded from Total
158		Total Fulchases	100,240	212,312	_	Thou (Triality shoulded from Total
159	Wind Co	ırtailment	180	176		
160			100	110		
161	Asset R	ased Sales	8.787	31.597		Credit to MN FCA Calculation - Subtracted from Total
101	neset D	uoou ouioo	5,767	51,057	_	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs			l	Based Sales
.02		1 401 00010				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins			Ì	Based Sales
164		nooti basta margino			-	Dasca Gales
165	Total Su	stem - Plant Level	491,297	507.207	-	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	TOTAL SY	Steill - Flant Level	491,297	501,207	1	THIDAT (WALEA) CAGIGGEO HOTH TOTAL ASSET DASED SAIES SUBTRACTED FROM TOTAL

ŀ			February 2021 Fe February 2021	orecast to Actual	- \$ per MV	Vh T
			Forecast	Actual		Notes
Line	Plant Ge	eneration	[PROTECTED DATA			
1		Big Stone		-		
3		Coyote Hoot Lake #2	•	-		Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3	Ť			
5		Total Coal		PROTECTED DAT	A ENDS]	
- 6 7		I otal Coal	[PROTECTED DATA	A BEGINS		
8		Langdon Wind	ľ			
9		Ashtabula Wind		_		
11		Luverne Wind Merricourt	-	-		
12				PROTECTED DAT	A ENDS	
13 14		Total Wind	\$ -	\$ -		
15		Total Hydro	s -	\$ -		
16			[PROTECTED DAT	A BEGINS		
17 18		Jamestown 1 Jamestown 2	-	-		
19		Lake Preston	<del> </del>	-		
20		Fergus Control Center				
21		Total Oil - Peaking Units		PROTECTED DAT	A ENDS]	
23		Total on Touring office	[PROTECTED DAT			
24		Natural gas - Solway				
25 26		Natural gas - Astoria		PROTECTED DAT	Δ FNDS1	
27		Total Natural Gas	\$ 48.05	\$ 56.31	, LINDOJ	
28		Calar Diva lav	[PROTECTED DATA	A BEGINS		
29 30		Solar - Blue Jay Solar - Blue Heron	<del> </del>			
31				PROTECTED DAT	A ENDS]	
32		Total Solar	\$ -	\$ -		
33 34		Total OTP-Owned	\$ 70.18	\$ 77.78		
35						
36 37	Wholesa	ale Market Charges 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		DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43 44	555.21	RT FBT Loss Amount	N/A N/A	N/A N/A		
44		DA Loss Amount RT Loss Amount	N/A N/A	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 49		DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51		RT Mkt Admin Amount	N/A	N/A		
52 53		FTR Mkt Admin Amount  DA FBT Congestion Amount	N/A N/A	N/A N/A		
54		DA Congestion	N/A	N/A		
55 56	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
57		FTR Hourly Allocation Amount	N/A	N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59 60	555.17 555.25	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61		FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	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 68		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72		RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
74 75		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
76		RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77		RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79		DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
82		DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84	555.06	DA Losses Rebate on COGA	N/A	N/A		
85 86	555.22 555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
87	JJJ.23	Net Congestion and Losses Adjustment & No DA Generation Sched	N/A N/A	N/A N/A		
88						
89 90		Total MISO Wholesale Market Charges				
91		SPP Wholesale Market Charges	<u> </u>	<u> </u>		
92		DA Asset Energy Amount***	N/A	N/A		
93 94	555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
95	555	RT Non-Asset Energy Amount	N/A	N/A		
96 97	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98		RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
		DA Regulation-Down Distribution Amount  DA Regulation-Lin Distribution Amount	N/A N/A	N/A N/A		
100		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
100 101 102	555.06		N/A	N/A		
101 102 103	555.06 555.07	DA Supplemental Reserve Distribution Amount		N/A		I .
101 102 103 104	555.06 555.07 555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A			
101 102 103 104 105 106	555.06 555.07 555.08 555.11 555.12	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
101 102 103 104 105 106 107	555.06 555.07 555.08 555.11 555.12 555.13	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A N/A	N/A N/A N/A		
101 102 103 104 105 106 107 108	555.06 555.07 555.08 555.11 555.12 555.13 555.14	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A N/A N/A	N/A N/A N/A N/A		
101 102 103 104 105 106 107 108 109	555.06 555.07 555.08 555.11 555.12 555.13 555.14 555.16 555.17	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
101 102 103 104 105 106 107 108 109 110	555.06 555.07 555.08 555.11 555.12 555.13 555.14 555.16 555.17 555.2	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A		
101 102 103 104 105 106 107 108 109	555.06 555.07 555.08 555.11 555.12 555.13 555.14 555.16 555.17 555.2	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Segulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Speudo Tie Congestion Amount	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
101 102 103 104 105 106 107 108 109 110 111	555.06 555.07 555.08 555.11 555.12 555.13 555.14 555.16 555.17 555.2 555.23	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		

						<b>1</b>
116		RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
119		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		<u> </u>
140		Total MISO ASM				
141						
142		Total Wholesale Market Charges				
143		-				
144						
145	Purchas	sed Power				
146			[PROTECTED DATA	A BEGINS		
147		Edgeley PPA				
148		Langdon PPA	Ī			
149		Ashtabula III PPA	-			
150		Tribal (WAPA)	-			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Ī'			
152		Shared Loads	Ī			
153		Small Co-gen	-			
154		Bilateral purchases				
155		Market Purchases	Ī'			MISO and SPP Energy Only
156				PROTECTED DA	TA ENDS]	
157		Total Purchases	\$ 28.01	\$ 42.98		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	\$ 30.40	\$ 31.97		
160						
161	Asset B	ased Sales	\$ 32.21	\$ 93.18		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A		Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
400		Asset Based Margins	N/A	N/A		Based Sales
163						1
163 164						l •
	Total Sv	rstem - Plant Level	\$ 20.82	\$ 24.17		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			Ma	March 20 rch 2021	21 Forecast t March 202		tual - Expense (	Revenue)	
			Fo	orecast	Actual				Notes
Line 1	Plant G	eneration Big Stone	[PROT	ECTED DATA	A BEGINS				
3		Coyote Hoot Lake #2	Ŧ						Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3							Pictuals include Floor Lake #2 and #0 combined
5 6		Total Coal	\$	5,437,445	\$ 3,477,9	85	PROTECTE \$ (1,959,460)	D DATA ENDS] -36.04%	
7 8		Langdon Wind	[PROT	ECTED DATA					
9		Ashtabula Wind	‡						
10 11		Luverne Wind Merricourt	ł					i.	
12 13		Total Wind			s -		PROTECTE \$	D DATA ENDS] 0	
14									
15 16		Total Hydro		ECTED DATA	\$ - A BEGINS	-	\$ -	0	
17 18		Jamestown 1 Jamestown 2	F	•					
19		Lake Preston	‡						
20 21		Fergus Control Center		1			PROTECTE	D DATA ENDS]	
22		Total Oil - Peaking Units		- ECTED DATA		05	\$ 5,305	0	
24		Natural gas - Solway		20122 2711	· DEGIITOIII				
25 26		Natural gas - Astoria						D DATA ENDS]	
27 28		Total Natural Gas		233,927 ECTED DATA		41	\$ (163,986)	-70.10%	
29		Solar - Blue Jay	+				-		
30 31		Solar - Blue Heron	L_	1		1	PROTECTE	D DATA ENDS]	
32		Total Solar	\$		\$ -	_+	\$ -	0	
34 35		Total OTP-Owned	\$	5,671,372	\$ 3,553,2	31	\$ (2,118,141)	-37.35%	
36	Wholes	ale Market Charges				#			
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	\$		\$ -	=	\$ <u>-</u>	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	S		\$ - \$ -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$	-	\$ -		\$ -	0	Energy Amounts - included/embedded within Market Purchases  Energy Amounts - included/embedded within Market Purchases
42 43	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	\$		\$ -		\$ -	19.32% 0	
44 45		DA Loss Amount RT Loss Amount	\$	432,858 12,589			\$ 219,690 \$ (66,754)	50.75% -530.27%	
46	555.26	RT Non-Asset Energy Amount***	\$	-	\$ -		\$ -	0	Energy Amounts - included/embedded within Market Purchases
47 48		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	\$		\$ - \$ -		\$ - \$ -	0	
49 50		RT Virtual Energy Amount DA Mkt Admin Amount	\$	- 70,412	\$ 56.3	25		-20.01%	
51	555.18	RT Mkt Admin Amount	\$	6,227	\$ 7,8	56	\$ 1,629	26.16%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	\$	2,792	\$ -	76	\$ -	0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55	555.20	DA Congestion RT FBT Congestion Amount	\$	208,574		21		831.04%	
56		RT Congestion	\$	(10,676)	\$ (478,9	82)	\$ (468,306)	4386.40%	
57 58	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$	(303,148)	\$ (113,9	28)		576.40% 561.94%	
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$	(1,229)		_	\$ 1,229 \$ 8,336	-100.00% -100.00%	
61 62	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$	3,493 (3,494)	\$ (36,4		\$ (39,939)	-1143.54% -1143.16%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$	(181,585)	\$ (394,9	89)	\$ (213,405)	117.52%	
64 65	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$	181,557 4,210		78 52		117.55% -86.90%	
66 67		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$	(17,968)		96)		26.87%	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$	10,148	\$ 9,5	44	\$ (604)	-5.95%	
69 70	555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$	(0) 22,089		93) 69		5881488.89% 310.47%	
71 72	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ \$	(19,681)			\$ 19,681 \$ (25,341)	-100.00% 202.77%	
73	555.28	RT Revenue Neutrality Uplift Amount	\$	42,457	\$ 118,7	87	\$ 76,330	179.78%	
74 75	555.27	RT Misc Amount RT Net Inadvertent Amount	\$	18,176 1,235	\$ 4	25) 63	\$ (772)	-101.79% -62.48%	
76 77	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$		\$ - \$ 42,9	33	\$ - \$ 42.933	0	
78	555.63	DA Ramp Product	\$	(636)	\$ (5	88)	\$ 48	-7.56%	
79 80	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$		\$ 6,1	74 99	\$ (9,493)	-52.07% -60.50%	
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$		\$ - \$ -		\$ - \$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83 84	555.05	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$	-	\$ - \$ -		\$ - \$ -	0	
85	555.22	RT Congestion Rebate on COGA	\$	-	\$ -		\$ -	0	
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu	\$	-	\$ 24,5	53	\$ - \$ 24,553	0	
88 89		Total MISO Wholesale Market Charges		217,606			\$ (283,693)	_420 270/	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		•		217,000	₩ (00,U	v1)	ψ (∠03,093) Ψ	-130.37%	Total Excludes Scriedule to and 17 (Lines 40, 41, 42 Above)
91 92	555.19	SPP Wholesale Market Charges  DA Asset Energy Amount***	\$	-	\$ -	_	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	S	-	\$ -		\$ - \$ -	0	
95	555.00	RT Non-Asset Energy Amount	\$	-	\$ -		\$ -	0	**
96 97	555.10	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$	- 101	\$ -	21	\$ - (80)	-79.48%	
98 99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$	- 10	\$ -	23	\$ -	142.60%	
100	555.04	DA Regulation-Down Distribution Amount	\$	9	\$	3	\$ (6)	-69.15%	
101	555.05 555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$	13 14		7	\$ (6) \$ (10)	-47.09% -68.47%	
103 104	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$	2 (0)	\$	0	\$ (1)	-74.28% -100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$	(10,394)	\$ (43,8	37)	\$ (33,442)	321.73%	
106 107	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	\$	(1) (0)		(0)	\$ (0)	-421.02% 22.35%	
108	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$	(1)	\$	(0)		-81.82% -100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$	(0)	\$ -		\$ 0	-100.00%	
111 112	555.20 555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	\$	(52,900) (17,192)			\$ (7,764)	220.58% 45.16%	
113 114	555.23	Miscellaneous Amount ARR Closeout Yearly Amount	\$	(9)		58		-730.08% 0	
115	555.28	RT Demand Reduction Distribution Amount	\$					0	

		DT 0 1 1 1 110 1	•							Into the transfer of the trans
116		RT Schedule 1A3 Amount	\$	-	\$	1		1		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$	-	\$	5		5		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	3		(4)	-58.00%	
119		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	\$	-	\$	-	\$	-		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	S	772	S	-	\$	(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	S	-	S	-	S	-	0	New charge type in 2021
139		Net Regulation Adjustment Amount	\$	1.896	\$	1.357	\$	(539)	-28.44%	
140		Total MISO ASM	Š	(21,013)	Š	(54,845)		(33,832)	161.00%	
141				, , , , ,		X- //		, , , , , ,		
142		Total Wholesale Market Charges	S	116,251	\$	(359,185)	\$	(475,436)	-408.98%	
143				,	_	(222).227	Ť	(114,144)		
144										
145	Purchas	sed Power								
146			[PRO	TECTED DAT	A BE	EGINS				
147		Edgelev PPA								
148		Langdon PPA	-							
149		Ashtabula III PPA	1							
150		Tribal (WAPA)	1							Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Ť							
152		Shared Loads	t							
153		Small Co-gen	Ť							
154		Bilateral purchases	Ť							
155		Market Purchases	t							MISO and SPP Energy Only
156								PROTECTE	D DATA ENDS	man and and and
157		Total Purchases	\$	3.688.239	\$	4,115,834		427.594		Tribal (WAPA) excluded from Total
158		Total i dichases	*	0,000,200	Ť	-,,004	Ť	,004	11.0070	Thou (Thu h) cholada nom rota
159	Wind Co	urtailment	\$	7,319	\$	(3,759)	s	(11,078)	-151.35%	
160			-	1,010	-	(0,700)	<b>-</b>	(.1,010)	101.0070	
161	Accat B	ased Sales	s	271,527	•	566,228	•	294,700	108 53%	Credit to MN FCA Calculation - Subtracted from Total
162	A3361 D	Fuel Costs	\$	197,266		619,142		421.876	213.86%	Order to Mile 1 On Galculation - Gabitacted Hotel Total
163		Asset Based Margins	\$	74,261	S	(52,914)		(127,175)	-171.25%	
164		noon bassa margina	Ψ	17,201	-	(52,514)	Ψ	(127,173)	-171.23/0	
165	Total C	rstem - Plant Level	\$	9.211.654	e	6 720 002	e	(2.471.761)	26 020/	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	TOTAL 2	Stem - Flant Level	Þ	3,411,004	Þ	0,735,093	, a	(4,4/1,/07)	-20.83%	THIDAL (WAFA) EXCIDED HORT TOTAL ASSET DASED SAIRS SUBTRICTED FROM TOTAL

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

F						
-			March 2021	Forecast to Actua March 2021	I - MW	IH .
Line	Plant	Generation	Forecast [PROTECTED DATA	Actual A REGINS		Notes
1		Big Stone	-	T DEGINGIN		
2		Coyote Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3	PR0	TECTED DATA E	NDS1	
6		Total Coal	259,958	153,813		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9 10		Ashtabula Wind Luverne Wind	-			
11		Merricourt	-			
12 13		Total Wind	83,549	TECTED DATA E 88,127	NDSJ	
14 15		Total Hydro	1,699	2,331		
16			[PROTECTED DAT			
17 18		Jamestown 1 Jamestown 2	_			
19 20		Lake Preston Fergus Control Center	_			
21 22		Total Oil - Peaking Units	PRO	TECTED DATA E	NDS]	
23			[PROTECTED DAT	A BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	_			
26 27		Total Natural Gas	PRO 6,632	TECTED DATA E 1,882		
28			[PROTECTED DAT			
29 30		Solar - Blue Jay Solar - Blue Heron	_			
31 32		Total Solar	PRO	TECTED DATA E	NDS]	
33						
34 35		Total OTP-Owned	351,838	246,164	E	
36 37	Whole	esale Market Charges MISO Wholesale Market Charges				
38	#######	DA Asset Energy Amount***	N/A	N/A		
40	#######	DA FBT Loss Amount  DA Non-asset Energy Amount***	N/A N/A	N/A N/A	E	
41	#######	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
43	#######	RT FBT Loss Amount	N/A	N/A		
44 45		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A	E	
46 47	#######	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48	#######	DA Virtual Energy Amount	N/A	N/A		
	####### ############	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
51 52	#######	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53	#######	DA FBT Congestion Amount	N/A	N/A		
54 55	#######	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	#######	FTR Monthly Allocation Amount	N/A	N/A		
60	555.3	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61 62	#######	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
63	555.3	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65	555.4	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66 67	555.4 #######	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68	#######	DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
70	#######	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71 72	#######	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73	#######	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
	#######	RT Net Inadvertent Amount	N/A N/A	N/A		
76 77		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78 79	555.6	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.6	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82		RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
83	#######	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
85	#######	RT Congestion Rebate on COGA	N/A	N/A		
87	########	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A	E	
88 89		Total MISO Wholesale Market Charges				
90						
	#######	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
93	#######	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
95	555	RT Non-Asset Energy Amount	N/A	N/A		
97	#######	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	E	
		RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100	#######	DA Regulation-Down Distribution Amount	N/A	N/A		
102	#######	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
103	#######	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	#######	RT Over-Collected Losses Distribution Amount	N/A	N/A		
107	#######	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A	E	
108	#######	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110	#######	RT Supplemental Reserve Distribution Amount	N/A	N/A		
112	#######	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
113	#######	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		
	#######	RT Demand Reduction Distribution Amount	N/A N/A	N/A		

116	555.29 RT Schedule 1A3	R Amount	N/A	N/A	$\overline{}$	RT Schedule 1A3 is a new charge type in 2021
117	555.30 RT Schedule 1A4		N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		Out Distribution Deployment Daily Amount	N/A	N/A	-	INT Ocheanie 1744 is a new charge type in 2021
119		Out Distribution Deployment Monthly Amount	N/A	N/A	-	
120		Out Distribution Deployment Yearly Amount	N/A	N/A	-	
121	555.27 DA GFA Carve O	Total SPP Wholesale Market Charges	IV/A	IN/A	$\overline{}$	
121		Total SPP Wholesale Market Charges			-	
	MISO ASM				-	
123			11/4		-	
124	Day Ahead Regu		N/A	N/A	-	
125	Real Time Regula		N/A	N/A	-	
126		Distribution Amount	N/A	N/A	-	
127		-Term Reserve Amount	N/A	N/A	$\overline{}$	New charge type in 2021
128		Term Reserve Amount	N/A	N/A		New charge type in 2021
129		rve Cost Distribution Amount	N/A	N/A		New charge type in 2021
130		ning Reserve Amount	N/A	N/A		
131		ing Reserve Amount	N/A	N/A		
132		e Cost Distribution Amount	N/A	N/A		
133		lemental Reserve Amount	N/A	N/A		
134		emental Reserve Amount	N/A	N/A		
135	Supplemental Re	serve Cost Distribution Amount	N/A	N/A		
136	Contingency Res	erve Deployment Failure Charge Amount	N/A	N/A		
137	Real Time Excess	sive Deficient Energy Deployment Charge Amoun	N/A	N/A		
138	Short-Term Rese	rve Deployment Failure Charge Amount	N/A	N/A	-	New charge type in 2021
139		djustment Amount	N/A	N/A		
140		Total MISO ASM			-	
141						
142		Total Wholesale Market Charges			-	
143					-	
144					-	
145	Purchased Power				-	
146	T di Gildoda i Giroi		IPROTECTED DAT	A REGINS	_	
147	Edgeley PPA		[ NOTED DATE	7. DEG	-	
148	Langdon PPA		_	-		
149	Ashtabula III PPA	1	-	-	$\overline{}$	
150	Tribal (WAPA)	`	-	-	-	Not Applicable to EAR - Excluded from Total
151	WAPA Energy Im	pholonoo	_	-	-	Not Applicable to EAR - Excluded Ironi Total
152	Shared Loads	ibalarice	-	-	-	
153	Small Co-gen		-	-	$\overline{}$	
154	Bilateral purchase		-	-		
154	Market Purchase		_	4		MISO and SPP Energy Only
155	iviai kei irufchase	5	DDO	TECTED DATA EN		INIOO and OFF Lineigy Offiy
		Total Books			ופחו	Telest OMADA) control of feets Total
157		Total Purchases	133,355	168,331		Tribal (WAPA) excluded from Total
158	Wind Out - II			(4.48)	$\overline{}$	
159	Wind Curtailment		241	(118)	-	
160					$\overline{}$	
161	Asset Based Sales		9,273	30,875	$\vdash$	Credit to MN FCA Calculation - Subtracted from Total
1 1					, '	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162	Fuel Costs				لــــا	Based Sales
					, ,	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163	Asset Based Mar	gins				Based Sales
164					. 7	1
165	Total System - Plant Lev		476,161	383,502		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

Month   Proceedings	-						
Part	-					per MWh	
Dec   Proceedings							Notes
Common				PROTECTED DATA	A BEGINS		
Note	2			-			
Total Control Del Association   Total Control Del Associatio   Total Control Del Association   Total Control Del Association							Actuals include Hoot Lake #2 and #3 combined
	5					A ENDS]	
			Total Coal	\$ 20.92 IPROTECTED DATA	\$ 22.61 A BEGINS		
1.00	8			-	-		
1				-	-		
Total Notice   Proceedings   Procedings   Proceedings   Procedings   Proceedings   P	11						
Total Information			Total Wind	\$ -		A ENDS	
	14						
13	16		Total Hydro	PROTECTED DATA			
1.00				-			
Total Oil - Peaking Units	19		Lake Preston	_			
			Fergus Control Center		PROTECTED DAT	Δ FNDS1	
2	22		Total Oil - Peaking Units	\$ -	\$ -	A LINDOJ	
Section   Property			Natural gas - Solway	[PROTECTED DATA	A BEGINS		
Total Solar	25			_			
September   Sept	27		Total Natural Gas			A ENDS]	
Section			Color Blue lov	[PROTECTED DATA	A BEGINS		
Section   Sect	30						
Total OTF-Owned			Total Solar			A ENDS]	
	33						
Workstand Market Charges			Total OTP-Owned	\$ 56.19	\$ 59.77		
50.   50.5 CO   DA Acest Propaga Anoquer**	36						
Section   Sect	37 38	555.02	DA Asset Energy Amount***	N/A	N/A		
41   66.1   19   17   Assar Energy Amount***   14   10   17   17   17   17   17   17   17	39	555.04	DA FBT Loss Amount				
25   56.24   17 Ostrollor of Losse Amount	41	555.19	RT Asset Energy Amount***	N/A	N/A		
Add	42	555.24	RT Distribution of Losses Amount	N/A	N/A		
Mail	44		DA Loss Amount	N/A	N/A		
47   950.08   DAL LOSSEE Ribeste on Options O SPA							
65.52   ET Vintal Energy Amount	47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
SSC   SC   SC   SC   SC   SC   SC   S		555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount				
15.5   156.15   178 Mark Admin Amount	50	555.01	DA Mkt Admin Amount	N/A	N/A		
SS-03   OK FBT Congestion Amount							
555   2	53	555.03	DA FBT Congestion Amount	N/A	N/A		
Section		555.2	DA Congestion RT FBT Congestion Amount				
555.15   FTR Monthly Allocation Amount							
555.35   FTR Morthly Transaction Amount	58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
61   555.36   FTR Full Funding Guarantee Amount   N/A   N/A		555.17 555.35	FTR Yearly Allocation Amount ETR Monthly Transaction Amount		N/A N/A		
SSS 39   FIFA Austion Revenue Rights Transaction Amount	61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
64   555.38   FTR Annual Transaction Amount   N/A   N/A		555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount				
66   555.41   FTR Audition Revenue Rights States 2 Distribution Amount   N/A   N/A     68   555.11   DA Revenue Selficiency Quarantee Distribution Amount   N/A   N/A     69   555.11   DA Revenue Selficiency Quarantee Distribution Amount   N/A   N/A     60   555.11   DA Revenue Selficiency Quarantee Make Whole Pymt Amount   N/A   N/A     71   72   73   74   74   74   74   74   74   74	64	555.38	FTR Annual Transaction Amount	N/A			
67   556.07   DA. Congestion Relate on Option B GFA							
695   595.11   D.R. Revenue Sufficiency Guarantee Make Whole Pyrint Amount N/A	67	555.07	DA Congestion Rebate on Option B GFA				
T1	69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72   555.42   RT Price Volatility Make Whole Payment   N/A   N/A							
74   555.28   RT Mise Amount	72	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
75   S55.27   RT Net Inadvertent Amount							
T7	75	555.27	RT Net Inadvertent Amount	N/A	N/A		
78	77			N/A			
80   555.65   RT Schedule 49 Cost Distribution Amount	78	555.63	DA Ramp Product	N/A	N/A		
82	80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
83	81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
85   555.22   RT Congestion Rebate on COGA	83	555.05	DA Congestion Rebate on COGA	N/A	N/A		
86         555,23         RT Loss Rebate on COGA         N/A         N/A <td>84 85</td> <td>555.06 555.22</td> <td>DA Losses Rebate on COGA RT Congestion Rebate on COGA</td> <td></td> <td></td> <td></td> <td></td>	84 85	555.06 555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA				
SPP Wholesale Market Charges   91	86	555.23	RT Loss Rebate on COGA	N/A	N/A		
SPP Wholesale Market Charges			Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
SPP Wholesale Market Charges   N/A N/A N/A     92   555.19   DA Asset Energy Amount   N/A N/A     93   555.09   RT Asset Energy Amount   N/A N/A     94   555.09   RT Asset Energy Amount   N/A N/A     95   355   RT Non-Asset Energy Amount   N/A N/A     96   555.09   RT Asset Energy Amount   N/A N/A     97   595.1   RT Make-Whole-Payment Distribution Amount   N/A N/A     98   555.1   RT Revenue Sufficiency Guarantee Distribution Amount   N/A N/A     99   555.1   RT Revenue Sufficiency Guarantee Distribution Amount   N/A N/A     100   555.0   DA Regulation-Down Distribution Amount   N/A N/A     101   555.0   DA Regulation-Down Distribution Amount   N/A N/A     102   555.0   DA Regulation-Down Distribution Amount   N/A N/A     103   555.0   DA Regulation-Down Distribution Amount   N/A N/A     104   555.0   DA Regulation-Distribution Amount   N/A N/A     105   555.0   DA Regulation-Distribution Amount   N/A N/A     104   555.0   DA Regulation-Distribution Amount   N/A N/A     105   555.1   RT Cover-Olletted Losses Distribution Amount   N/A N/A     106   555.1   RT Cover-Olletted Losses Distribution Amount   N/A N/A     107   555.1   RT Regulation-Down Distribution Amount   N/A N/A     108   555.1   RT Regulation-Down Distribution Amount   N/A N/A     109   355.1   RT Regulation-Down Distribution Amount   N/A N/A     101   105   555.1   RT Regulation-Down Distribution Amount   N/A N/A     107	89		Total MISO Wholesale Market Charges				
92   555.19   DA Asset Energy Amount***   N/A   N/A   N/A     93   555.03   DA Non-asset Energy Amount   N/A   N/A   N/A     94   555.03   DA Make-More Energy Amount***   N/A   N/A   N/A     95   355   RT Asset Energy Amount***   N/A   N/A   N/A     96   355.02   DA Make-Whole-Payment Distribution Amount   N/A   N/A   N/A     97   555.1   RT Make-Whole-Payment Distribution Amount   N/A   N/A   N/A     98   555.1   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     99   555.1   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     100   555.04   DA Regulation-Down Distribution Amount   N/A   N/A     101   555.05   DA Regulation-Down Distribution Amount   N/A   N/A     102   555.06   DA Regulation-Down Distribution Amount   N/A   N/A     103   355.07   DA Supplemental Reserve Distribution Amount   N/A   N/A     104   555.06   DA Regulation-Down Distribution Amount   N/A   N/A     105   355.1   RT Contingency Reserve Deployment Failure Amount   N/A   N/A     106   555.1   RT Contingency Reserve Deployment Failure Amount   N/A   N/A     107   355.5   RT Regulation-Down Distribution Amount   N/A   N/A     108   555.1   RT Regulation-Down Distribution Amount   N/A   N/A     109   355.5   RT Regulation-Down Distribution Amount   N/A   N/A     111   355.2   RT Pseudo Tie Congestion Amount   N/A   N/A     113   355.23   RT Pseudo Tie Congestion Amount   N/A   N/A     114   355.26   RT Pseudo Tie Congestion Amount   N/A   N/A     115   355.26   RT Pseudo Tie Congestion Amount   N/A   N/A     116   355.27   RT Pseudo Tie Congestion Amount   N/A   N/A     117   355.28   RT Pseudo Tie Congestion Amount   N/A   N/A     118   355.20   ARR Closeout Yearly Amount   N/A   N/A     119   110   110   110   110   110   110   11	90 91		SPP Wholesale Market Charges				
94         555.09         RT Asset Energy Amount***         N/A         N/A         N/A           95         5555         RT Non-Asset Energy Amount         N/A         N/A         N/A           96         555.02         DA Make-Whole-Payment Distribution Amount         N/A         N/A         N/A           97         555.1         RT Revenue Sutflicency Guarantee Distribution Amount         N/A         N/A         N/A           98         555.18         RT Revenue Sutflicency Guarantee Distribution Amount         N/A         N/A         N/A           100         555.19         DA Regulation-Duorn Distribution Amount         N/A         N/A         N/A           101         555.00         DA Regulation-Duorn Distribution Amount         N/A         N/A         N/A           102         555.00         DA Sinning Reserve Distribution Amount         N/A         N/A         N/A           102         555.00         DA Sinning Reserve Distribution Amount         N/A         N/A         N/A           103         555.07         DA Supplemental Reserve Distribution Amount         N/A         N/A         N/A           104         555.08         RT Contingency Reserve Deployment Failure Amount         N/A         N/A         N/A	92	555.19	DA Asset Energy Amount***				
95   555   ST Non-Asset Energy Amount   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-Down Distribution Amount         N/A         N/A           102         555.06         DA Regulation-Down Distribution Amount         N/A         N/A           103         555.07         DA Supplemental Reserve Distribution Amount         N/A         N/A           104         555.00         DA Supplemental Reserve Distribution Amount         N/A         N/A           105         555.11         RT Ore-Colleted Losses Distribution Amount         N/A         N/A           106         555.12         RT Regulation-Down Distribution Amount         N/A         N/A           107         555.13         RT Regulation-Down Distribution Amount         N/A         N/A           109         555.16         RT T Suplation-Lup Distribution Amount         N/A         N/A           109         555.16         <	95	555	RT Non-Asset Energy Amount	N/A	N/A		
98         555.18         RT Revenue Sutficiency Guarantee Distribution Amount         N/A         N/A         N/A           99         555.19         RT Revenue Neutrality Uplift Distribution Amount         N/A         N/A         N/A           100         555.04         DA Regulation-Down Distribution Amount         N/A         N/A         N/A           101         555.05         DA Spinning Reserve Distribution Amount         N/A         N/A         N/A           102         555.06         DA Regulation-Distribution Amount         N/A         N/A         N/A           103         555.07         DA Supplemental Reserve Distribution Amount         N/A         N/A           104         555.07         DA Supplemental Reserve Distribution 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         355.13         RT Regulation-Down Distribution Amount         N/A         N/A           108         355.12         RT Regulation-Up Distribution Amount         N/A         N/A           109         355.16         RT Regulation-Up Distribution Amount         N/A </td <td>97</td> <td>555.1</td> <td>RT Make-Whole-Payment Distribution Amount</td> <td>N/A</td> <td>N/A</td> <td></td> <td></td>	97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
100	98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
102   555.06   DA Spinning Reserve Distribution Amount   N/A   N	100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
103		555.05 555.06	DA Regulation-Up Distribution Amount  DA Spinning Reserve Distribution Amount				
105	103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
106		555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount				
108	106	555.12	RT Regulation-Down 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 Loss 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		555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount				
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	109	555.16	RT Spinning Reserve Distribution 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	111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
114 555.26 ARR Closeout Yearly Amount N/A N/A N/A	112	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
	114	555.26	ARR Closeout Yearly Amount	N/A	N/A		
	115			N/A	N/A		

116         555.29         RT Schedule 1A3 Amount           117         555.30         RT Schedule 1A4 Amount           118         555.01         DA GFA Carve Out Distribution Deployment Daily Am           119         555.21         DA GFA Carve Out Distribution Deployment Monthly at           120         555.27         DA GFA Carve Out Distribution Deployment Yearly At	iount	N/A N/A	N/A N/A		RT Schedule 1A3 is a new charge type in 2021
118 555.01 DA GFA Carve Out Distribution Deployment Daily Am 119 555.22 DA GFA Carve Out Distribution Deployment Monthly 120 555.27 DA GFA Carve Out Distribution Deployment Yearly At	ount				
119 555.22 DA GFA Carve Out Distribution Deployment Monthly of 120 555.27 DA GFA Carve Out Distribution Deployment Yearly Ar					RT Schedule 1A4 is a new charge type in 2021
120 555.27 DA GFA Carve Out Distribution Deployment Yearly Ar		N/A	N/A		
	Amount	N/A	N/A		
		N/A	N/A		
121 Total SPP Wholesale N	Narket 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 Am		N/A	N/A		
137 Real Time Excessive Deficient Energy Deployment Ch		N/A	N/A		
138 Short-Term Reserve Deployment Failure Charge Amo	ount	N/A	N/A		New charge type in 2021
139 Net Regulation Adjustment Amount		N/A	N/A		
	otal MISO ASM				
141					
142 Total Wholesale N	larket Charges				
143					
144 145 Purchased Power					
	-	PROTECTED DATA	DECINO		
146 Edgeley PPA	p	PROTECTED DATA	A BEGINS		
147 Edgeley PPA 148 Langdon PPA					
148 Langdon PPA 149 Ashtabula III PPA					
				<b>-</b>	Not Applicable to EAD. Evaluated from Total
150 Tribal (WAPA) 151 WAPA Energy Imbalance					Not Applicable to EAR - Excluded from Total
152 Shared Loads					
152 Snared Loads 153 Small Co-gen				-	
	<del></del>			<b>-</b>	
154 Bilateral purchases 155 Market Purchases					MISO and SPP Energy Only
			DOTEOTED DA	A FNDO	MISO and SPP Energy Only
156 157 T.	otal Purchases \$		ROTECTED DA \$ 24.45	A ENDS	Tribal (WAPA) excluded from Total
	otal Purchases \$	27.66	\$ 24.45		Tribai (WAPA) excluded from Total
158   159   Wind Curtailment		\$ 30.40	\$ 31.83	-	
160 Wind Curtailment	- 3	a 30.40	a 31.83	<b></b>	
161 Asset Based Sales		\$ 29.28	\$ 18.34	<b></b>	
101 Asset Daseu Sales	- 3	29.28	a 18.34	<b></b>	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
		N/A	N/A		Based Sales
162 Eugl Coots		iN/A	N/A	-	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 Fuel Costs	- 1				
		NI/A	NI/A		
163 Asset Based Margins		N/A	N/A		Based Sales
			N/A \$ 17.57		

			Δnr	April 202 il 2021	1 Forecast to A April 2021	ctual - Expense	(Revenue)	
			Fo	recast	Actual			Notes
Line 1	Plant G	eneration Big Stone	[PROTE	CTED DATA	A BEGINS			
2		Coyote Hoot Lake #2	Ŧ					Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3	<u> </u>					Actuals include 1100t bare #2 and #0 combined
5 6		Total Coal	\$	3,264,677	\$ 2,509,601		ED DATA ENDS] -23.13%	
7 8		Langdon Wind		CTED DATA				
9		Ashtabula Wind	‡					
10		Luverne Wind Merricourt	ł					
12		Total Wind	•		s -	PROTECT	ED DATA ENDS]	
14					•			
15 16		Total Hydro		-   CTED DATA	\$ - A BEGINS	\$ -	0	
17 18		Jamestown 1 Jamestown 2	F					
19		Lake Preston	‡					
20 21		Fergus Control Center					ED DATA ENDS]	
22		Total Oil - Peaking Units		-   CTED DATA	\$ 10,377 A BEGINS	\$ 10,377	0	
24 25		Natural gas - Solway Natural gas - Astoria	-			•	•	
26						PROTECT	ED DATA ENDS]	
27 28		Total Natural Gas		489,447 CTED DATA		\$ (338,724)	-69.21%	
29 30		Solar - Blue Jay Solar - Blue Heron	-			•	•	
31					•	PROTECT	ED DATA ENDS]	
32 33		Total Solar			\$ -	\$ -	0	
34 35		Total OTP-Owned	\$	3,754,125	\$ 2,670,701	\$ (1,083,423)	-28.86%	
36	Wholes	ale Market Charges					1	
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	\$	-	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	\$		\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$		\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
43	555.21	RT FBT Loss Amount	\$	-	\$ -	\$ -	0	
44 45		DA Loss Amount RT Loss Amount	\$	379,872 11,048	\$ 326,421 \$ 26,192			
46 47	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	S S	-	\$ - \$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$	-	\$ -	\$ -	0	
49 50		RT Virtual Energy Amount  DA Mkt Admin Amount	\$	70,425	\$ 56,407	\$ -	-19.91%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ \$	8,219 3,068	\$ 9,247	\$ 1,028	12.51%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$	-	\$ -	\$ -	0	Excluded from Total Wildo Wholesale Warket Orlanges - Not Wild EAR Applicable
54 55		DA Congestion RT FBT Congestion Amount	\$	183,042		\$ 968,152 \$ -	528.92% 0	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$	(9,369) (266,039)	\$ 403,954 \$ (2,803,207		-4411.42% 953.68%	
58	555.15	FTR Monthly Allocation Amount	\$	(15,105)	\$ (60,239	) \$ (45,134)	298.81%	
59 60	555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$	(1,078) (7,315)		\$ 7,315		
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$	(3,615)	\$ (107,776 \$ 106,335			
63 64	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$	(181,585) 181,557	\$ (394,989 \$ 394,978	) \$ (213,405)	117.52%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$	4,210	\$ 552	\$ (3,658)	-86.90%	
66 67		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$	(17,968)		\$ (4,828)	26.87%	
68 69	555.10	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ \$	9,212 (5,324)	\$ 8,080 \$ (5,730	\$ (1,132)		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$	22,089	\$ (7,753	) \$ (29,842)	-135.10%	
71 72	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$	(19,681)		\$ 19,681 ) \$ (70,267)		
73 74	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$	42,457 18,176		\$ 60,164 \$ (17,323)		
75	555.27	RT Net Inadvertent Amount	\$	1,235	\$ 37	\$ (1,198)		
76 77	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$		\$ - \$ 2,759		0	
78 79		DA Ramp Product RT Ramp Product	\$	(493) (101)	\$ (1,427 \$ (326	) \$ (225)	222.24%	
80	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$	15,692	\$ 6,679	\$ (9,013)	-57.44%	Energy Amounts - included/embedded within Market Purchases
82	555.56	RT ASM Excessive Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - Included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83 84		DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$		\$ - \$ -	\$ - \$ -	0	
85 86	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$	-	\$ - \$ -	\$ - \$ -	0	
87	J33.23	Net Congestion and Losses Adjustment & No DA Generation Schedu			\$ 161,699	\$ 161,699		
88 89		Total MISO Wholesale Market Charges	\$	192,635	\$ (905,338	) \$ (1,097,973)	-569.98%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		SPP Wholesale Market Charges			1,			
92	555.19	DA Asset Energy Amount***	\$		\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
93 94	555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	\$		\$ - \$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
95 96	555.00	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$		\$ - \$ -	\$ - \$ -	0	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$	101	\$ 62	\$ (39)	-38.40%	
98 99	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$	10	\$ (5	\$ - ) \$ (15)		
100 101	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$	9 13	\$ 6	\$ (3° \$ 20°	-34.28%	
102	555.06	DA Spinning Reserve Distribution Amount	\$	14	\$ 12	\$ (2)	-13.80%	
103 104	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$	(0)	\$ -	\$ (1) \$ 0	-100.00%	
105 106	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$	(9,122)		\$ (2,054)		
107	555.13	RT Regulation Non-Performance Distribution Amount	\$	(0)	\$ (1	) \$ (1)	370.59%	
108	555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$	(1) (0)	\$ -	\$ 0	-100.00%	
110 111		RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$	(0) (46,424)		\$ 0 ) \$ (110,221)		
112	555.21	RT Pseudo Tie Loss Amount	\$	(15,087)	\$ (7,133	) \$ 7,954	-52.72%	
113 114	555.26	Miscellaneous Amount ARR Closeout Yearly Amount	\$		\$ -	\$ 9	0	
115	555.28	RT Demand Reduction Distribution Amount	\$		\$ -	\$ -	0	

440	555.00	DT O-bb-l- 440 A	s		•	0	•	0		DT 0-11-1- 440 la
116		RT Schedule 1A3 Amount		-	\$	2		2		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$		\$	11		11		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	6		(1)	-13.33%	
119		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	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-		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	S	772	\$	573	\$	(199)	-25.75%	
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	Purchas	ed Power								
146			[PRO	TECTED DAT	A BE	EGINS				
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA	_							
150		Tribal (WAPA)	Γ							Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Γ							
152		Shared Loads	Γ							
153		Small Co-gen	_							
154		Bilateral purchases	Γ							
155		Market Purchases								MISO and SPP Energy Only
156								PROTECTE	D DATA ENDS	
157		Total Purchases	\$	4,117,608	\$	3,969,849	\$	(147,759)	-3.59%	Tribal (WAPA) excluded from Total
158				, ,.,-		//		. ,,		
159	Wind Cu	ırtailment	\$	14,697	\$	170,057	\$	155,360	1057.10%	
160						,				
161	Asset B	ased 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		stem - Plant Level	\$	7.462.119	•	5.532.257	• /	4 020 002)	25 069/	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

				orecast to Actual -	MWH	
			April 2021 Forecast	April 2021 Actual	L	Notes
Line 1	Plant Ge	eneration Big Stone	PROTECTED DAT	A BEGINS		
2		Coyote	-			Astrophysical Library and 100
3 4		Hoot Lake #2 Hoot Lake #3	-			Actuals include Hoot Lake #2 and #3 combined
5 6		Total Coal	PR0 147,055	92,607	NDS]	
7			[PROTECTED DA			
9		Langdon Wind Ashtabula Wind				
10		Luverne Wind Merricourt	•			
12		Total Wind	PRO 98,973	OTECTED DATA E 96,157	NDS1	
14						
15 16		Total Hydro	1,644 [PROTECTED DA	2,054 TA BEGINS		
17 18		Jamestown 1 Jamestown 2	_	٠.		
19		Lake Preston	_			
20 21		Fergus Control Center	PRO	TECTED DATA E	NDS]	
22		Total Oil - Peaking Units	PROTECTED DA	TA BEGINS		
24		Natural gas - Solway	_			
25 26		Natural gas - Astoria		TECTED DATA E	NDS]	
27 28		Total Natural Gas	20,498 [PROTECTED DA			
29		Solar - Blue Jay	_	·		
30 31		Solar - Blue Heron	PRO	TECTED DATA E	NDS]	
32		Total Solar	-	6		
34 35		Total OTP-Owned	268,170	195,859		
36		ale Market Charges				
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	L	
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	E	
44 45		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
47 48		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
49 50		RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.18	RT Mkt Admin Amount	N/A	N/A		
52 53	555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
54 55		DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56		RT Congestion	N/A	N/A		
57 58	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
59 60	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62 63	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66 67	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69 70		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
71 72	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
74 75	555.27	RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A	E	
76 77	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79 80	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A	E	
81 82	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.05	DA Congestion Rebate on COGA	N/A	N/A		
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A	E	
86 87		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
88			IN/A	IN/A		
89 90		Total MISO Wholesale Market Charges				
91 92		SPP Wholesale Market Charges  DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94 95	555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A	N/A		
96 97	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99 100	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
101 102		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
105	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A	N/A		
106 107	555.12 555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
111		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A	-	
113 114	555.23	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		
115		RT Demand Reduction Distribution Amount	N/A N/A	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		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		INT Octiculie 1744 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A		
121		Total SPP wholesale market Charges				
		MISO ASM				
123						
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 Amoun	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		Trow sharge type in ESE1
140		Total MISO ASM	19/75	1975		
141		Total miles Adm				
142		Total Wholesale Market Charges				
143		Total Wildlesale Market Charges				
144						
145	Durches	ed Power				
146	Purchas	eu Power	IPROTECTED DAT	A DECINO		
146		Edgeley PPA	[PROTECTED DAT	A BEGINS		
148		Langdon PPA	_	-		
			_	-		
149		Ashtabula III PPA	_	-		
150		Tribal (WAPA)	_	4		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				TECTED DATA EN	NDS]	
157		Total Purchases	165,225	189,107		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	ırtailment	483	5,424		
160						
161	Asset B	ased Sales	15,975	17,949		Credit to MN FCA Calculation - Subtracted from Total
			.,	,,		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164		, tooot Daood margino				2000 0000
165	Total Sv	stem - Plant Level	417.903	372,440		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	i Otal Sy	316111 - 1 10111 - 1-0461	417,303	3/2,440		Tribai (WALA) excluded from Total, Asset Dased Sales Subtracted from Total

_						
}			April 2021 Fore April 2021	cast to Actual - \$ April 2021	per MWh	
Uses	Di O	and the second s	Forecast	Actual		Notes
Line 1		eneration Big Stone	[PROTECTED DAT	A BEGINS		
3		Coyote Hoot Lake #2	-			Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3		PROTECTED DAT	TA ENDS1	
6		Total Coal	\$ 22.20	\$ 27.10		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind Luverne Wind	Į.			
11		Merricourt Care Vind				
12 13		Total Wind		PROTECTED DAT	A ENDS]	
14 15		Total Hydro		\$ -		
16		•	PROTECTED DAT			
17 18		Jamestown 1 Jamestown 2	+			
19 20		Lake Preston Fergus Control Center	Į			
21				PROTECTED DAT	A ENDS]	
22 23		Total Oil - Peaking Units	\$ - [PROTECTED DAT	\$ - A BEGINS		
24		Natural gas - Solway	_			
25 26		Natural gas - Astoria		PROTECTED DAT		
27 28		Total Natural Gas	\$ 23.88 [PROTECTED DAT			
29 30		Solar - Blue Jay		_		
31		Solar - Blue Heron		PROTECTED DAT	A ENDS]	
32 33		Total Solar		\$ -		
34 35		Total OTP-Owned	\$ 46.08	\$ 57.05		
36		ale Market Charges				
37 38	555.02	MISO Wholesale Market Charges  DA Asset Energy Amount***	N/A	N/A		
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42 43		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44 45	_	DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
46		RT Non-Asset Energy Amount***	N/A	N/A		
47 48	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
49 50	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.18	RT Mkt Admin Amount	N/A	N/A		
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56		RT Congestion	N/A	N/A		
57 58		FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62 63	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69 70	555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72 73	555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
74 75		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
77 78	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
79 80	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82 83	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A		
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
86		RT Loss Rebate on COGA	N/A	N/A		
87 88		Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
89 90		Total MISO Wholesale Market Charges				
91	EEF 10	SPP Wholesale Market Charges	N/A	£1/4		
92 93	555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A	N/A N/A		
94 95	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99 100	555.15	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102 103	555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104 105	555.08	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
106	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
107 108	555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109 110	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112 113	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
114 115	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A		
113	JJJ.26	AT Demand Neudolion Distribution Afficult	I N/A	IN/A	<u> </u>	I .

116	EEE 20	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A3 Amount		N/A		RT Schedule 1A4 is a new charge type in 2021
117			N/A N/A	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	N/A N/A	-	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
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	Purchas	ed Power				
146			[PROTECTED DATA	A BEGINS		
147		Edgeley PPA				
148		Langdon PPA				
149		Ashtabula III PPA	Ī			
150		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance				
152		Shared Loads	Ī			
153		Small Co-gen				
154		Bilateral purchases				
155		Market Purchases	Ī			MISO and SPP Energy Only
156				PROTECTED DA	TA ENDS]	
157		Total Purchases	\$ 24.92	\$ 20.99		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	ırtailment	\$ 30.40	\$ 31.35		
160						
161	Asset B	ased Sales	\$ 32.55	\$ 10.86		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A		Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
		Asset Based Margins	N/A	N/A		Based Sales
163						
163 164						
163 164 165	Total Sv	stem - Plant Level	\$ 17.86	\$ 14.85		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

_							
-			May 202 May 2021	21 Forecast to Act May 2021	ual - Expense (F	Revenue)	<del></del>
Line	Plant Ge	eneration	Forecast [PROTECTED DAT	Actual A REGINS			Notes
1		Big Stone	-	A DEGINO			
3		Coyote Hoot Lake #2	=				Actuals include Hoot Lake #2 and #3 combined
<u>4</u> 5		Hoot Lake #3			PROTECTE	D DATA ENDS	
6		Total Coal	\$ 2,547,244				
8		Langdon Wind	[PROTECTED DAT	A BEGINS			
9 10		Ashtabula Wind Luverne Wind	_				
11 12		Merricourt	=		PROTECTE	D DATA ENDS	
13		Total Wind	\$ -	\$ -	\$ -	0	
14 15		Total Hydro	\$ -	\$ -	\$ -	0	
16 17		Jamestown 1	JPROTECTED DAT	A BEGINS			
18 19		Jamestown 2 Lake Preston					
20		Fergus Control Center	-		PROTECTE	D DATA ENDS	
21 22		Total Oil - Peaking Units	\$ -	\$ -	PROTECTE	D DATA ENDS	
23 24		Natural gas - Solway	PROTECTED DAT	A BEGINS			
25 26		Natural gas - Astoria	=		PROTECTE	D DATA ENDS]	
27		Total Natural Gas	\$ 365,776		\$ 632,039	172.79%	
28 29		Solar - Blue Jay	IPROTECTED DAT	A BEGINS			
30 31		Solar - Blue Heron			PROTECTE	D DATA ENDS	
32		Total Solar	\$ -	\$ -	\$ -	0	
34		Total OTP-Owned	\$ 2,913,020	\$ 4,031,895	\$ 1,118,875	38.41%	
35 36		ile Market Charges					
37 38		MISO Wholesale Market Charges  DA Asset Energy Amount***	\$ -	s -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.04	DA FBT Loss Amount 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 Energy Amounts - included/embedded within Market Purchases
42 43	555.21	RT Distribution of Losses Amount RT FBT Loss Amount		\$ (92,263) \$ -	\$ 36,835 \$ -	-28.53% 0	
44 45		DA Loss Amount RT Loss Amount	\$ 351,084 \$ 10,210			-11.39% -243.56%	
46	555.26	RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
47 48	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
49 50	555.32 555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 60,324		\$ -	-14.88%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 6,642 \$ 2,486				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$ -	\$ -	\$ -	0	Excluded from Total Wildo Wholesale Warker Onlarges - Not Win EAR Applicable
54 55	555.20	DA Congestion RT FBT Congestion Amount	\$ 169,171 \$ -	\$ -	\$ -	785.25% 0	
56 57		RT Congestion FTR Hourly Allocation Amount	\$ (8,659) \$ (245,878)		\$ 56,155 \$ (2,679,454)	-648.49% 1089.75%	
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (13,960) \$ (996)		\$ (167,994) \$ 996	1203.41% -100.00%	
60	555.35	FTR Monthly Transaction Amount	\$ (6,761)	\$ -	\$ 6,761	-100.00% -673.99%	
61 62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 9,199	\$ (57,268)	\$ (66,468)	-722.54%	
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (181,585) \$ 181,557			117.52% 117.55%	
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 4,210 \$ (17,968)	\$ 552 \$ (22,796)	\$ (3,658) \$ (4,828)	-86.90% 26.87%	
67 68	555.07	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 7,608	\$ -	\$ -	52.12%	
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (900)	\$ (5,948)	\$ (5,047)	560.61%	
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 22,089 \$ (19,681)		\$ 4,420 \$ 19,681	20.01%	
72 73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (12,497) \$ 42,457	\$ (76,438) \$ 104,842	\$ (63,941)	511.64% 146.94%	
74	555.25	RT Misc Amount	\$ 18,176	\$ 15	\$ (18,162)	-99.92%	
75 76	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ -	\$ (2,418)	\$ -	-295.78% 0	
77 78	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ - (366)	\$ 4,871 \$ (444)		21.50%	
79 80	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ 21 \$ 15,692	\$ 63	\$ 42	195.95% -53.41%	
81	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ -	\$ - \$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
82 83	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ - \$ -	\$ - \$ 136,230	\$ - \$ 136,230	0	
88			,			720 742	Total Evaluate Schoolule 16 and 17 (Lines 40, 44, 42 Abrill)
90		Total MISO Wholesale Market Charges	y 184,504	\$ (1,174,807)	a (1,359,311)	-/36.74%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91 92	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	\$ -	\$ - \$ -	\$ - \$ -	0	
95	555.00	RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96 97	555.10	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$ 101		\$ (76)	-75.70%	
98 99		RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$ - \$ 10	\$ -	\$ -	21.98%	
100 101	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount		\$ 2	\$ (7)	-80.55% -57.02%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 14	\$ 8	\$ (6)	-45.75%	
103 104	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (0)		-59.99% -63.21%	
105 106		RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (8,431) \$ (1)		\$ 3,629 \$ 1	-43.04% -121.02%	
107	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ (0)		\$ 0	-175.29%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (17)	\$ (17)	261050.00%	
110 111	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (42,906)	\$ 613	\$ 43,519	131161.54% -101.43%	
112 113	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (13,944) \$ (9)	\$ (5,442)	\$ 8,502	-60.97% -30.92%	
114 115	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ -	\$ -		0	
110	JJJ.20	TO Some a reduction Distribution Amount	-		-		<u> </u>

		DTO L. L. MAGA								Internal description of the second
116		RT Schedule 1A3 Amount	\$	-	\$	1		- 1		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$		\$	4		4		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$			(7)	-100.00%	
119		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	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-		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	s	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	1,330,497)	-1136.07%	
143										
144										
145	Purchas	sed Power								
146			[PRO	TECTED DAT	ΆB	EGINS				
147		Edgeley PPA	Γ							
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	L							
152		Shared Loads	L							
153		Small Co-gen	E .							
154		Bilateral purchases	Γ							
155		Market Purchases	Γ							MISO and SPP Energy Only
156							Р	ROTECTE	D DATA ENDS]	
157		Total Purchases	\$	4,474,129	\$	4,467,692	\$	(6,438)	-0.14%	Tribal (WAPA) excluded from Total
158					Ĺ					
159	Wind Cu	urtailment	\$	19,220	\$	(53,034)	\$	(72,254)	-375.93%	
					Ė					
160			\$	524,432	\$	756,290	\$	231,859	44,21%	Credit to MN FCA Calculation - Subtracted from Total
	Asset B	ased Sales								
160	Asset B	ased Sales Fuel Costs	\$	323.086	Ś	672,934	\$	349.849	108,28%	
160 161	Asset B							349,849 (117,990)	108.28% -58.60%	
160 161 162	Asset B	Fuel Costs	\$	323,086	\$	672,934				

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

ļ	1	,		recast to Actual -	MWh	
			May 2021 Forecast	May 2021 Actual		Notes
Line 1		eneration Big Stone	[PROTECTED DAT	A BEGINS		
2		Coyote				Astrophy in plant laborated with a 100 and 100
3 4		Hoot Lake #2 Hoot Lake #3				Actuals include Hoot Lake #2 and #3 combined
5 6		Total Coal	PR0 106,067	122,264		
7			[PROTECTED DA			
9		Langdon Wind Ashtabula Wind	_	-		
10		Luverne Wind Merricourt	_			
12 13		Total Wind	PRO 73,389	TECTED DATA E 88,431	NDS]	
14						
15 16		Total Hydro	1,699 [PROTECTED DA	2,103 TA BEGINS		
17 18		Jamestown 1 Jamestown 2	-			
19		Lake Preston	_	_		
20 21		Fergus Control Center	PRO	TECTED DATA E	NDS]	
22		Total Oil - Peaking Units	PROTECTED DA	TA BEGINS		
24		Natural gas - Solway	_			
25 26		Natural gas - Astoria		TECTED DATA E	NDS]	
27 28		Total Natural Gas	15,198 [PROTECTED DA	30,520 TA BEGINS		
29 30		Solar - Blue Jay Solar - Blue Heron	_			
31			PRO	TECTED DATA E	NDS]	
32 33		Total Solar		24		
34 35		Total OTP-Owned	196,353	243,341		
36		ile Market Charges				
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
43	555.21	RT FBT Loss Amount	N/A	N/A		
44 45		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49 50		RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53	555.03	DA FBT Congestion Amount	N/A	N/A		
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
63 64	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66 67	555.41 555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71 72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	Ŀ	
75 76	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79	555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A	L	
80 81	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
83 84	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
85 86	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A	H	
87		Net Congestion and Losses Adjustment & No DA Generation Sche	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	N/A N/A		
93 94	555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A	N/A		
95 96	555 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	L	
97 98	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A	H	
102	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A	E	
107 108	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110 111	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
112 113		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A	$\vdash$	
114	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A	N/A		
115	ეეე.∠გ	KT Demand Reduction Distribution Amount	N/A	N/A	-	<u> </u>

116	555 29	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	_	INT Octiculie 1744 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	_	
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A	-	
121		Total SPP Wholesale Market Charges				
		MISO ASM				
123				11/4	_	
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 Amoun	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		Trow sharge type in ESE1
140		Total MISO ASM	19/75	1973		
141		Total miles Adm				
142		Total Wholesale Market Charges			-	
143		Total Wilolesale Market Charges				
144						
145	Durches	sed Power				
146	Purchas	eu Fower	IPROTECTED DAT	A DECINO	-	
146		Edgeley PPA	[PROTECTED DAT	A BEGINS		
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				TECTED DATA EI	NDS]	
157		Total Purchases	202,628	193,183		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	632	(1,597)		
160						
161	Asset B	ased Sales	13,450	31,234		Credit to MN FCA Calculation - Subtracted from Total
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164						
165	Total Sv	stem - Plant Level	386,163	403.694		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	i Otai Sy	VIOII 1 MIN E0701	500,103	700,034		mear (177 ii 77) executed if offi Total, reset based Gales subtracted IfOffi Total

ļ				ast to Actual - \$ May 2021	per MWh	
_			May 2021 Forecast	Actual		Notes
Line 1		eneration Dia Stone	[PROTECTED DATA	A BEGINS		
2		Big Stone Coyote	_			
3		Hoot Lake #2 Hoot Lake #3				Actuals include Hoot Lake #2 and #3 combined
5				PROTECTED DAT		
6 7		Total Coal	\$ 24.02 [PROTECTED DATA			
8		Langdon Wind	_			
9 10		Ashtabula Wind Luverne Wind	_			
11		Merricourt	-			
12 13		Total Wind	\$ -	PROTECTED DAT	A ENDS]	
14				\$ -		
15 16		Total Hydro	PROTECTED DATA			
17 18		Jamestown 1 Jamestown 2	-	_		
19		Lake Preston		_		
20		Fergus Control Center		PROTECTED DAT	A FNDS1	
22		Total Oil - Peaking Units	\$ -	\$ -	X 2.1.20j	
23 24		Natural gas - Solway	[PROTECTED DATA	A BEGINS		
25		Natural gas - Astoria		PROTECTED DAT		
26 27		Total Natural Gas	\$ 24.07		A ENDS]	
28 29		Solar - Blue Jay	[PROTECTED DATA	A BEGINS		
30		Solar - Blue Heron				
31 32		Total Solar		PROTECTED DAT	A ENDS]	
33						
34 35		Total OTP-Owned	\$ 48.08	\$ 57.51		
36		ale Market Charges				
37 38	555.02	MISO Wholesale Market Charges  DA Asset Energy Amount***	N/A	N/A	1	
39	555.04	DA FBT Loss Amount	N/A	N/A		
40 41	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
42 43	555.24	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44		DA Loss Amount	N/A	N/A		
45 46		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48 49	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A	1	
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53	555.03	DA FBT Congestion Amount	N/A	N/A N/A		
54 55		DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56 57	555 1 <i>1</i>	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59 60	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62 63	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
64	555.38	FTR Annual Transaction Amount	N/A	N/A		
65 66	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68 69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	<u> </u>	
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76 77		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79 80	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82 83	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A	N/A		
84 85	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87 88	-	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
89		Total MISO Wholesale Market Charges				
90 91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93 94		DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A	<del>                                     </del>	
95	555	RT Non-Asset Energy Amount	N/A	N/A		
96 97	555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98 99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101 102	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104 105	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
106	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
107 108	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A	<del>                                     </del>	
109	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A	N/A N/A		
110 111	555.2	RT Pseudo Tie Congestion Amount	N/A N/A	N/A		
112	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
113 114	555.26	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		
115		RT Demand Reduction Distribution Amount	N/A	N/A		

116	EEE 20	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A3 Amount		N/A		RT Schedule 1A4 is a new charge type in 2021
117			N/A N/A	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	N/A N/A		
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
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	ļ	
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		1.5				
145	Purchas	sed Power				
146 147		Eductor DDA	[PROTECTED DATA	A BEGINS		
		Edgeley PPA Langdon PPA	_			
148			_			
149		Ashtabula III PPA	_			N.A. II. II. SAB 5 1 1 1 1 7 7 1 1
150		Tribal (WAPA) WAPA Energy Imbalance	_			Not Applicable to EAR - Excluded from Total
151			_			
152		Shared Loads	_			
153		Small Co-gen	_			
154		Bilateral purchases	_			1400 1000 F
155		Market Purchases				MISO and SPP Energy Only
156				PROTECTED DA	A ENDS]	Talk of (MADA) and add form Total
157		Total Purchases	\$ 22.08	\$ 23.13	<b>-</b>	Tribal (WAPA) excluded from Total
158 159	Mind O	ırtailment	\$ 30.40	\$ 33.21	<b>-</b>	
160	wina Ci	irtannient	ə 30.40	ə 33.21	<b>-</b>	
160	Acces D	ased Sales	\$ 38.99	\$ 24.21	<b>-</b>	
161	Asset B	aseu Sales	ə 38.99	ə 24.21	<b>-</b>	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160		Fuel Costs	N/A	N/A		Based Sales
162		ruei Cosis	N/A	N/A	<u> </u>	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
400		Asset Based Massics	N//A	N/A	l	
163 164		Asset Based Margins	N/A	N/A	-	Based Sales
					I	l
165	T-4-1 0	stem - Plant Level	\$ 18.12	\$ 16.04		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			June		1 Forecast to Ac	tual - Expense (	(Revenue)	T
			Fore	cast	Actual			Notes
Line 1	Plant G	eneration Big Stone	[PROTEC	TED DATA	A BEGINS		ļ	
3		Coyote Hoot Lake #2	Ī					Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3						Actuals include Floor Earle #2 and #3 combined
5 6		Total Coal	\$ 1,	987,622	\$ 3,682,692		ED DATA ENDS] 85.28%	
7 8		Langdon Wind			BEGINS			
9		Ashtabula Wind	1					
10 11		Luverne Wind Merricourt	ł			i	i	
12		Total Wind	•		s -	PROTECTI	ED DATA ENDS]	
14								
15 16		Total Hydro	\$ [PROTEC		\$ - A BEGINS	\$ -	0	
17 18		Jamestown 1 Jamestown 2	-					
19		Lake Preston	ļ.					
20 21		Fergus Control Center					ED DATA ENDS]	
22		Total Oil - Peaking Units	\$ [PROTEC	-   TED DAT		\$ 210,575	0	
24 25		Natural gas - Solway Natural gas - Astoria	-				•	
26						PROTECTI	ED DATA ENDS]	
27 28		Total Natural Gas	\$ [PROTEC	266,721   TED DAT <i>I</i>		\$ 1,301,095	487.81%	
29 30		Solar - Blue Jay Solar - Blue Heron	<del>-</del>					
31 32			s		\$ -	PROTECTE	ED DATA ENDS]	
33		Total Solar			•			
34 35		Total OTP-Owned	\$ 2,	254,344	\$ 5,461,083	\$ 3,206,739	142.25%	
36 37	Wholes	ale Market Charges MISO Wholesale Market Charges						
38	555.02	DA Asset Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	\$		\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ (	- 125,181)		\$ - \$ (105,700)	0	Energy Amounts - included/embedded within Market Purchases
43		RT FBT Loss Amount	\$	-	\$ -	\$ -	0	
44 45		DA Loss Amount RT Loss Amount	\$	340,432 9,901	\$ 779,210 \$ (28,972)		128.89% -392.63%	
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	S	-	\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$	-	\$ -	\$ -	0	
49 50	555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$	56,248	\$ 60,890			Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$	7,657 2,754			7.30%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$	-	\$ -	\$ -	0	
54 55		DA Congestion RT FBT Congestion Amount	\$		\$ -	\$ -	0	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ (	(8,397) 238,418)	\$ 459,191 \$ (5,177,026)		-5568.74% 2071.40%	
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$	(13,536)	\$ (111,217) \$ -	\$ (97,680) \$ 966	721.62%	
60	555.35	FTR Monthly Transaction Amount	\$	(6,556)	\$ -	\$ 6,556	-100.00%	
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$	32,660	\$ (25,417) \$ 25,021			
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount		258,085) 257,988	\$ (2,293,476) \$ 2,275,443		788.65% 781.99%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$	1,946	\$ 17,240	\$ 15,294	786.12%	
66 67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$		\$ -	\$ -	0	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	4,989 (13,790)	\$ 7,223 \$ (9,509)			
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$	22,089	\$ 79,528	\$ 57,439	260.03%	
71 72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$	(19,681) (12,497)	\$ (61,774)		394.30%	
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	\$	42,457 18,176				
75 76	555.27	RT Net Inadvertent Amount	\$	1,235				
77	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$	-	\$ 13,993	\$ 13,993	0	
78 79	555.64	DA Ramp Product RT Ramp Product	\$	(41)		\$ 171	-422.99%	
80 81	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ \$	15,692	\$ 8,855 \$ -			
82	555.56	RT ASM Excessive Energy Amount***	\$		\$ -	\$	0	
83 84	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$	-	\$ -	\$ - \$ -	0	
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$		\$ - \$ -	\$ - \$ -	0	
87		Net Congestion and Losses Adjustment & No DA Generation Schedu		-	\$ 284,738		0	
88 89		Total MISO Wholesale Market Charges	\$	146,541	\$ (820,232)	\$ (966,773)	-659.73%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91		SPP Wholesale Market Charges						
92 93		DA Asset Energy Amount*** DA Non-asset Energy Amount	\$		\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$	-	\$ -	\$ - \$ -	0	
97 98	555.10	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$	101	\$ 25 \$ -		-75.01% 0	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	10	\$ 5	\$ (4)	-44.97%	
100	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$	9 13	\$ 2	\$ (11)	-83.40%	
102 103	555.06	DA Spinning Reserve Distribution Amount  DA Supplemental Reserve Distribution Amount	\$	14				
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$	(0)	\$ -	\$ 0	-100.00%	
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$	(8,175)	\$ 0	\$ 1	-111.46%	
107 108	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$	(0) (1)	\$ (0)	\$ 0 \$ 2		
109	555.16	RT Spinning Reserve Distribution Amount	\$	(0)	\$ 9	\$ 9	-130300.00%	
110 111	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount		(0) (41,604)	\$ (95,518)	\$ 4 \$ (53,914)	129.59%	
112 113		RT Pseudo Tie Loss Amount Miscellaneous Amount	\$	(13,521)	\$ (12,444) \$ 1	\$ 10		
114 115	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$	(90,194)	\$ (83,245)			
110	JJJ.20	11. Domana Reduction Distribution Amount	Ÿ		· -	· ·		

116	EEE 20	RT Schedule 1A3 Amount	S	-	\$	0	\$	0	0	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A3 Amount	S	-	\$		\$	2		RT Schedule 1A4 is a new charge type in 2021
117		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7		1		(6)	-88.61%	RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount  DA GFA Carve Out Distribution Deployment Monthly Amount	\$		S		\$	- (6)	-88.61% 0	
120		DA GFA Carve Out Distribution Deployment Monthly Amount	S		S	(52)		(52)	0	
	555.27			(153.351)		(505,291)		(351.940)	229.50%	
121		Total SPP Wholesale Market Charges	*	(153,351)	Þ	(505,291)	Þ	(351,940)	229.50%	
122		MISO ASM			⊢					
			•	(40.400)	-	(47.000)		(7.000)	40.000/	
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% 71.10%	
126		Regulation Cost Distribution Amount	\$	11,117	\$	19,020		7,903		
127		Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$		\$			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	439.80%	
136		Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
137		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	1,413		(899)	-38.88%	
138		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-		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					Ш.					
142		Total Wholesale Market Charges	\$	(24,866)	\$	(1,445,228)	\$	(1,420,362)	5711.99%	
143					Ш.					
144					Ш.					
145	Purchas	sed Power			Ш.					
146			[PRO]	TECTED DAT	A BI	EGINS	l			
147		Edgeley PPA	L							
148		Langdon PPA	L							
149		Ashtabula III PPA	L							
150		Tribal (WAPA)	E .							Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	L							
152		Shared Loads	L							
153		Small Co-gen	L							
154		Bilateral purchases	I.							
155		Market Purchases								MISO and SPP Energy Only
156									D DATA ENDS]	
157		Total Purchases	\$	4,986,834	\$	4,862,631	\$	(124,203)	-2.49%	Tribal (WAPA) excluded from Total
158										
159	Wind C	urtailment	\$	6,152	\$	17,113	\$	10,962	178.18%	
160					Г					
161	Asset B	ased Sales	\$	155,763	\$	1,789,901	\$	1,634,138	1049.12%	Credit to MN FCA Calculation - Subtracted from Total
162		Fuel Costs	\$	115,771			\$	1,182,890	1021.75%	
163		Asset Based Margins	\$	39,992	\$	491,240	\$	451,248	1128.35%	
		w -			_			. ,		
164					ļ		1			

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

Total Control   Property   Prop							
Part						MWh	
1				Forecast	Actual		Notes
Company   Comp	Line 1			[PROTECTED DAT	A BEGINS		
Total Note   Control   C			Coyote				Actuals include Heat Lake #2 and #2 combined
	4						Actuals include noot take #2 and #3 combined
7			Total Coal	PR0 73,560	166,069	NDS]	
Application by Word	7		Longdon Wind	[PROTECTED DA	TA BEGINS		
Total Monte   PROTECTED DATA SHORT	9		Ashtabula Wind		-		
12							
1.50	12		Total Wind			NDS]	
PROTECTED DATA BEGINS.	14						
10	16		Total Hydro	1,644 [PROTECTED DA	1,810 TA BEGINS		
10				_	•		
Total Oil - Peasing Limits	19		Lake Preston				
PROTECTED DATA ABCORNS.	21			PRO	TECTED DATA E	NDS]	
2-2			Total Oil - Peaking Units	IPROTECTED DA			
PROTECTED DATA BORDS	24						
PROTECTED DATA BEGINS.	26					NDS]	
Solid			Total Natural Gas	10,373 [PROTECTED DA	44,263 TA BEGINS		
Total Select				_	•		
Wholesele Market Charges	31			PRO		NDS]	
35   Wholesale Market Charges	33					E	
Wholesale Market Charges	34		Total OTP-Owned	146,974	267,321		
385.02   DA Asset Enterty Amount***   NA   NA   NA	36						
30	38	555.02	DA Asset Energy Amount***				
141   555-1 B   T   Sast Energy Amount   NA   NA   NA   NA   NA   NA   NA   N		555.04	DA FBT Loss Amount				
455.21   RT FET Loss Amount	41	555.19	RT Asset Energy Amount***	N/A	N/A		
445   SRT (Liss Amount   NA   NA   NA   NA   NA   NA   NA   N	43	555.21	RT FBT Loss Amount	N/A	N/A		
46   555.26   RT Non-Asset Energy Amount**   47   555.06   An Losses Rebates on Option 6 GFA   N/A   N/A     48   566.12   DA Vinual Energy Amount   N/A   N/A     49   566.12   DA Vinual Energy Amount   N/A   N/A     40   566.12   DA Vinual Energy Amount   N/A   N/A     51   50   555.01   DA Mal Admin Amount   N/A   N/A     52   555.13   RT Mid Admin Amount   N/A   N/A     53   555.03   RT Mid Admin Amount   N/A   N/A     53   556.03   DA Mid Admin Amount   N/A   N/A     53   556.03   DA FIZ Conjestion Amount   N/A   N/A     54   552   TR Mid Admin Amount   N/A   N/A     55   555.13   RT Mid Admin Amount   N/A   N/A     56   555.27   RT FIZ Conjestion Amount   N/A   N/A     57   555.14   TR Mid	44		DA Loss Amount	N/A	N/A		
49   595.12   DA Virusal Energy Amount	46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
50   595.01   DA Mich Admin Amount	48	555.12	DA Virtual Energy Amount	N/A	N/A		
595.18   RT Mic Admin Amount		555.32 555.01	RT Virtual Energy Amount  DA Mkt Admin Amount				
553   555.03   DA FET Congestion Amount	51	555.18	RT Mkt Admin Amount	N/A	N/A		
56	53	555.03	DA FBT Congestion Amount	N/A	N/A		
Feb							
58	56		RT Congestion		N/A		
60   555.35   FTR Monthly Transaction Amount   N/A   N/A     10   555.35   FTR Monthly Transaction Amount   N/A   N/A     10   555.37   FTR Guarantee Upilit Amount   N/A   N/A     10   555.37   FTR Guarantee Upilit Amount   N/A   N/A     10   555.37   FTR Guarantee Upilit Amount   N/A   N/A     10   555.38   FTR Aurolia Revenue Rights Intelasible Upilit Amount   N/A   N/A     10   555.38   FTR Aurolia Revenue Rights Intelasible Upilit Amount   N/A   N/A     10   555.41   FTR Aurolia Revenue Rights Sidae 2 Distribution Amount   N/A   N/A     10   555.41   FTR Aurolia Revenue Rights Sidae 2 Distribution Amount   N/A   N/A     10   555.41   FTR Aurolia Revenue Rights Sidae 2 Distribution Amount   N/A   N/A     10   555.20   TR Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     10   555.20   RT Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     11   555.3   RT Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     12   555.20   RT Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     13   555.20   RT Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     14   555.20   RT Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     17   555.20   RT Revenue Sufficiency Guarantee Make Whole Pyrmt Amount   N/A   N/A     18   555.20   RT Messe Amount   N/A   N/A     19   555.20   RT Messe Amount   N/A   N/A     10   555.20   RT Messe Amount   N/A   N/A     10   555.20   RT Messe Amount   N/A   N/A     11   555.30   RT Limps Product   N/A   N/A     12   555.50   RT Benand Response Allocation Upilit Amount   N/A   N/A     13   555.50   RT Benand Response Allocation Upilit Amount   N/A   N/A     14   555.50   RT Benand Response Allocation Upilit Amount   N/A   N/A     15   555.20   RT Limps Response Allocation Upilit Amount   N/A   N/A     16   555.50   RT Messe Allocation Repetite on COGA   N/A   N/A     17   555.50   RT Messe Messe English Amount   N/A   N/A   N/A     18   555.60   RT Amount   N/A   RT   N/A   N/A     19   555.	58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
62   555.37   FTR Quarantee Uplift Amount   N/A   N/A		555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount				
63         555.39         FTR Anual Transaction Amount         N/A         N/A           64         555.38         FTR Anual Transaction Amount         N/A         N/A           65         555.40         FTR Auction Revenue Rights Infeasible Uplit 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         555.1         DA Revenue Sufficiency Guarantee Make Whole Pym Amount         N/A         N/A           70         555.29         RT Revenue Sufficiency Guarantee First Pass Distribution Amount         N/A         N/A           71         555.25         RT Revenue Sufficiency Guarantee Make Whole Pym Amount         N/A         N/A           71         555.25         RT Revenue Sufficiency Guarantee Make Whole Pym Amount         N/A         N/A           72         555.25         RT Revenue Sufficiency Guarantee Make Whole Pym Amount         N/A         N/A           72         555.25         RT Revenue Whole Payment         N/A         N/A           73         555.25         RT Revenue Neutrality Uplit Amount         N/A         N/A           75 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
65   555.40   FTR Auction Revenue Rights Infeasible Uplift Amount   N/A   N/A     67   555.07   DA Congestion Rebate on Option B GFA   N/A   N/A     68   555.11   DA Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     69   555.11   DA Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     70   555.22   RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   N/A   N/A     71   555.32   RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   N/A   N/A     72   555.24   RT Priev Cubalitity Make Whole Pymt Amount   N/A   N/A     73   555.25   RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   N/A   N/A     74   555.25   RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   N/A   N/A     75   555.27   RT Revenue Neutrality Uplift Amount   N/A   N/A     76   555.31   RT Unistructed Deviation Amount   N/A   N/A     77   555.50   RT Most Amount   N/A   N/A     78   555.50   RT Most Amount   N/A   N/A     79   555.64   RT Priev Cubality Make Whole Pymt Amount   N/A   N/A     79   555.55   RT Amount   N/A   N/A     79   555.56   RT Samp Product   N/A   N/A     79   555.56   RT Amp Product   N/A   N/A     79   555.56   RT Amp Product   N/A   N/A     81   555.55   RT ASM Non-Excessive Energy Amount***   N/A   N/A     83   555.05   DA Congestion Rebate on COGA   N/A   N/A     84   555.05   DA Congestion Rebate on COGA   N/A   N/A     85   555.27   RT Congestion Rebate on COGA   N/A   N/A     86   555.27   RT Congestion Rebate on COGA   N/A   N/A     87   N/A   N/A   N/A     88   Total MisO Wholesale Market Charges   N/A   N/A     90   555.01   DA Anses Energy Amount***   N/A   N/A     91   SPP Wholesale Market Charges   N/A   N/A     92   555.51   RT Revenue Surface Cogname Distribution Amount   N/A   N/A     93   555.07   DA Respetation Distribution Amount   N/A   N/A     94   555.07   RT Asset Energy Amount***   N/A   N/A     95   555.01   RT Revenue Surface Distribution Amount   N/A   N/A     96   555.05   DA Regulation-Up Distribution Amount   N/A   N/A     97   555.51   RT Reve	63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
67   555.07   DA Congestion Rebate on Option B GFA		555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A			
68		555.41 555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA				
To	68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
T2	70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
73		555.3 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment				
T5		555.28	RT Revenue Neutrality Uplift Amount		N/A		
Total MISO Wholesale Market Charges   S55.09   RT Demand Response Allocation Uplift Amount   N/A   N	75	555.27	RT Net Inadvertent Amount	N/A	N/A		
78	77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A	<u> </u>	
80   555.65   RT Schedule 49 Cost Distribution Amount	78	555.63	DA Ramp Product	N/A	N/A		
82   555.56   BT ASM Excessive Energy Amount***   N/A   N/A   N/A	80	555.65	RT Schedule 49 Cost Distribution 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   555.02   RT Congestion Rebate on COGA   N/A   N/A     86   555.22   RT Congestion Rebate on COGA   N/A   N/A     87   Net Congestion and Losses Adjustment & No DA Generation Sche   N/A   N/A     88   N/A   N/A   N/A     89   Total MISO Wholesale Market Charges     90   SPP Wholesale Market Charges   N/A   N/A     91   SPP Wholesale Market Charges   N/A   N/A     92   555.19   DA Asset Energy Amount**   N/A   N/A     94   555.09   DA Non-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   S55.11   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     98   555.16   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     99   555.01   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     99   555.01   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     101   555.06   DA Regulation-Down Distribution Amount   N/A   N/A     101   555.06   DA Regulation-Down Distribution Amount   N/A   N/A     102   555.06   DA Regulation-Down Distribution Amount   N/A   N/A     102   555.06   DA Regulation-Down Distribution Amount   N/A   N/A     103   N/A   N/A   N/A   N/A     104   105   55.06   DA Regulation-Down Distribution Amount   N/A   N/A     105   N/A   N/A   N/A   N/A     106   107		555.56	RT ASM Excessive Energy Amount***			L	
85         555.22 RT Congestion Rebate on COGA         N/A         <	83	555.05	DA Congestion Rebate on COGA	N/A	N/A		
87	85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
88	87					E	
90	88						
92   555.19   DA Asset Energy Amount   N/A   N	90						
93         555.03         IDA 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 Sutfilling Uplift Distribution Amount         N/A         N/A           100         555.01         A Regulation-Down Distribution Amount         N/A         N/A           101         555.05         D A Regulation-Up Distribution Amount         N/A         N/A           101         555.06         D A Spinling Reserve Upstribution Amount         N/A         N/A	92	555.19	DA Asset Energy Amount***				
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	93						
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 Uplit 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	95	555	RT Non-Asset Energy Amount	N/A	N/A		
98         555.18         RT Revenue Sutfliciency 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 Spining Reserve Upstribution Amount         N/A         N/A	97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
100         555.04         IDA 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		555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount				
102 555.06 DA Spinning Reserve Distribution Amount N/A N/A N/A	100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
	102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103 555.0/ IDA Suppiemental reserve Distribution Amount N/A N/A 104 104 555.08 RT Contingency Reserve Deployment Failure Amount N/A N/A 105 104 105 105 105 105 105 105 105 105 105 105	103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105 555.11 RT Over-Collected Losses Distribution Amount N/A 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	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		555.14	RT Regulation-Up Distribution Amount				
110 555.17 RT Supplemental Reserve Distribution Amount N/A 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	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		555.23 555.26	Miscellaneous Amount ARR Closeout Yearly Amount				
	115			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		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		INT Octiculie 1744 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A		
121		Total SPP Wholesale Market Charges				
		MISO ASM				
123						
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 Amoun	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		Trow sharge type in Ede i
140		Total MISO ASM	19/75	1975		
141		Total miles Adm				
142		Total Wholesale Market Charges				
143		Total Wilolesale Market Charges				
144						
145	Durches	sed Power				
146	Purchas	eu Fower	IPROTECTED DAT	A DECINO		
146		Edgeley PPA	[PROTECTED DAT	A BEGINS		
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				TECTED DATA EN	NDS]	
157		Total Purchases	231,169	172,687		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	202	452		
160						
161	Asset B	ased Sales	4,310	54,567		Credit to MN FCA Calculation - Subtracted from Total
			,***	. ,,,,,,		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164		7 10001 Dadou margino				2000 0000
165	Total Sv	stem - Plant Level	374.035	385.892		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	i Otal Sy	Stelli - I lalit Level	374,030	303,032		Tribai (WALA) excluded from Total, Asset Dased Sales Subtracted from Total

Part   Committee	г						
Part	-					per MWh	
				Forecast	Actual		Notes
Company		Plant Ge		[PROTECTED DATA	A BEGINS		
			Coyote	-			Astrophylandra Hast Labor 100 and 110 and 110 and 110
Total Color							Actuals include Hoot Lake #2 and #3 combined
			Total Coal	 \$ 27.02	PROTECTED DAT	A ENDS]	
	7						
				=	_		
Total Wilson Barral Charges	10		Luverne Wind	-	_		
Total Part   Tot			Merricourt		PROTECTED DAT	Δ FNDS1	
	13		Total Wind	\$ -		7 ( 2.150)	
			Total Hydro	\$ -	\$ -		
	16						
	18						
					_		
PROTECTIO DATA BEOMES   PROTECTIO DATA BEOMES	21					A ENDS]	
			Total Oil - Peaking Units				
Section   Sect	24			-			
PROTECTED DATA BERGINS			Naturai gas - Astoria		PROTECTED DAT	A ENDS]	
Store - Biol. 2015	27		Total Natural Gas	\$ 25.71	\$ 35.42		
Total Solor	29			-	L DEGINO		
Total Sales   S	30 31		Solar - Blue Heron		PROTECTED DAT	A ENDS1	
	32		Total Solar				
			Total OTP-Owned	\$ 52.73	\$ 57.60		
10   10   10   10   10   10   10   10	35	\AP ! -					
10.000   Color Anna Energy Amount**   NA   NA   NA   NA   NA   NA   NA	37		MISO Wholesale Market Charges				
40	38	555.02	DA Asset Energy Amount***				
1.       1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.       1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.       1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.       1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.       1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.     1.       1.	40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
40	41	555.19	RT Asset Energy Amount***	N/A	N/A		
10   ST. Los Annotes   NA   NA   NA   NA   NA   NA   NA   N	43	555.21	RT FBT Loss Amount	N/A	N/A		
49   555.02   FT Non-Asset Energy Amount**							
49   555.2   EV Vintal Energy Amount	46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
49   55-52   RT Virsual Energy Anount   NA   NA   NA   NA   NA   NA   NA   N							
Second   S	49	555.32	RT Virtual Energy Amount	N/A	N/A		
Section   Sect							
56   Sept. 2   FIX Logistion Amount							
15	54		DA Congestion	N/A	N/A		
595   16   FTR Horty Abcation Amount	55 56						
59   555 17   FIT Yearty Allocation Amount	57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
50   565.35   FIR Monthly Transaction Amount							
September   Fix Austion Revenue Rights Transaction Amount	60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
63 555.39 FTR Aution Revenue Rights Transaction Amount NA		555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount				
65         555.40         FTR Auction Revenue Rights State 2 picturbuling Amount         N/A           67         555.07         DA Congestion Relate on Option B GFA         N/A           67         555.07         DA Congestion Relate on Option B GFA         N/A           68         505.10         DA Revente Sufficiency Quarantee Distriction Amount         N/A           70         555.20         RT Revenue Sufficiency Quarantee First Plass Distriction Amount         N/A           70         555.20         RT Revenue Sufficiency Quarantee First Plass Distriction Amount         N/A           71         555.31         RT Revenue Sufficiency Quarantee First Plass Distriction Amount         N/A           72         555.42         RT Price Volatility Make Whole Prymert         N/A           73         555.22         RT Revenue Sufficiency Quarantee First Plans Quarantee	63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
555.07   DA Congestion Rebate on Option B GFA   N/A   N/A		555.40	FTR Auction Revenue Rights Infeasible Uplift Amount				
		555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount				
	68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
Total		555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount  RT Revenue Sufficiency Guarantee First Pass Distribution Amount				
73   555.28   RT Revenue Neutrality Uplif Amount   N/A   N/A   N/A	71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
555.31   RT Uninstructed Devisition Amount	74	555.25	RT Misc Amount	N/A	N/A		
	76	555.31	RT Uninstructed Deviation 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         555.05         DA Congestion 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         Total MISO Wholesale Market Charges         P         SPP Wholesale Market Charges         P           90         SPP Wholesale Market Charges         P         SPP Wholesale Market Charges         P           91         SPP Wholesale Market Charges         N/A         N/A           92         555.19         DA Asset Energy Amount         N/A         N/A           94         555.03         DA Non-asset Energy Amount         N/A         N/A           95         555.19         TA Such Hole-Payment Distribution Amount         N/A         N/A           96 <t< td=""><td>79</td><td>555.64</td><td>RT Ramp Product</td><td>N/A</td><td>N/A</td><td></td><td></td></t<>	79	555.64	RT Ramp Product	N/A	N/A		
S55.66   RT ASM Excessive Energy Amount**	80 81						
Section   Sect	82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
85         555.22         RT Congestion Rebate on COGA         N/A         N	84	555.06	DA Losses Rebate on COGA				
Net Congestion and Losses Adjustment & No DA Generation Schedul   N/A   N/A   N/A	85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
	87	<del>555.∠3</del>					
SPP Wholesale Market Charges	88			-			
Section   Sect	90						
Section   Sect		555.19		N/A	N/A		
95         555.02         IX Non-Asset Energy Amount         N/A	93	555.03	DA Non-asset Energy Amount	N/A	N/A		
98   555.18   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N	96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
99         555.15 RT Revenue Neutrality Uplift Distribution Amount         N/A         N/A           100         555.04 IDA Regulation-Dum Distribution Amount         N/A         N/A           101         555.05 IDA Regulation-Up Distribution Amount         N/A         N/A           102         555.06 IDA Supining Reserve Distribution Amount         N/A         N/A           103         555.07 IDA 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 Cover-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-Perforance Distribution Amount         N/A         N/A           108         555.14 RT Regulation Up Distribution Amount         N/A         N/A           109         555.16 RT Spening Reserve Distribution Amount         N/A         N/A           110         555.17 RT Pseudo Tie Congestion Amount         N/A         N/A           111         555.2 RT Pseudo Tie Congestion Amount         N/A         N/A           112         555.2 RT Pseudo Tie Loss Amount         N/A         N/A	98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
101   555.05   DA Regulation-Up Distribution Amount   N/A   N/A	99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
103   555.07   DA Supplemental Reserve Distribution Amount   N/A   N/A	101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
104   555.08   RT Contingency Reserve Deployment Failure Amount   N/A   N/A							
106   555.12   RT Regulation-Down Distribution Amount   N/A   N/	104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
107         555.13 RT Regulation Non-Performance Distribution Amount         N/A         N/A           108         555.14 RT Regulation Non-Performance 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         555.25 ART Closeout Yearly Amount         N/A         N/A	105 106	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount				
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 Loss 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	107	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
110   555.17   RT Supplemental Reserve Distribution Amount							
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	110	555.17	RT Supplemental Reserve Distribution 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	112	555.21	RT Pseudo Tie Loss Amount				
	113	555.23	Miscellaneous Amount	N/A	N/A		

117   555.30   RT Schedule 1AA Amount	116	EEE 20	DT Cahadula 142 Amaunt	N/A	N/A	RT Schedule 1A3 is a new charge type in 2021
118						
119						RT Schedule 1A4 is a new charge type in 2021
120		555.01	DA GFA Carve Out Distribution Deployment Daily Amount			
121		555.22	DA GFA Carve Out Distribution Deployment Monthly Amount			
122		555.27		N/A	N/A	
123			l otal SPP Wholesale Market Charges			
124						
125						
126						
127						
128						
129						
130						
131			Short-Term Reserve Cost Distribution Amount			New charge type in 2021
132						
133						
134   Real Time Supplemental Reserve Amount						
135						
136						
137						
138						
133						
140						New charge type in 2021
141				N/A	N/A	
142   Total Wholesale Market Charges			Total MISO ASM			
143						
144			Total Wholesale Market Charges			
145						
146						
147		Purchas	ed Power		<u> </u>	
148				[PROTECTED DATA	A BEGINS	
Ashtabula III PPA						
150				_		
151				_		
152						 Not Applicable to EAR - Excluded from Total
153						
154				_		
MISO and SPP Energy Only   MISO and SPP Energy Only				_		
156			Bilateral purchases			
157			Market Purchases			MISO and SPP Energy Only
158						
159			Total Purchases	\$ 21.57	\$ 28.16	Tribal (WAPA) excluded from Total
160					l	
161         Asset Based Sales         \$ 36.14         \$ 32.80           162         Fuel Costs         N/A         N/A         Based Sales           163         Asset Based Margins         N/A         N/A         N/A         N/A           164         N/A         N/A         N/A         N/A         Based Sales		Wind Cu	ırtailment	\$ 30.40	\$ 37.87	
Fuel Costs   NA NA NA   Based Sales   Fuel Cost MWh and Margin MWH are not separated - Need to co					L	
162   Fuel Costs   N/A   N/A   Based Sales   Fuel Cost MWH are not separated - Need to co   163   Asset Based Margins   N/A   N/A   Based Sales   N/A   N/A   Based Sales   N/A   N/A   Cost MWH are not separated - Need to co   N/A   N/A   Based Sales   N/A   N/A   Cost MWH are not separated - Need to co   N/A   N/A   Based Sales   N/A   N/A   Cost MWH are not separated - Need to co   N/A   N/A   Based Sales   N/A   N/A   Based Sales   N/A   N/A   Based Sales   N/A   N/A   N/A   Based Sales   N/A   N/A   Based Sales   N/A   N/A   N/A   Based Sales   N/A   N/A   N/A   Based Sales   N/A   N/A   N/A   D/A   N/A   N/A   D/A   N/A   N/A	161	Asset B	ased Sales	\$ 36.14	\$ 32.80	
Fuel Cost MWh and Margin MWH are not separated - Need to co  163 Asset Based Margins N/A N/A Based Sales  Fuel Cost MWh and Margin MWH are not separated - Need to co						
163         Asset Based Margins         N/A         N/A         Based Sales           164         Incompany of the property of t	162		Fuel Costs	N/A	N/A	Based Sales
164						
			Asset Based Margins	N/A	N/A	Based Sales
I 165 I Total System - Plant Level IS 18.99 IS 18.41   Tribal (MAPA) evaluated from Total: Asset Based Sales subtracts					l	
10.0 10.01 VYAFA) Excluded from 10.01 Total, Asset based Sales Subtracte	165	Total Sy	stem - Plant Level	\$ 18.89	\$ 18.41	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			July.	July 202 2021	1 Forecast to Ac July 2021	tual - Expense (	Revenue)	
Line	Dlant O	eneration	Fore	cast CTED DATA	Actual			Notes
1		Big Stone	PROTEC	JIED DATA	A BEGINS			
3		Coyote Hoot Lake #2	+					Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3				PROTECT	ED DATA ENDS]	
6		Total Coal		,504,396				
7 8		Langdon Wind	PROTEC	CTED DAT	A BEGINS			
9		Ashtabula Wind Luverne Wind	F					
11		Merricourt						
12 13		Total Wind	\$	-	\$ -	\$ -	ED DATA ENDS] 0	
14 15		Total Hydro	s		\$ -	S -	0	
16 17		Jamestown 1		CTED DATA	A BEGINS			
18		Jamestown 2	‡					
19 20		Lake Preston Fergus Control Center	-				1	
21		Total Oil - Peaking Units	\$	-	\$ 109,788		ED DATA ENDS] 0	
23 24		Natural gas - Solway		CTED DATA	A BEGINS			
25		Natural gas - Astoria						
26 27		Total Natural Gas		715,640			ED DATA ENDS] 272.15%	
28 29		Solar - Blue Jay	PROTEC	CTED DAT	A BEGINS			
30		Solar - Blue Heron	<u> </u>			PROTECT	ED DATA ENDS]	
32		Total Solar	\$	-	\$ -	\$ -	0	
33 34		Total OTP-Owned	\$ 5	,220,036	\$ 7,379,568	\$ 2,159,532	41.37%	
35 36		ale Market Charges	<u> </u>				<u> </u>	
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	s		s -	s -	0	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$			\$ -	0	
40 41	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$	-	\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42		RT Distribution of Losses Amount RT FBT Loss Amount	\$	(132,779)	\$ (273,859) \$ -	\$ (141,079) \$ -	106.25%	
44 45		DA Loss Amount RT Loss Amount	\$	361,095	\$ 827,191 \$ (26,354)	\$ 466,097	129.08% -350.96%	
46	555.26	RT Non-Asset Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
47 48	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	\$			\$ - \$ -	0	
49 50	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	\$	60,067		\$ -	-19.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	\$	7,981 2,921	\$ 7,394	\$ (587)	-7.35%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$	-	\$ -	\$ -	0	Excluded from Total MISO Wholesale Market Charges - Not MIN EAR Applicable
54 55		DA Congestion RT FBT Congestion Amount	\$	173,995	\$ 1,825,696 \$ -	\$ 1,651,701	949.28%	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$	(8,906) (252,889)	\$ 278,691 \$ (2,136,164)		-3229.15% 744.70%	
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$	(14,358)	\$ (114,466) \$ -			
60	555.35	FTR Monthly Transaction Amount	\$	(6,954)	\$ -	\$ 6,954	-100.00%	
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$	(38,473)	\$ (102,286)	\$ (138,174)		
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$	(258,085) 257,988	\$ (2,293,476) \$ 2,275,443		788.65% 781.99%	
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$	1,945	\$ 17,240	\$ 15,295	786.44% 100.90%	
67	555.07	DA Congestion Rebate on Option B GFA	\$	-	\$ -	\$ -	0	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	6,567 (3,792)			18.70% -96.30%	
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	22,089		\$ 130,258 \$ 19,681		
72 73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$	(12,497) 42,457	\$ (30,347)	\$ (17,850)	142.83%	
74	555.25	RT Misc Amount	\$	18,176	\$ (668)	\$ (18,845)	-103.68%	
75 76	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$	1,235	\$ 40,003	\$ 40,003	0	
77 78	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$	(3,878)	\$ 19,477 \$ (560)		-85.57%	
79 80	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$	(100) 15,692		\$ (875)	874.54%	
81	555.55	RT ASM Non-Excessive Energy Amount***	\$	-	\$ -	\$ -	0	
82 83	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$	-	\$ - \$ -	\$ - \$ -	0	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$		\$ - \$ -	\$ - \$ -	0	
86 87		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	S	-		\$ -	0	
88								Total Evaluates Cahadula 4C and 47 (Lines 40, 44, 40 Ab sur)
89 90		Total MISO Wholesale Market Charges	•	159,191	\$ 497,147	\$ 337,956	212.30%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
91 92	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	\$		\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96	555.00	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$	-	\$ - \$ -	\$ - \$ -	0	***************************************
97	555.10	RT Make-Whole-Payment Distribution Amount	\$	101	\$ 17	\$ (84)	-82.78%	
98 99	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$	10		\$ (9)		
100		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$	9 13		\$ (9) \$ (12)		
102	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$	14	\$ 2	\$ (12)	-86.79%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$	(0)	\$ -	\$ 0	-100.00%	
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$	(8,671) (1)	\$ (0)	\$ 1	-98.09%	
107 108	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$	(0) (1)	\$ (0)	\$ 0 \$ 1		
109 110	555.16	RT Spinning Reserve Distribution Amount	\$	(0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$	(44,130)	\$ (54,325)	\$ (10,195)	23.10%	
112 113	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$	(14,342) (9)		\$ 12		
114 115	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$	-		\$ - \$ -	0	
	-30.20						. 0	

555.30	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	\$	-	\$					
						\$	0		RT Schedule 1A3 is a new charge type in 2021
555.01		\$	-	\$		\$	1		RT Schedule 1A4 is a new charge type in 2021
	DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$		\$	(7)	-96.89%	
	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$	(0)		(0)	0	
555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$		\$	0	0	
	Total SPP Wholesale Market Charges	\$	(66,999)	\$	(76,272)	\$	(9,273)	13.84%	
	MISO ASM								
	Day Ahead Regulation Amount	\$	(76,547)	\$	(50,947)		25,601	-33.44%	
	Real Time Regulation Amount	\$	24,984	\$	9,265		(15,719)	-62.92%	
	Regulation Cost Distribution Amount	\$	11,980	\$	16,788		4,808	40.13%	
			-		-		-		New charge type in 2021
			-	\$	-		-		New charge type in 2021
	Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2021
	Day Ahead Spinning Reserve Amount	\$		\$				16.57%	
	Real Time Spinning Reserve Amount	\$	4,324	\$					
	Spinning Reserve Cost Distribution Amount	\$	11,405	\$			7,803	68.42%	
		\$					(30,764)	298.98%	
	Real Time Supplemental Reserve Amount	\$	3,635	\$	14,796	\$	11,160	306.99%	
	Supplemental Reserve Cost Distribution Amount	\$	3,121	\$	4,924	\$	1,803	57.79%	
	Contingency Reserve Deployment Failure Charge Amount	\$	772	\$	-	\$	(772)	-100.00%	
	Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,311	\$	5,491	\$	3,179	137.56%	
	Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$		0	New charge type in 2021
	Net Regulation Adjustment Amount	\$	1,896	\$	556	\$	(1,340)	-70.67%	2
	Total MISO ASM	\$	(54,467)	\$	(46,927)	\$	7,540	-13.84%	
	Total Wholesale Market Charges	\$	37.725	\$	373,948	\$	336,223	891.25%	
Purchas	sed Power								
		[PRO]	ECTED DAT	A BE	GINS				
	Edgelev PPA	1							
		†							
	Ashtabula III PPA	t							
	Tribal (WAPA)	t							Not Applicable to EAR - Excluded from Total
		Ť							The state of the s
	Shared Loads	T							
		t							
		t							
		t							MISO and SPP Energy Only
	<del>-</del>					Τ.	PROTECTE	D DATA ENDS1	9//
	Total Purchases	\$	2 792 820	s	3 105 809				Tribal (WAPA) excluded from Total
	Total i dichases	<u> </u>	_,. 01,010	۲	5,.55,005	۳	3.2,500	11.21/0	Tribut (Trib ri) oxologog from rotal
Wind Cu	ırtailment	s	(2.875)	\$	64 620	\$	67 495	-2347 86%	
,,,,,,,		Ť	(=,070)	Ť	J-1,020	Ť	0.,	20-1.30/0	
Asset R	ased Sales	s	468 628	s	2 450 652	\$	1 982 025	422 94%	Credit to MN FCA Calculation - Subtracted from Total
ASSEL D									Oreal to Will 1 On Calculation - Cubilacted Holli Total
	noon bassa margina	Ψ	170,007	, v	020,010	Ψ	100,000	30.33/6	
Total C	estam Plant Loval	•	7 570 070	•	0 472 202	e	994 244	44 900/	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
	Wind Ct Asset B	Day Ahead Short-Term Reserve Amount Real Time Short-Term Reserve Amount Short-Term Reserve Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Contingency Reserve Deficient Engine Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM  Total Wholesale Market Charges  Purchased Power  Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	Day Ahead Short-Term Reserve Amount  Real Time Short-Term Reserve Amount  Short-Term Reserve Cost Distribution Amount  Day Ahead Spinning Reserve Amount  Spinning Reserve Amount  Spinning Reserve Cost Distribution Amount  Real Time Spinning Reserve Amount  Supplemental Reserve Amount  Supplemental Reserve Cost Distribution Amount  Contingency Reserve Deployment Failure Charge Amount  Spinning Reserve Deployment Failure Charge Amount  Spinning Reserve Deployment Failure Charge Amount  Net Regulation Adjustment Amount  Total Wholesale Market Charges  Purchased Power  Eggley PPA  Langdon PPA  Anhabuta III PPA  Tribal (WAPA)  WAPA Energy Imbalance  Shared Loads  Small Co-gen  Bilateral purchases  Market Purchases  Market Purchases  Market Purchases  Total Purchases  Spinning Reserve Spinning Spin	Day Ahead Short-Term Reserve Amount   S   Real Time Short-Term Reserve Amount   S   Short-Term Reserve Cost Distribution Amount   S   Short-Term Reserve Deployment Failure Charge Amount   S   Short-Term Reserve Deployment Short-Te	Day Ahead Short-Term Reserve Amount   S	Day Ahead Short-Term Reserve Amount   S   S   S	Day Ahead Short-Term Reserve Amount   \$	Day Ahead Short-Term Reserve Amount   \$   \$   \$   \$   \$   \$   \$   \$   \$	Day Ahead Short-Term Reserve Amount   \$   \$   \$   \$   \$   \$   \$   \$   \$

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

Part   Contraction							
The Comment	F					MWh	
1				Forecast	Actual		Notes
Column	Line			[PROTECTED DAT	A BEGINS		
Proceedings			Coyote				
							Actuals include Hoot Lake #2 and #3 combined
Total Section   Total Sectio			Total Coal	PR0	234.190	NDS]	
2	7						
Marcoan	9		Ashtabula Wind	_			
Column				_			
Total Injent	12					NDS]	
18	14						
1.0			Total Hydro	1,699 [PROTECTED DA	TA BEGINS		
1-20   Lake Presson				_			
Total Gir. Peaking Units	19		Lake Preston				
PROTECTED DATA BROWNS	21			PR0		NDS]	
12			Total Oil - Peaking Units	IPROTECTED DA			
Total National Good   PROTECTED DATA BENDS    PROTEC	24			_			
PROTECTED DATA BEOMS	26					NDS]	
Social State   Sept   Stock   Sept   Stock   Sept   Sept			Total Natural Gas	31,778 [PROTECTED DA	60,327 TA BEGINS		
Total State	29						
Total OTP-Owned   399.366   364.663	31			PRO		NDS]	
Withouts Name Changes	33						
			Total OTP-Owned	309,956	354,483		
30	36						
40	38	555.02	DA Asset Energy Amount***				
41   955.19   87   Asset Flores Promoter**   42   955.20   12   13   13   13   13   13   13   13	40	555.09	DA Non-asset Energy Amount***	N/A	N/A	E	
455.21 RT FBT Loss Amount	41	555.19	RT Asset Energy Amount***	N/A	N/A		
40	43	555.21	RT FBT Loss Amount	N/A	N/A		
47   555.0 B   OA Losses Relates on Option S FA	45		RT Loss Amount	N/A	N/A		
48							
555   555   18   This R Half Anton Amount	48	555.12	DA Virtual Energy Amount	N/A	N/A		
SSS   SSS   SS   FTR (Aprillar Amount   NA   NA   NA   NA   NA   NA   NA   N	50	555.01	DA Mkt Admin Amount	N/A	N/A		
SSS_03  DA FITE Congestion Amount							
566   565.2   RT FGT Congestion Amount	53	555.03	DA FBT Congestion Amount	N/A	N/A		
	55	555.2	RT FBT Congestion Amount	N/A	N/A		
595.17   FIR Yearly Allocation Amount							
60   555.35   FTR Morthly Transaction Amount   N/A   N/A     11   555.35   FTR Multing Guarantee Amount   N/A   N/A     12   555.37   FTR Guarantee Upith Amount   N/A   N/A     13   555.30   FTR Aution Revenue Rights Transaction Amount   N/A   N/A     14   555.25   FTR Aution Revenue Rights Transaction Amount   N/A   N/A     15   555.40   FTR Aution Revenue Rights Transaction Amount   N/A   N/A     16   555.40   FTR Aution Revenue Rights State PostPathion Amount   N/A   N/A     17   555.30   DA Congestion Rebate on Option B GFA   N/A   N/A     18   555.01   DA Revenue Splitting Guarantee Distribution Amount   N/A   N/A     19   555.01   DA Revenue Splitting Guarantee Distribution Amount   N/A   N/A     19   555.21   DA Revenue Splitting Guarantee Make Whole Pyrnt Amount   N/A   N/A     19   555.22   RT Revenue Splitting Guarantee Make Whole Pyrnt Amount   N/A   N/A     17   555.33   RT Revenue Splitting Guarantee Make Whole Pyrnt Amount   N/A   N/A     17   555.33   RT Revenue Splitting Guarantee Make Whole Pyrnt Amount   N/A   N/A     18   555.22   RT Previous Splitting Make Whole Byrnt Amount   N/A   N/A     19   555.22   RT Previous Splitting Make Whole Byrnt Amount   N/A   N/A     19   555.25   RT Mile Candidate Make Whole Byrnt Amount   N/A   N/A     19   555.25   RT Mile Candidate Make Whole Byrnt Amount   N/A   N/A     19   555.25   RT Mile Candidate Make Whole Byrnt Amount   N/A   N/A     19   555.25   RT Mile Candidate Make Whole Byrnt Amount   N/A   N/A     19   555.53   RT Demand Response Allocation Light Amount   N/A   N/A     19   555.55   RT Demand Response Allocation Light Amount   N/A   N/A     18   555.05   RT Demand Response Allocation Light Amount   N/A   N/A     18   555.05   RT Demand Response Allocation Light Amount   N/A   N/A     19   555.05   RT Demand Response Allocation Light Amount   N/A   N/A     10   555.05   RT Special Make Whole Byrnt Amount   N/A   N/A     10   555.05   RT Asset Energy Amount**   N/A   N/A     10   555.05   RT Asset Energy Amount**   N/A   N/A     10   555.05							
62   555.37   FTR Guarantee Uplit Amount	60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
64   555.38   FTR Anzular Transaction Amount   N/A	62	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
66		555.38	FTR Annual Transaction Amount				
68	65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
69	67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
70		555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount  DA Revenue Sufficiency Guarantee Make Whole Pymt Amount				
72		555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount				
T4	72	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
Feb.	74	555.25	RT Misc Amount	N/A	N/A		
Total MISO Wholesale Market Charges   SpP Wholesale Market Charges   SpP Wholesale Market Charges   SpS 5.55.9   DA Asset Energy Amount**   N/A							
79	77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
81   555.55   RT ASM Non-Excessive Energy Amount***   N/A   N/A   N/A     82   555.56   RT ASM Excessive Energy Amount***   N/A   N/A     83   555.06   DA Congestion Rebate on COGA   N/A   N/A     84   555.06   DA Congestion Rebate on COGA   N/A   N/A     85   555.22   RT Congestion Rebate on COGA   N/A   N/A     86   555.22   RT Congestion Rebate on COGA   N/A   N/A     86   555.22   RT Congestion Rebate on COGA   N/A   N/A     87   Net Congestion and Losses Adjustment & No DA Generation Sche   N/A   N/A     88   Total MISO Wholesale Market Charges   N/A   N/A     90   SPP Wholesale Market Charges   SPP Wholesale Market Charges   SPP Wholesale Market Charges   SPP Wholesale Market Charges   N/A   N/A     91   SPP Wholesale Market Charges   N/A   N/A     92   555.03   DA Non-asset Energy Amount   N/A   N/A     94   555.09   RT Asset Energy Amount   N/A   N/A     95   555.00   RT Asset Energy Amount   N/A   N/A     96   555.00   Asset Energy Amount   N/A   N/A     97   555.1   RT Non-Asset Energy Amount   N/A   N/A     98   555.18   RT Revenue Neutrality Uplift Distribution Amount   N/A   N/A     99   555.18   RT Revenue Sufficiency Quarantee Distribution Amount   N/A   N/A     101   555.06   DA Significan Properties of the State Pro	79	555.64	RT Ramp Product	N/A	N/A		
83	81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
84   555.06   DA Losses Rebate on COGA		555.56 555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA				
86	84	555.06	DA Losses Rebate on COGA	N/A	N/A		
SPP Wholesale Market Charges   90   91   SPP Wholesale Market Charges   92   555.19   DA Asset Energy Amount   N/A   N	86	555.23	RT Loss Rebate on COGA	N/A	N/A		
SPP Wholesale Market Charges   SPP Wholesale Market Charges			Net Congestion and Losses Adjustment & No DA Generation Sche	N/A	N/A	H	
SPP Wholesale Market Charges	89		Total MISO Wholesale Market Charges				
93         555.03         JA Non-asset Energy Amount         N/A         N/A         N/A           94         555.09         RT Non-Asset Energy Amount         N/A         N/A         N/A           95         555.09         Zh Make-Whole-Payment Distribution 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         555.1         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 Regulation-Up Distribution Amount         N/A         N/A           103         555.07         DA Supplemental Reserve Distribution Amount         N/A         N/A           104         555.08         RT Contingency Reserve Deptyment Failure Amount         N/A         N/A           105         555.11	91						
94         555.09 RT Asset Energy Amount***         N/A         N/A         N/A           95         555.0 RT Non-Asset Energy Amount         N/A         N/A         N/A           96         555.0 RT R Non-Asset Energy Amount         N/A         N/A         N/A           97         555.1 RT Make-Whole-Payment Distribution Amount         N/A         N/A         N/A           98         555.18 RT Revenue Sufficiency Guarantee Distribution Amount         N/A         N/A         N/A           100         555.0 RT R Revenue Neutrality Uplift Distribution Amount         N/A         N/A         N/A           101         555.0 LP DA Regulation-Dwn Distribution Amount         N/A         N/A         N/A           101         555.0 LP DA Regulation-Up Distribution Amount         N/A         N/A         N/A           102         555.0 DB DA Signing Reserve Distribution Amount         N/A         N/A         N/A           103         555.0 RD TA Signing Reserve Deployment Failure Amount         N/A         N/A         N/A           104         555.0 RB RT Contingency Reserve Deployment Failure Amount         N/A         N/A         N/A           105         555.11 RT Regulation-Down Distribution Amount         N/A         N/A         N/A           106         55	93	555.03	DA Non-asset Energy Amount	N/A	N/A	E	
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           100         555.16         RT Revenue Neutrality Uplift Distribution Amount         N/A         N/A           100         555.04         DA Regulation-Dwn Distribution Amount         N/A         N/A           101         555.05         DA Signing Reserve Distribution Amount         N/A         N/A           102         555.06         DA Signing Reserve Distribution Amount         N/A         N/A           103         555.07         DA Supplemental Reserve Distribution Amount         N/A         N/A           104         555.06         DA Signing Reserve Deployment Failure Amount         N/A         N/A           104         555.07         DA Signing Reserve Deployment Failure Amount         N/A         N/A           105         555.11         RT Regulation-Down Distribution Amount         N/A         N/A           106         565.12         RT Regulation-Down Distribution Amount         N/A         N/A           109         555.14	94	555.09	RT Asset Energy 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-Down Distribution Amount         N/A         N/A           102         555.06 DA Spining 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-Down Distribution Amount         N/A         N/A           108         555.14 RT Regulation-Domance Distribution Amount         N/A         N/A           109         555.16 RT Spining Reserve Distribution Amount         N/A         N/A	96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
100	98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
101   555.05   DA Regulation-Up Distribution Amount   N/A   N/A		555.04	DA Regulation-Down Distribution Amount			L	
103   555.07   DA Supplemental Reserve Distribution Amount   N/A   N/A     104   555.08 R TC 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 Non-Performance Distribution Amount   N/A   N/A     109   555.16   RT Spinning Reserve Distribution Amount   N/A   N/A     109   109   109   100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100   100   100   100     100   100   100   100   100   100   100   100   100   100     100	101	555.05	DA Regulation-Up Distribution Amount		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 Spining Reserve Distribution Amount         N/A         N/A	103	555.07	DA Supplemental Reserve 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		555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A	E	
108         555.14         RT Regulation-Up Distribution Amount         N/A         N/A           109         555.16         RT Spinning Reserve Distribution Amount         N/A         N/A	106	555.12	RT Regulation-Down Distribution Amount				
109   333.10   R1 3 pillilling RESERVE DISTIDUITION AMOUNT   N/A   N/A   N/A	108	555.14	RT Regulation-Up 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		555.2	RT Pseudo Tie Congestion Amount				
113   555.23   Miscellaneous Amount   N/A   N/A	113	555.23	Miscellaneous Amount	N/A	N/A		
114   595_6   ARK Lisseoti Yearry 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		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		TO Concodic 1744 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	555.27	Total SPP Wholesale Market Charges	IVA	IN/A		
121		Total SPP wholesale market Charges				
		MISO ASM				
123			11/4			
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 Amoun	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		THOM GRAIGE SPECIFICATION
140		Total MISO ASM	1975	1975		
141		Total miles Adm				
142		Total Wholesale Market Charges				
143		Total Wildesale Market Charges				
144						
145	Durchae	ed Power				
146	Fulcilas	ed Fower	IPROTECTED DAT	A DECIME		
147		Edgeley PPA	[FROTECTED DAT	A BEGINS		
148		Langdon PPA	_			
149		Ashtabula III PPA	_			
150		Ashtabula III PPA Tribal (WAPA)	_			Not Applicable to EAD. Evoluted from Total
		WAPA Energy Imbalance	_			Not Applicable to EAR - Excluded from Total
151			_			
152		Shared Loads	_			
153		Small Co-gen	_			
154		Bilateral purchases	_			
155		Market Purchases				MISO and SPP Energy Only
156				TECTED DATA EN	IDS]	
157		Total Purchases	101,170	101,228		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	ırtailment	(95)	2,109		
160						
161	Asset B	ased Sales	14,530	67,335		Credit to MN FCA Calculation - Subtracted from Total
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
102						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
102						
163		Asset Based Margins				Based Sales
		Asset Based Margins				Based Sales

Line 1 2 3 4 5 5 6	Plant Ge		July 2021	July 2021	per MWn	
1 2 3 4 5						
1 2 3 4 5		eneration	Forecast [PROTECTED DAT	Actual A REGINS		Notes
3 4 5		Big Stone	-			
5		Coyote Hoot Lake #2	-			Actuals include Hoot Lake #2 and #3 combined
		Hoot Lake #3		PROTECTED DAT	TA ENDSI	
6		Total Coal	\$ 20.27	\$ 19.67		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9 10		Ashtabula Wind Luverne Wind	-			
11		Merricourt	-			
12 13		Total Wind		PROTECTED DAT	A ENDS	
14 15		Total Hydro	\$ -	\$ -		
16 17		Jamestown 1	PROTECTED DAT	A BEGINS		
18		Jamestown 2	-			
19 20		Lake Preston Fergus Control Center	-			
21		Total Oil - Peaking Units		PROTECTED DAT	A ENDS]	
23			PROTECTED DAT	A BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	-			
26 27		Total Natural Gas	\$ 22.52	PROTECTED DATE \$ 44.15	A ENDS]	
28			[PROTECTED DAT			
29 30		Solar - Blue Jay Solar - Blue Heron				
31 32		Total Solar		PROTECTED DAT	A ENDS]	
33						
34 35		Total OTP-Owned	\$ 42.79	\$ 63.82		
36 37		ale Market Charges MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41 42	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
43 44	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
45		RT Loss Amount	N/A	N/A		
46 47	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48 49	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51 52	555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
60	555.35	FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A	N/A		
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68 69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70 71	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A	N/A		
73 74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77 78	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80 81	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82 83	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A			
84	555.06	DA Losses Rebate on COGA	N/A	N/A		
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
87 88		Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
89		Total MISO Wholesale Market Charges				
90 91		SPP Wholesale Market Charges				
92 93		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95 96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97 98	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100 101	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
107 108	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
113	EEE 26	ARR Closeout Yearly Amount	N/A N/A	N/A		

116 117		RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		INT Ochedule 1A4 is a flew charge type iii 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	555.27	Total SPP Wholesale Market Charges	IN/A	IVA		
		Total SPP wholesale warket Charges				
122		MICO ACM				
		MISO ASM	11/4			
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	Purchas	ed Power				
146		04.1 01101	IPROTECTED DATA	A REGINS		
147		Edgeley PPA	[· · · · · · · · · · · · · · · · · · ·	· DEGINO		
148		Langdon PPA	-			
149		Ashtabula III PPA	-			
150		Tribal (WAPA)	-			Not Applicable to EAR - Excluded from Total
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		Walket Fulcilases		PROTECTED DA	TA ENDO	WIGO and GFF Energy Only
156		Total Purchases			A ENDS	Tribal (WAPA) excluded from Total
157		Total Purchases	a 27.61	a 30.68	<u> </u>	Tribai (VVAPA) excluded from Total
158	Mind Co	rtailment	\$ 30.40	\$ 30.65	<b>-</b>	<del> </del>
160	wind Cu	rtanment	\$ 30.40	a 30.65		
	A 4 -			A 00.00		
161	Asset Ba	ased Sales	\$ 32.25	\$ 36.39		I Control Novik and Manada Movillana and accounted blood to control Account
		F 10 .			ĺ	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A		Based Sales
102					l	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins	N/A	N/A		Based Sales
		Asset Based Margins stem - Plant Level	\$ 19.11			Based Sales Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

-							
F			August 2 August 2021	021 Forecast to A August 2021	ctual - Expense	(Revenue)	
Line	Plant Go	eneration	Forecast [PROTECTED DAT	Actual			Notes
1		Big Stone	-	A DEGINO			
3		Coyote Hoot Lake #2	-				Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3	-		PROTECTE	D DATA ENDS	
6		Total Coal	\$ 2,854,311			40.66%	
8		Langdon Wind	PROTECTED DAT	A BEGINS		l	
9		Ashtabula Wind Luverne Wind	-				
11		Merricourt	-				
12 13		Total Wind	\$ -	\$ -	\$ -	D DATA ENDS]	
14 15		Total Hydro	\$ -	s -	\$ -	0	
16 17			PROTECTED DAT	A BEGINS			
18		Jamestown 1 Jamestown 2	-				
19 20		Lake Preston Fergus Control Center	-				
21 22		Total Oil - Peaking Units	\$ 183,923	•	PROTECTE \$ (183,923)	D DATA ENDS] -100.00%	
23			PROTECTED DAT		¥ (100,020)	100.0070	
24 25		Natural gas - Solway Natural gas - Astoria	-				
26 27		Total Natural Gas	\$ 535,138	\$ 2,189,021		D DATA ENDS] 309.06%	
28			PROTECTED DAT		,000,000	333.0376	
29 30		Solar - Blue Jay Solar - Blue Heron				<u> </u>	
31 32		Total Solar	\$ -	\$ -	PROTECTE	D DATA ENDS] 0	
33 34		Total OTP-Owned				73.62%	
35	10.00		\$ 3,573,372	φ 0,∠U4,U32	<b>y</b> ∠,03U,00U	13.62%	
36 37	Wholesa	ile Market Charges MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ - \$ -	7	\$ - ¢ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.09	DA Non-asset Energy Amount***	\$ -	\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
41 42	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ - \$ (131,556)	\$ - \$ (314,383)	\$ - \$ (182,827)	138.97%	Energy Amounts - included/embedded within Market Purchases
43 44	555.21	RT FBT Loss Amount DA Loss Amount	\$ - \$ 357,770		\$ -	153.33%	
45		RT Loss Amount	\$ 10,405	\$ (20,343)	\$ (30,748)	-295.52%	
46 47	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
48 49	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -		\$ - \$ -	0	
50	555.01	DA Mkt Admin Amount	\$ 37,229	\$ 51,385	\$ 14,157		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 4,456 \$ 1,500			75.46% 61.92%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54		DA FBT Congestion Amount DA Congestion	\$ - \$ 172,393	\$ - \$ 2,754,663	\$ -	1497.90%	
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$ -	0	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ (8,824) \$ (250,560)	\$ 260,114 \$ (3,281,280)	\$ (3,030,720)	-3047.71% 1209.58%	
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (14,226) \$ (1,015)	\$ (26,485) \$ -	\$ (12,259) \$ 1,015	86.18% -100.00%	
60	555.35	FTR Monthly Transaction Amount	\$ (6,890)		\$ 6,890	-100.00%	
61 62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 5,384 \$ (9,772)	\$ 92,204	\$ 101,976	-1812.61% -1043.51%	
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (147,249) \$ 146,367		\$ (2,146,227) \$ 2,129,076	1457.55% 1454.62%	
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 3,486 \$ (37,770)	\$ 17,240	\$ 13,754	394.52%	
67	555.07	DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ (32,585) \$ -	86.27% 0	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 5,437 \$ (2,574)			53.09% 539.89%	
70 71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 96,052	\$ 73,964	334.85% -100.00%	
72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (19,681) \$ (12,497)	\$ (56,672)	\$ (44,175)	353.47%	
73 74	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 42,457 \$ 18,176	\$ 16,867 \$ (842)		-60.27% -104.63%	
75 76	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 1,235 \$	\$ 1,349 \$ -		9.20%	
77	555.59	RT Demand Response Allocation Uplift Amount	\$ -	\$ 23,265		. 0	
78 79	555.64	DA Ramp Product RT Ramp Product	\$ (1,999) \$ 33	\$ (2,340) \$ (1,933)	\$ (1,966)	17.07% -6041.67%	
80 81		RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 15,692 \$ -	\$ 7,773 \$ -	\$ (7,919) \$ -	-50.46% 0	
82	555.56	RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
83 84	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$ - \$ -	\$ -	\$ - \$ -	0	
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
87	300.20	Net Congestion and Losses Adjustment & No DA Generation Schedul	\$ -	\$ (30,472)	\$ (30,472)	Ö	
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***	\$ -		\$ -	Ō	Energy Amounts - included/embedded within Market Purchases
93 94	555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	\$ - \$ -	\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
95 96	555.00 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 101 \$ -	\$ 0	\$ (101)	-99.86%	
98 99	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$ 10			-102.20%	
100 101		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$ 9 \$ 13			-99.78% -100.70%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 14 \$ 2	\$ (0)	\$ (14)	-100.14% -99.43%	
104	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
105 106		RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (8,591) \$ (1)		\$ (4,156) \$ 1	48.37% -100.00%	
107	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ (0) \$ (1)	\$ 0	\$ 0	-118.82% -100.00%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110 111		RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (43,723)		\$ 0 \$ (11,598)	-100.00% 26.53%	
112	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (14,210) \$ (9)	\$ (20,718)	\$ (6,508)	45.80% 285.86%	
114	555.26	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0	1

116	EEE 20	RT Schedule 1A3 Amount	\$		\$		\$		0	RT Schedule 1A3 is a new charge type in 2021
117			\$		\$	-	\$	_		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	9	-	S	(7)	-99.70%	KT Scriedule TA4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$	- 0	\$	- (7)	-99.70% 0	
120		DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$		\$	- :	0	
	555.27					(88.821)		(22,441)	33.81%	
121 122		Total SPP Wholesale Market Charges	Þ	(66,380)	*	(88,821)	1	(22,441)	33.81%	
123		MISO ASM			_		_			
			•	(00 555)	•	(50.440)		4 440	7.000/	
124		Day Ahead Regulation Amount	\$	(60,555)	\$	(56,142)		4,412	-7.29%	
125		Real Time Regulation Amount		7,288	5	17,238		9,950	136.53% 62.32%	
126		Regulation Cost Distribution Amount	\$	10,793	\$	17,520		6,726		N
127		Day Ahead Short-Term Reserve Amount	Ψ	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$		\$		\$	-		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	\$	-	\$	-	\$	-		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	s,	72,778	\$	30,317	71.40%	
143					777775					
144					100000					
145	Purchas	sed Power								
146			[PRO	TECTED DAT	A BE	GINS				
147		Edgeley PPA	Г							
148		Langdon PPA	Ī							
149		Ashtabula III PPA	Г							
150		Tribal (WAPA)	Γ							Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Ī							
152		Shared Loads	Ī							
153		Small Co-gen	Γ							
154		Bilateral purchases	Ť							
155		Market Purchases	Ī							MISO and SPP Energy Only
156								PROTECTE	D DATA ENDS	** •
157		Total Purchases	\$	4.860.413	\$	3.851.936		(1,008,477)		Tribal (WAPA) excluded from Total
			<u> </u>	,,	<u> </u>	.,,	Ť	, , , , , ,		
158					•			(40,792)	-271.71%	
	Wind C	urtailment	S	15.013	l \$	(25,779)				
158 159	Wind C	utailment	\$	15,013	*	(25,779)	3	(40,732)	-2/1./1/0	
158 159 160						, , , , ,		, ,, ,,		Credit to MN ECA Calculation - Subtracted from Total
158 159 160 161		Based Sales	\$	342,972	\$	1,969,603	\$	1,626,631	474.27%	Credit to MN FCA Calculation - Subtracted from Total
158 159 160 161 162		Based Sales  Fuel Costs	<b>\$</b>	<b>342,972</b> 225,957	<b>\$</b>	1,969,603 1,411,826	<b>\$</b>	<b>1,626,631</b> 1,185,868	<b>474.27%</b> 524.82%	Credit to MN FCA Calculation - Subtracted from Total
158 159 160 161		Based Sales	\$	342,972	<b>\$</b>	1,969,603	<b>\$</b>	1,626,631	474.27%	Credit to MN FCA Calculation - Subtracted from Total

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

				orecast to Actual	- MWI	h
			August 2021 Forecast	August 2021 Actual		Notes
Line	Plant Ge	eneration	[PROTECTED DAT	A BEGINS		
2		Big Stone Coyote	_			
3		Hoot Lake #2	_			Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3	PRC	TECTED DATA E	NDS]	
6 7		Total Coal	125,096 [PROTECTED DAT	183,558		
8		Langdon Wind		A BEGINS		
9		Ashtabula Wind Luverne Wind	_	•		
11		Merricourt				
12		Total Wind	PRC 47,549	TECTED DATA E 78,586	NDS]	
14						
15 16		Total Hydro	1,699 [PROTECTED DAT	128 A BEGINS		
17		Jamestown 1	_			
18 19		Jamestown 2 Lake Preston	_			
20		Fergus Control Center	PRO	TECTED DATA E	NDS1	
22		Total Oil - Peaking Units	791	-		
23 24		Natural gas - Solway	[PROTECTED DAT	A BEGINS		
25		Natural gas - Astoria	- -	TEOTED DATA E	LIDO1	
26 27		Total Natural Gas	22,864			
28 29		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
30		Solar - Blue Heron				
31 32		Total Solar	PRC	TECTED DATA E	NDS]	
33						
34 35		Total OTP-Owned	197,999	316,383		
36	Wholesa	ile Market Charges				
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	E	
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44		DA Loss Amount	N/A	N/A		
45 46		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48 49	555.32	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.13	FTR Mkt Admin Amount	N/A	N/A		
53 54		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61		FTR Full Funding Guarantee Amount	N/A N/A	N/A		
62 63	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A	N/A N/A		
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72 73		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79	555.63 555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
83	555.05	DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A	N/A		
86 87		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
88			IN/A	IN/A		
89 90		Total MISO Wholesale Market Charges			-	
91		SPP Wholesale Market Charges		****		
92		DA Asset Energy Amount***  DA Non-asset Energy Amount	N/A N/A	N/A N/A	<del>                                     </del>	
94 95	555.09	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97 98	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A	_	
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106 107	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A	E	
108 109	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111 112		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114 115		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A	<del>                                     </del>	
	300.20		19/5	. IVA		•

116	FFF 00	RT Schedule 1A3 Amount	N/A	N/A	_	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
119		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 Amoun	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	Purchas	ed Power				
146			IPROTECTED DAT	A BEGINS		
147		Edgeley PPA	<b>L</b>			
148		Langdon PPA	<del>-</del>			
149		Ashtabula III PPA	-			
150		Tribal (WAPA)	-			Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	-			Thot Applicable to EAR - Excitated from Total
152		Shared Loads	-			
153		Small Co-gen	-		_	
154		Bilateral purchases	F			
155		Market Purchases	<del>-</del> .			MISO and SPP Energy Only
156		marrot i aronaced	PRO	TECTED DATA EI	UDS1	and or r. Energy Only
157		Total Purchases	204.269	122.349	100]	Tribal (WAPA) excluded from Total
158		i otal Purchases	204,209	144,349		Titodi (**ALA) oxoloded HUIII Tutal
159	Wind C	ırtailment	494	(833)		
160	Willia Ct	n tannient	494	(033)		
161	Accet B	ased Sales	9.356	46,217	<b>—</b>	Credit to MN FCA Calculation - Subtracted from Total
101	ASSET B	aseu Jaies	9,356	46,217	_	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
162		ruei Cosis			_	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164 165		stem - Plant Level	393,405	391.682		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

Į.				ecast to Actual - S	per MWh	
			August 2021 Forecast	August 2021 Actual		Notes
Line	Plant G	eneration	PROTECTED DATA	A BEGINS		
1 2		Big Stone Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3		PROTECTED DAT	A ENDS]	
6 7		Total Coal	\$ 22.82 IPROTECTED DATA	\$ 21.87		
8		Langdon Wind	PROTECTED DATA	A BEGINS		
9		Ashtabula Wind Luverne Wind	-			
11		Merricourt				
12 13		Total Wind	\$ -	PROTECTED DAT	A ENDS]	
14						
15 16		Total Hydro	PROTECTED DATA	\$ - A BEGINS		
17		Jamestown 1				
18 19		Jamestown 2 Lake Preston	-			
20 21		Fergus Control Center		PROTECTED DAT	A ENDS1	
22		Total Oil - Peaking Units	\$ -	\$ -	A ENDO	
23		Natural gas - Solway	[PROTECTED DATA	A BEGINS		
25		Natural gas - Astoria	-			
26 27		Total Natural Gas	\$ 23.40	PROTECTED DAT \$ 40.46	A ENDS]	
28			[PROTECTED DATA	A BEGINS		
29 30		Solar - Blue Jay Solar - Blue Heron	-	_		
31 32		Total Solar		PROTECTED DAT	A ENDS]	
33						
34 35		Total OTP-Owned	\$ 46.22	\$ 62.34		
36	Wholes	ale Market Charges				
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40		DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
45	FFF 00	RT Loss Amount	N/A	N/A		
46 47	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53		DA FBT Congestion Amount	N/A	N/A		
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56		RT Congestion	N/A	N/A		
57 58		FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
59 60	555.17	FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
61	555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
62	555.37	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63 64	555.38	FTR Annual Transaction Amount	N/A	N/A		
65 66		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71 72		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73 74	555.28	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76 77		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79 80	555.64 555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82 83	555.56 555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84	555.06	DA Losses Rebate on COGA	N/A	N/A		
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	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						
92		SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
93 94		DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
95	555	RT Non-Asset Energy Amount	N/A	N/A		
96 97	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99 100	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102 103		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
107 108	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110		RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
112	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
113 114	555.23 555.26	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		
115		RT Demand Reduction Distribution Amount	N/A	N/A		

116	EEE 20	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A3 Amount		N/A		RT Schedule 1A4 is a new charge type in 2021
117			N/A N/A	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	N/A N/A		
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
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	Purchas	sed Power				
146			[PROTECTED DATA	A BEGINS		
147		Edgeley PPA	Ī			
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 DA	A ENDS]	
157		Total Purchases	\$ 23.79	\$ 31.48		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	\$ 30.40	\$ 30.94		
160						
161	Asset B	ased Sales	\$ 36.66	\$ 42.62		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A	l	Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins	N/A	N/A	l	Based Sales
164						
						THE COURSE OF TH
165	Total Sv	stem - Plant Level	\$ 20.71	\$ 20.77		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

[					2021 Forecast to September 2021	Actual - Expens	se (Revenue)	
			Forec	ast	Actual			Notes
Line 1		eneration Big Stone	[PROTECT	TED DATA	BEGINS			
3		Coyote Hoot Lake #2	Į					Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3					·	Petuals include Floor Lake #2 and #3 combined
5 6		Total Coal	\$ 2,2	223,903	\$ 2,964,352		33.30%	
7 8		Langdon Wind	[PROTECT	TED DATA	BEGINS			
9		Ashtabula Wind	‡					
10 11		Luverne Wind Merricourt	+					
12		Total Wind	•		s -	PROTECTE	ED DATA ENDS]	
14					•		·	
15 16		Total Hydro	\$ [PROTECT			\$ -	0	
17 18		Jamestown 1 Jamestown 2	F					
19		Lake Preston	‡					
20 21		Fergus Control Center					ED DATA ENDS]	
22		Total Oil - Peaking Units	\$ [PROTECT	-   TED DATA		\$ -	0	
24 25		Natural gas - Solway Natural gas - Astoria	_		*			
26							ED DATA ENDS]	
27 28		Total Natural Gas	\$ 2	220,930   TED DAT <i>A</i>		\$ 929,288	420.63%	
29 30		Solar - Blue Jay Solar - Blue Heron	- <u> </u>					
31 32		Total Solar	- s		\$ -	PROTECTE	ED DATA ENDS]	
33							·	
34 35		Total OTP-Owned	\$ 2,4	444,833	\$ 4,114,570	\$ 1,669,737	68.30%	
36 37		ale Market Charges MISO Wholesale Market Charges						
38	555.02	DA Asset Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	\$		\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ (	- 124,791)		\$ - \$ (96,179)		Energy Amounts - included/embedded within Market Purchases
43	555.21	RT FBT Loss Amount	\$	-	\$ -	\$ -	0	
44 45		DA Loss Amount RT Loss Amount	\$ 3		\$ 706,051 \$ 35,415	\$ 366,679 \$ 25,545	108.05% 258.82%	
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	S S			\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$	-	\$ -	\$ -	0	
49 50	555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$	42,337	\$ 47,854	\$ 5,517		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$	6,152 1,946			36.75% 7.42%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable  Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$	-	\$ -	\$ -	0	
54 55		DA Congestion RT FBT Congestion Amount	\$		\$ -	\$ -	0	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ (2		\$ 339,709 \$ (3,498,371)	\$ 348,079 \$ (3,260,695)	-4158.41% 1371.91%	
58 59	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount		(13,494)	\$ (126,712)	\$ (113,218) \$ 963	839.01% -100.00%	
60	555.35	FTR Monthly Transaction Amount	\$	(6,535)	\$ -	\$ 6,535	-100.00%	
61 62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$		\$ (128,496) \$ 128,496	\$ (126,706) \$ 126,964	7078.91% 8286.01%	
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount		247,873) 247,787		\$ (1,275,209) \$ 1,263,760	514.46% 510.02%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$	9,766	\$ 18,657	\$ 8,890	91.03%	
66 67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$	(24,249)	\$ -	\$ -	285.48% 0	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	4,931 (5,234)		\$ 4,819 \$ 3,668	97.72% -70.07%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$	22,089	\$ 65,125	\$ 43,036	194.83%	
71 72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$	(19,681) (12,497)	\$ (35,784)		-100.00% 186.33%	
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	\$	42,457 18,176			164.87% -111.60%	
75 76	555.27	RT Net Inadvertent Amount	\$	1,235	\$ (2,573)		-308.38%	
77	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$	-	\$ 22,065	\$ 22,065	0	
78 79	555.64	DA Ramp Product RT Ramp Product	\$	(1,681) (257)	\$ (827)		-73.09% 221.51%	
80 81	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ \$	15,692	\$ 7,668		-51.13%	Energy Amounts - included/embedded within Market Purchases
82	555.56	RT ASM Excessive Energy Amount***	\$	-	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases  Energy Amounts - included/embedded within Market Purchases
83 84	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$	-	\$ -	\$ - \$ -	0	
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$			\$ - \$ -	0	
87		Net Congestion and Losses Adjustment & No DA Generation Schedu	\$			\$ 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		SPP Wholesale Market Charges		$\exists$				
92 93	555.19	DA Asset Energy Amount**  DA Non-asset Energy Amount	\$			\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.09	RT Asset Energy Amount***	\$	-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$	-	\$ -	\$ - \$ -	0	
97 98	555.10	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$	101			-99.64% 0	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	10	\$ 0	\$ (10)	-99.90%	
100 101	555.05	DA Regulation-Down Distribution Amount  DA Regulation-Up Distribution Amount	\$	9 13	\$ -	\$ (13)	-100.00%	
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$	14 2	\$ 0		-99.86%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$	(0)	\$ -	\$ 0	-100.00%	
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$	(8,150)	\$ -	\$ 1	-100.00%	
107 108	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$	(0)	\$ (0)	\$ 0 \$ 1	-95.29%	
109	555.16	RT Spinning Reserve Distribution Amount	\$	(0)	\$ -	\$ 0	-100.00%	
110 111	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$		\$ (168,468)		306.19%	
112 113	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$	(13,479)	\$ (23,962)	\$ (10,483) \$ 10	77.77% -110.77%	
114	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$	-	\$ -	\$ -	0	
115	ეეე.∠გ	N i Demand Reduction Distribution AMOUNT	\$	-	\$ -	\$ -	0	1

116	EEE 20	RT Schedule 1A3 Amount	S	-	s		s		^	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A3 Amount	S	-	\$		\$	- 0		
117		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7						RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	\$	- '	S		\$	(7)	-100.00%	
					S		\$	-	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$			-				
121		Total SPP Wholesale Market Charges	\$	(62,959)	\$	(204,658)	\$	(141,699)	225.06%	
122					├		₩			
123		MISO ASM	_	(50.55.1)	_	(02.550)	_			
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	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$		\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$		\$	-		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	\$			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	\$	-	\$		\$	-		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					<u> </u>					
142		Total Wholesale Market Charges	\$	62,324	\$	(1,039,315)	\$	(1,101,640)	-1767.59%	
143										
144					<u> </u>					
145	Purchas	sed Power			<u> </u>					
146			[PROT	TECTED DAT	A BE	EGINS				
147		Edgeley PPA								
148		Langdon PPA	L							
149		Ashtabula III PPA	E							
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	L							
152		Shared Loads	L							
153		Small Co-gen	L							·
154		Bilateral purchases	I .							
155		Market Purchases	L		_					MISO and SPP Energy Only
156									D DATA ENDS]	
157		Total Purchases	\$	4,918,173	\$	2,205,382	\$	(2,712,790)	-55.16%	Tribal (WAPA) excluded from Total
158										
159	Wind Cu	urtailment	\$	8,072	\$	(5,657)	\$	(13,729)	-170.09%	
160										
161	Asset B	ased Sales	\$	179,438	S	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%	
			_				<del>-</del>	. ,		ł
164					Į.		1			

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

				Forecast to Actu	al - M\	Wh
			September 2021 Forecast	September 2021 Actual	Ī	Notes
Line	Plant Ge	eneration	[PROTECTED DAT	A BEGINS		Notes
2		Big Stone Coyote	_			
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
<u>4</u> 5		Hoot Lake #3	PR0	TECTED DATA E	NDS1	
6		Total Coal	93,020 IPROTECTED DA	144,130		
7 8		Langdon Wind	[PROTECTED DA	IA BEGINS		
9		Ashtabula Wind Luverne Wind				
11		Merricourt				
12		Total Wind	PR0 61,117	OTECTED DATA E 90,098	NDS]	
14						
15 16		Total Hydro	1,644 [PROTECTED DA	TA BEGINS		
17		Jamestown 1	_	-		
18 19		Jamestown 2 Lake Preston		_		
20		Fergus Control Center	PRO	TECTED DATA E	NDS1	
22		Total Oil - Peaking Units	-	-		
23 24		Natural gas - Solway	[PROTECTED DA	TA BEGINS		
25		Natural gas - Astoria		-	LIDO1	
26 27		Total Natural Gas	7,929		ND5j	
28 29		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
30		Solar - Blue Jay Solar - Blue Heron		-		
31 32		Total Solar	PR0	OTECTED DATA E	NDS]	
33						
34 35		Total OTP-Owned	163,710	254,212		
36		ale Market Charges				
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	E	
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A N/A		
42 43		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
44		DA Loss Amount	N/A	N/A		
45 46		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48 49		DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.13	FTR Mkt Admin Amount	N/A	N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59 60	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62 63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71	555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72 73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75 76	555.27 555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A	H	
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79	555.63 555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A		
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A	N/A N/A		
83	555.05	DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A	N/A		
86 87		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
88			19/0	14/		
89 90		Total MISO Wholesale Market Charges		+	-	
91		SPP Wholesale Market Charges	£	B174		
92 93		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94 95	555.09	RT Asset Energy Amount***	N/A N/A	N/A N/A		
96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04 555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A	<del>                                     </del>	
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106 107	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A	E	
108 109	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111 112	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114 115		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A	$\vdash$	

116	555 29	RT Schedule 1A3 Amount	N/A	N/A	$\overline{}$	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	-	TO Conedule 1744 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	-	
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	-	
121	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A	-	
122		Total SPP wholesale market Charges			—	
		MISO ASM			—	
123				11/4	-	
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	ш'	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 Amoun	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			$\overline{}$	
141					$\overline{}$	
142		Total Wholesale Market Charges				
143		Total Wildows Market Granges			$\overline{}$	
144						
145	Durchae	ed Power			$\overline{}$	
146	i ui ciius	64 1 0#61	IPROTECTED DAT	A REGINS		
147		Edgeley PPA	[I KOTEOTED DAT	A DEGINO	-	
148		Langdon PPA	_	•	-	
149		Ashtabula III PPA	_			
150		Tribal (WAPA)	_		-	Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	_		$\vdash$	Not Applicable to EAR - Excluded Ironi Total
152		Shared Loads	_		-	
		Small Co-gen	_		-	
153			_		$\vdash$	
154		Bilateral purchases	_		ш'	W00 1000 5
155		Market Purchases		TEATER DAT: -		MISO and SPP Energy Only
156		<u>.</u>		TECTED DATA EN	IDS]	TU LOUADA
157		Total Purchases	214,079	58,910	<u>'</u>	Tribal (WAPA) excluded from Total
158						
159	Wind Cu	ırtailment	266	(180)	<u>'</u>	ļ
160					'	
161	Asset B	ased Sales	5,126	59,054		Credit to MN FCA Calculation - Subtracted from Total
1 T	,				ı 7	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
l T					ı ¬	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
400		Asset Based Margins			, ,	Based Sales
163						
163 164 165		stem - Plant Level	372.928	253.889		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

Line 1 2 3 4 5 6 7 8 9 10						
1 2 3 4 5 6 7 8			September 2021 For September 2021		- \$ per MV	/h
1 2 3 4 5 6 7 8			Forecast	Actual		Notes
2 3 4 5 6 7 8	Plant Ge	eneration Big Stone	[PROTECTED DAT.	A BEGINS		
4 5 6 7 8 9		Coyote	Ī			
5 6 7 8 9		Hoot Lake #2 Hoot Lake #3	Ī			Actuals include Hoot Lake #2 and #3 combined
7 8 9				PROTECTED DAT	A ENDS]	
8		Total Coal	\$ 23.91 IPROTECTED DAT			
9		Langdon Wind	JPROTECTED DATA	A BEGINS		
		Ashtabula Wind		-		
11		Luverne Wind Merricourt	-			
12				PROTECTED DAT	A ENDS]	
13 14		Total Wind	\$ -	\$ -		
15		Total Hydro		\$ -		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2				
19 20		Lake Preston Fergus Control Center	-	<u>-</u>		
21				PROTECTED DAT	A ENDS]	
22 23		Total Oil - Peaking Units	PROTECTED DATA	S - A BEGINS		
24		Natural gas - Solway				
25 26		Natural gas - Astoria		PROTECTED DAT	A ENDSI	
27		Total Natural Gas	\$ 27.87	\$ 58.06		
28 29		Solar - Blue Jay	PROTECTED DAT	A BEGINS	1	
30		Solar - Blue Heron		DDOTEST		
31 32		Total Solar		PROTECTED DAT	A ENDS]	
33						
34 35		Total OTP-Owned	\$ 51.77	\$ 78.62	1	
36		ale Market Charges				
37 38	555.02	MISO Wholesale Market Charges  DA Asset Energy Amount****	N/A	N/A	-	
39	555.04	DA FBT Loss Amount	N/A	N/A		
40 41	555.09 555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A	<b> </b>	
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43 44	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A	<b> </b>	
45		RT Loss Amount	N/A	N/A		
46 47	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49 50	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.18	RT Mkt Admin Amount	N/A	N/A		
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
54		DA Congestion	N/A	N/A		
55 56	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
57		FTR Hourly Allocation Amount	N/A	N/A		
58		FTR Monthly Allocation Amount	N/A	N/A		
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A	N/A		
62 63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
64		FTR Annual Transaction Amount	N/A N/A	N/A N/A		
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67 68	555.07	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
	555.27	RT Net Inadvertent Amount	N/A	N/A		
75	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
76		DA Ramp Product	N/A N/A			
76 77 78				N/A		
76 77 78 79		RT Ramp Product	N/A	N/A		
76 77 78 79 80 81	555.65 555.55	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A N/A	N/A N/A N/A		
76 77 78 79 80 81 82	555.65 555.55 555.56	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A N/A N/A	N/A N/A N/A N/A		
76 77 78 79 80 81 82 83	555.65 555.55 555.56 555.05 555.06	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84	555.65 555.55 555.56 555.05 555.06 555.22	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA TOG	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86	555.65 555.55 555.56 555.05 555.06 555.22	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87	555.65 555.55 555.56 555.05 555.06 555.22	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Scham Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 89	555.65 555.55 555.56 555.05 555.06 555.22	RT Ramp Product RT Schedule a9 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul  Total MISO Wholesale Market Charges	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90	555.65 555.55 555.06 555.06 555.22 555.23	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA TOGA Not COGA RT Loss Rebate on COGA TOGA Not COGA Net Congestion and Losses Adjustment & No DA Generation Schedul Total MISO Wholesale Market Charges SPP Wholesale Market Charges	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92	555.65 555.55 555.56 555.05 555.06 555.22 555.23	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount**	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93	555.65 555.56 555.56 555.06 555.02 555.22 555.23	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul  Total MISO Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A		
76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96	555.65 555.56 555.56 555.06 555.02 555.22 555.23 555.03 555.09 555.09	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul  Total MISO Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount RT Asset Energy Amount RT Nasset Energy Amount RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A	N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 99 91 92 93 94 95 96	555.65 555.56 555.56 555.06 555.06 555.22 555.23 555.23 555.19 555.03 555.03 555.09 555.02	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul Total MISO Wholesale Market Charges  SPP Wholesale Market Charges DA Asset Energy Amount** RT Asset Energy Amount** RT Non-Asset Energy Amount* RT Mon-Faste Energy Amount DA Make-Whole-Payment Distribution Amount	N/A	N/A		
76 77 78 80 81 82 83 84 85 86 87 99 90 91 92 93 94 95 96 97 98	555.65 555.55 555.56 555.05 555.05 555.02 555.22 555.23 555.03 555.03 555.03 555.03 555.03 555.03 555.15 555.15	RT Ramp Product RT Schedule a9 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul Total MISO Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount** RT Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	555.65 555.56 555.56 555.05 555.05 555.02 555.22 555.23 555.03 555.03 555.02 555.19 555.19 555.19 555.19	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA Total MISO Wholesale Market Charges  SPP Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT RR Revenue Neutrality Uplift Distribution Amount RT RR Revenue Neutrality Uplift Distribution Amount RT RR Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
76 77 78 78 79 80 81 82 83 84 85 86 87 88 89 91 92 93 94 95 96 97 98 99 100 101	555.65 555.55 555.56 555.05 555.05 555.02 555.22 555.19 555.03 555.03 555.02 555.15 555.02 555.15 555.03	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA Net Congestion Rebate on COGA RT Loss Rebate on COGA DA Losses Adjustment & No DA Generation Schedul  Total MISO Wholesale Market Charges  SPP Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount** RT Asset Energy Amount RT Asset Energy Amount DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A	N/A		
76 77 78 79 80 81 82 83 84 85 86 87 88 99 91 92 93 94 95 96 97 98 100 101 102	555. 65 555.55 555.55 555.55 555.05 555.06 555.22 555.23 555.03 555.03 555.03 555.03 555.15 555.15 555.15 555.15 555.04 555.04 555.04	RT Ramp Product RT Schedule a9 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul  Total MISO Wholesale Market Charges  SPP Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount RT Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplit Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regination Pol Distribution Amount DA Regination Pol Distribution Amount	N/A	N/A		
76 77 78 78 78 80 81 82 82 83 84 85 86 87 88 89 90 90 92 93 93 94 95 96 101 101 101 102 103	555. 65 555. 55 555. 55 555. 05 555. 06 555. 02 555. 22 555. 23 555. 03 555. 03 555. 03 555. 15 555. 16 555. 16	RT Ramp Product RT Schedule als Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul Net Congestion and Losses Adjustment & No DA Generation Schedul Total MISO Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount** RT Naset Energy Amount RT Maske-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount RT Ouer-Collegate Statistical Control of Supplemental Reserve Distribution Amount RT Osciption Statistical Control of Supplemental Reserve Distribution Amount RT Osciption Statistical Control of Supplemental Reserve Distribution Amount RT Osciption Statistical Control of Statistical Contr	N/A	N/A		
76 77 78 78 80 81 81 82 86 87 85 86 87 99 99 99 100 1002 99 99 99 1001 1002 1003 1004 1005 1006	555. 65 555. 55 555. 55 555. 55 555. 56 555. 05 555. 22 555. 23 555. 03 555. 03 555. 02 555. 19 555. 10 555. 10	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Mon-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss REBATE ON COGA R	N/A	N/A		
76 77 78 79 80 80 81 81 82 86 86 87 86 88 89 90 91 100 101 102 99 99 90 100 101 102 106 106 107 108	555. 65 555. 55 555. 55 555. 56 555. 56 555. 06 555. 06 555. 22 555. 23 555. 19 555. 19 555. 10 555. 10	RT Ramp Product RT Schedule a9 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA A Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Total MISO Wholesale Market Charges DA Asset Energy Amount** Total MISO Wholesale Market Charges DA Asset Energy Amount** RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Spinnia Reserve Distribution Amount DA Spinnia Reserve Distribution Amount RT On Control Processing Amount DA Spinnia Reserve Distribution Amount RT Contingency Reserve Delstribution Amount RT Regulation-Down Distribution Amount	N/A	N/A		
76	555. 65 555. 55 555. 55 555. 56 555. 05 555. 05 555. 06 555. 22 555. 23 555. 19 555. 03 555. 03 555. 09 555. 15 555. 16 555. 16 555. 16 555. 16 555. 16 555. 17 555. 18 555. 18	RT Ramp Product RT Schedule al Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Reverse Sufficiency Guarantee Distribution Amount RT Reverse Sufficiency Guarantee Distribution Amount RT Reverse Reserve Distribution Amount DA Regulation-Down Distribution Amount DA Supplemental Reserve Distribution Amount DA Supplemental Reserve Distribution Amount RT Cover-Collected Losses Distribution Amount RT Revented Reserve Distribution Amount RT Regulation-Up Distribution Amount RT Regulation-Down Distribution Amount RT Repulsation-Down Distribution Amount	N/A	N/A		
76 77 78 80 80 81 1 82 82 83 84 85 89 90 1 91 92 92 93 94 94 96 96 97 97 98 98 99 90 101 102 103 103 105 105 107 108 107 108 107 108 110 107 108 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 110	555. 65 555. 55 555. 55 555. 56 555. 06 555. 05 555. 06 555. 22 555. 19 555. 03 555. 09 555. 03 555. 09 555. 03 555. 05 555. 14 555. 14 555. 15 555. 14 555. 17 555. 14 555. 17 555. 14	RT Ramp Product RT Schedule al Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Solinning Reserve Distribution Amount DA Solinning Reserve Distribution Amount RT Contingency Reserve Destribution Amount RT Contingency Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Requilation-Down Non-Performance Distribution Amount RT Requilation-Non-Performance Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Repulation-Non-Performance Distribution Amount RT Supining Reserve Distribution Amount	N/A	N/A		
76 77 78 80 80 81 81 82 83 83 84 85 86 87 88 99 90 101 102 102 103 104 105 106 106 107 108	555. 65 555. 55 555. 56 555. 56 555. 56 555. 06 555. 06 555. 19 555. 1	RT Ramp Product RT Schedule a 9C ost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount** RT Asset Energy Amount** RT Asset Energy Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Du Distribution Amount DA Regulation-Du Distribution Amount DA Spinning Reserve Distribution Amount RT Contringency Reserve Destribution Amount RT Contringency Reserve Distribution Amount RT Contringency Reserve Distribution Amount RT Reyulation Non-Performance Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation Non-Performance Distribution Amount RT Repulation Non-Performance Distribution Amount RT Spinning Reserve Distribution Amount	N/A	N/A		
76 77 78 80 80 81 1 82 82 83 84 85 89 90 1 91 92 92 93 94 94 96 96 97 97 98 98 99 90 101 102 103 103 105 105 107 108 107 108 107 108 110 107 108 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 109 110 110	555. 65 555. 55 555. 56 555. 56 555. 06 555. 06 555. 22 555. 03 555. 09 555. 03 555. 09 555. 04 555. 04 555. 05 555. 04 555. 05 555. 04 555. 05 555. 06 555. 06 555. 07 555. 08 555. 0	RT Ramp Product RT Schedule al Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Solinning Reserve Distribution Amount DA Solinning Reserve Distribution Amount RT Contingency Reserve Destribution Amount RT Contingency Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Requilation-Down Non-Performance Distribution Amount RT Requilation-Non-Performance Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Regulation-Non-Performance Distribution Amount RT Repulation-Non-Performance Distribution Amount RT Supining Reserve Distribution Amount	N/A	N/A		

116	EEE 20	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A3 Amount		N/A		RT Schedule 1A4 is a new charge type in 2021
117			N/A N/A	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	N/A N/A		
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
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	Purchas	sed Power				
146 147		Edward DDA	[PROTECTED DATA	A BEGINS		
		Edgeley PPA Langdon PPA	_			
148			_			
149		Ashtabula III PPA	_			N.A. II. II. SAB S. I. I. I. T. I.
150		Tribal (WAPA) WAPA Energy Imbalance	_			Not Applicable to EAR - Excluded from Total
151			_			
152		Shared Loads	_			
153		Small Co-gen	_			
154		Bilateral purchases	_			Luco Long F
155		Market Purchases				MISO and SPP Energy Only
156				PROTECTED DAT	A ENDS]	T
157		Total Purchases	\$ 22.97	\$ 37.44		Tribal (WAPA) excluded from Total
158	Wind O	usta il mant	6 20.10	6 24.44		
159	Wind Cu	urtailment	\$ 30.40	\$ 31.41		
159 160			*			
159		urtailment ased Sales	\$ 30.40 \$ 35.00	\$ 31.41 \$ 29.57		Fuel Cost Mills and Marsin Mills are not appropried. Need to appropriately Appet
159 160 161		ased Sales	\$ 35.00	\$ 29.57		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
159 160			*			Based Sales
159 160 161 162		ased Sales Fuel Costs	\$ 35.00 N/A	\$ 29.57 N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
159 160 161 162 163		ased Sales	\$ 35.00	\$ 29.57		Based Sales
159 160 161 162	Asset B	ased Sales Fuel Costs	\$ 35.00 N/A	\$ 29.57 N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

					21 Forecast to A	ctual - Expense	(Revenue)	
			October Forec		October 2021 Actual			Notes
Line 1	Plant G	eneration	[PROTECT	ED DATA	BEGINS			
2		Big Stone Coyote	+					
3 4		Hoot Lake #2 Hoot Lake #3	F					Actuals include Hoot Lake #2 and #3 combined
5			-				D DATA ENDS]	
6 7		Total Coal		60,121 \$ ED DATA	1,543,295 REGINS	\$ (216,826)	-12.32%	
8		Langdon Wind	_	LD DATA	220			
9		Ashtabula Wind Luverne Wind	-					
11		Merricourt						
12		Total Wind	\$	-	5 -	PROTECTE	D DATA ENDS]	
14 15		Total Hydro			,	\$ -	0	
16		Total nyuro	[PROTECT					
17 18		Jamestown 1 Jamestown 2	Ţ.					
19		Lake Preston	t					
20		Fergus Control Center				PROTECTE	D DATA ENDS	
22		Total Oil - Peaking Units	\$	- \$				
23 24		Natural gas - Solway	[PROTECT	ED DATA	BEGINS			
25		Natural gas - Astoria				DROTECTE	D DATA ENDEL	
26 27		Total Natural Gas	\$	80,562 \$	3,093,800	\$ 3,013,238	D DATA ENDS] 3740.29%	
28 29		Solar - Blue Jay	PROTECT					
30		Solar - Blue Heron	<u> </u>				ı	
31 32		Total Solar	\$	- \$		PROTECTE	D DATA ENDS] 0	
33						ė 904F 100	450.00	
34 35		Total OTP-Owned	\$ 1,8	340,683 \$	4,656,089	\$ 2,815,406	152.95%	
36		ale Market Charges						
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	\$	- 8	<u> </u>	\$	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.04	DA FBT Loss Amount	\$	- 9		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
41	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$	- 9	-	\$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42 43	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	\$ (1 \$	31,318) 9	(228,550)	\$ (97,232) \$ -	74.04%	
44		DA Loss Amount	\$ 3	357,121	\$ 630,343	\$ 273,222	76.51%	
45 46		RT Loss Amount RT Non-Asset Energy Amount***	\$	10,386	\$ 108,089	\$ 97,703 \$ -	940.72%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$	- 9	-	\$ -	0	
48 49		DA Virtual Energy Amount RT Virtual Energy Amount	\$	- 9		\$ - \$ -	0	
50	555.01	DA Mkt Admin Amount	\$	55,818			-21.78%	
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	\$	6,499 \$ 1,867 \$		\$ 394 \$ (709)	6.06% -38.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$	- 9	-	\$ -	535.59%	
54 55		DA Congestion RT FBT Congestion Amount	\$ 1 \$	72,080 \$			535.59%	
56 57	555 1/	RT Congestion FTR Hourly Allocation Amount	\$ (2		\$ 535,216 \$ (1,590,312)		-6176.29% 535.85%	
58	555.15	FTR Monthly Allocation Amount	\$ (	(14,200)	(93,261)	\$ (79,061)	556.77%	
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$ \$	(1,014) \$		\$ 1,014 \$ (2,150,806)	-100.00% 31274.03%	
61	555.36	FTR Full Funding Guarantee Amount	\$ (	(17,652)	(7,272)	\$ 10,380	-58.80%	
62 63		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount		18,819 S 247,873) S		\$ 6,377 \$ (1,275,209)	33.89% 514.46%	
64	555.38	FTR Annual Transaction Amount	\$ 2	247,787 \$	1,511,547	\$ 1,263,760	510.02%	
65 66		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (	9,766 S (24,244) S	\$ 18,657 \$ (93,475)		91.03% 285.57%	
67		DA Congestion Rebate on Option B GFA	\$	- 9	-	\$ -	0	
68 69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		(12,324) \$		\$ (2,044)		
70 71	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$		\$ 80,368		263.84% -100.00%	
72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (	(12,497)	(10,802)	\$ 1,695	-13.56%	
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount		42,457 S			198.26% -124.19%	
75	555.27	RT Net Inadvertent Amount	\$	1,235	(7,480)	\$ (8,715)	-705.68%	
76 77	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$	- 9	5 - \$ 53,615	\$ - \$ 53,615	0	
78	555.63	DA Ramp Product	\$	(695)	(5,063)	\$ (4,368)	628.16%	
79 80	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$	(10) \$ 15,692 \$	(2,270) 7,528		22172.82% -52.02%	
81	555.55	RT ASM Non-Excessive Energy Amount***	\$	- 9	-	\$ - \$ -	0	
82 83	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$ \$	- 9	-	\$ -	0	Energy Amounts - included/embedded within Market Purchases
84 85	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$	- 9	-	\$ - \$ -	0	
86		RT Loss Rebate on COGA	\$	- 9	-	\$ -	0	
87 88		Net Congestion and Losses Adjustment & No DA Generation Schedul	\$	- 3	\$ 108,107	\$ 108,107	0	
89		Total MISO Wholesale Market Charges	\$ 1	76,882	\$ (1,423,354)	\$ (1,600,236)	-904.69%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		SPP Wholesale Market Charges	1		<del></del>		-	
92		DA Asset Energy Amount***	\$	- 9		\$ -		Energy Amounts - included/embedded within Market Purchases
93 94		DA Non-asset Energy Amount RT Asset Energy Amount***	\$	- 9	-	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$	- 9	-	\$ - \$ -	0	
96 97	555.10	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$	101			226.53%	
98 99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$ \$	- §	-	\$ -	0	
100	555.04	DA Regulation-Down Distribution Amount	\$	9 5	10	\$ 1	14.09%	
101 102	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$	13 S	38	\$ 26	198.37% 220.88%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$	2 \$	2	\$ (0)	-13.14%	
104 105		RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$	(0) 9			-100.00% 69.69%	
106	555.12	RT Regulation-Down Distribution Amount	\$	(1) \$	(1)	\$ (0)	15.38%	
107 108	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$	(0) S (1) S	(1) (0)			
109	555.16	RT Spinning Reserve Distribution Amount	\$	(0) \$	-	\$ 0	-100.00%	
110 111	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount		(0) § (43,644) §	(90,647)	\$ 0 \$ (47,003)		
112 113	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount		(14,184)	(10,708)	\$ 3,476	-24.51% -101.96%	
114	555.26	ARR Closeout Yearly Amount	\$	- 9	-	\$ -	0	
115	555.28	RT Demand Reduction Distribution Amount	\$	- 9		\$ -	0	

116	EEE 20	RT Schedule 1A3 Amount	\$		\$	- 4	\$	4	0	RT Schedule 1A3 is a new charge type in 2021
										RT Schedule 1A3 is a new charge type in 2021  RT Schedule 1A4 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$		\$	21		21		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	28		21	308.73%	
119		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	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	-	\$	-		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	S	(1.111)	-58.58%	
140		Total MISO ASM	\$	(7,680)	\$	(8,347)	\$	(667)	8.69%	
141			$\overline{}$							
142		Total Wholesale Market Charges	\$	102,942	\$	(1,547,118)	S	(1.650.060)	-1602.90%	
143			$\overline{}$					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
144										
145	Purcha	sed Power	$\overline{}$							
146			<b>IPRO</b>	TECTED DAT	АВ	EGINS				
147		Edgeley PPA	$\overline{}$		_		_			
148		Langdon PPA	Г						•	
149		Ashtabula III PPA	۲							
150		Tribal (WAPA)	Г							Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Г						•	
152		Shared Loads	٢							
153		Small Co-gen	Г							
154		Bilateral purchases	Г							
155		Market Purchases	Γ							MISO and SPP Energy Only
156								PROTECTE	D DATA ENDSI	
157		Total Purchases	\$	5.808.986	•	6.952.229				Tribal (WAPA) excluded from Total
158		Total Fulchases	_	3,000,000	۳	3,302,223	Ť	., 170,273	15.00 /0	Thou (Training oxeraded from Total
159	Wind C	urtailment	s	31,572	•	46,014	•	14,442	45.74%	
160	••iiiu C		Ť	31,372	۴	-0,014	۳	14,442	45.7470	
161	Accet E	lased Sales	\$	452	\$	916,421	•	915,969	202720 040/	Credit to MN FCA Calculation - Subtracted from Total
162	ASSET E	Fuel Costs	\$	747	\$	757,291		756,544	101303.41%	Orean to win Fox calculation - Subtracted from Total
163		Asset Based Margins	S	(295)	\$	159,130		159,425	-54044.33%	
		ASSEL Dased Iviargins	à	(295)	- 3	159,130	Ψ	109,425	-54044.33%	
164	T-4-1 0	Mark Bland Lavel	_	7 700 701	-	0.400.70.	_	4 407 000	40.000	Tribel (MADA) and ded from Tetal Asset Based Color and track 17.
165	i otal S	ystem - Plant Level	\$	7,783,731	۱ \$	9,190,794	١\$	1,407,062	18.08%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

Cichor 2021   Forecast to Actual - NWh	
Forecast	
Line	
Coyote	ined
Actuals include Hoot Lake #2 and #3 comb	ined
S	
PROTECTED DATA BEGINS	
B	
10	
11	
13	
14	
Total Oil - Peaking Units   PROTECTED DATA BEGINS	
18	
19	
Company	
Total Oil - Peaking Units   -   13	
Natural gas - Solway	
Column	
Total Natural Gas   992   51,669	
Solar - Blue Jay   Solar - Blue Heron  PROTECTED DATA ENDS    31   Total Solar   Total Solar   4	
Solar - Blue Heron	
Total Solar   -   4	
Total OTP-Owned   138,608   205,202	
35	
37   MISO Wholesale Market Charges	
38	
40	
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 Mix Admin 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     55   05   DS DA INA Admin Amount   N/A   N/A     N/A   N/A   N/A     N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A     N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A     N/A	
45	
46         555.26         RT Non-Asset Energy Amount***         N/A         N/A         N/A           47         555.08         DA Losses Rebate on Option B GFA         N/A         N/A         N/A           48         555.12         DA Virtual Energy Amount         N/A         N/A         N/A           49         555.32         RT Virtual Energy Amount         N/A         N/A         N/A           50         155.01         DA Mick Admin Amount         N/A         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         55.01         DA Mit Admin 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	
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 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 N/A	
65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A 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	
71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A	
72   555.42   RT Price Volatility Make Whole Payment   N/A   N/A	
74 555.25 RT Misc Amount N/A N/A	
76 555.31 RT Uninstructed Deviation Amount N/A 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 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 Sche N/A N/A N/A	
88 Total MISO Wholesale Market Charges	
90 SPP Wholesale Market Charges	
92 555.19 DA Asset Energy Amount*** N/A N/A N/A	
93 555.03 DA Non-asset Energy Amount N/A N/A N/A 94 555.09 RT Asset Energy Amount*** N/A N/A N/A	
95 555 RT Non-Asset Energy Amount N/A N/A N/A	
96         555.02         DA Make-Whole-Payment Distribution Amount         N/A         N/A         N/A           97         555.1         RT Make-Whole-Payment Distribution Amount         N/A         N/A         N/A	
98 555.18 RT Revenue Sufficiency Guarantee Distribution Amount N/A 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         N/A           111         555.2         RT Pseudo Tie Congestion Amount         N/A         N/A         N/A	
112 555.21 RT Pseudo Tie Loss Amount N/A N/A N/A	
114 555.26 ARR Closeout Yearly Amount N/A N/A N/A	
115 555.28 RT Demand Reduction Distribution Amount N/A 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		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		TO Schoolie 174-13 a new charge type in 2021
119	555.01	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	333.21	Total SPP Wholesale Market Charges	IN/A	13073		
122		Total SFF Wildlesale Market Charges				
123		MISO ASM				
123		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	N/A N/A		
127		Day Ahead Short-Term Reserve Amount	N/A	N/A		Name de la constant de constan
			N/A N/A	N/A N/A		New charge type in 2021
128		Real Time Short-Term Reserve Amount				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 Amoun	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	Purchas	ed Power				
146			[PROTECTED DAT	A 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				TECTED DATA EN	NDS]	
157		Total Purchases	253,622	160,193		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	1,039	1,391		
160						
161	Asset B	ased Sales	27	17,028		Credit to MN FCA Calculation - Subtracted from Total
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164		<b>"</b>				
165	Total Sv	stem - Plant Level	393.241	349.757		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
	. Jun O		000(2-11	3-101.0.		Julian in the second contracted from Folds

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F			October 2021 For October 2021	October 2021	\$ per MWI	
Line	Plant Gr	eneration	Forecast [PROTECTED DATA	Actual A REGINS		Notes
1		Big Stone				
3		Coyote Hoot Lake #2	-			Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3		PROTECTED DAT	TA ENDS1	
6		Total Coal		\$ 25.85		
7 8		Langdon Wind	IPROTECTED DATA	A BEGINS		
9		Ashtabula Wind Luverne Wind	_			
11		Merricourt	-			
12 13		Total Wind		PROTECTED DAT \$ -	I A ENDS	
14 15		Total Hydro	\$ -	\$ -		
16 17		Jamestown 1	PROTECTED DAT	A BEGINS		
18		Jamestown 2	-	=		
19 20		Lake Preston Fergus Control Center	-	. –		
21 22		Total Oil - Peaking Units		PROTECTED DAT	TA ENDS]	
23			PROTECTED DAT	A BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	i			
26 27		Total Natural Gas	\$ 81.21	PROTECTED DAT \$ 60.58		
28			[PROTECTED DAT.			
29 30		Solar - Blue Jay Solar - Blue Heron				
31 32		Total Solar		PROTECTED DAT	TA ENDS]	
33		Total OTP-Owned	\$ 107.85			
34 35			w 107.85	\$ 86.43		
36 37		ale Market Charges MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41 42	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
43 44		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
45		RT Loss Amount	N/A	N/A		
46 47	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51 52	555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A	-	
60 61	555.35	FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A	N/A		
63 64	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
65 66	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68 69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70 71	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A	N/A		
73 74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77 78	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
79	555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80 81	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82 83	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84	555.06	DA Losses Rebate on COGA	N/A	N/A		
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
87 88		Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
89		Total MISO Wholesale Market Charges				
90 91		SPP Wholesale Market Charges				
92 93	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95 96	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97 98	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100 101	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
107 108	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110 111	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
112 113	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	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	1	<u> </u>

116	EEE 20	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A3 Amount		N/A		RT Schedule 1A4 is a new charge type in 2021
117			N/A N/A	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	N/A N/A		
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121		Total SPP Wholesale Market Charges				
122			l			
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	ļ	
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			l			
144						
145	Purcnas	sed Power	IPROTECTED DATA			
146 147		Edgeley PPA	[PROTECTED DATA	A BEGINS		
148		Langdon PPA	F			
148		Ashtabula III PPA	r			
		Ashtabula III PPA Tribal (WAPA)	r			Not Applicable to EAD. Evoluted from Total
150 151		WAPA Energy Imbalance	r			Not Applicable to EAR - Excluded from Total
151		Shared Loads	r			
152		Shared Loads Small Co-gen	г		<b>-</b>	
			г		<b>-</b>	
154 155		Bilateral purchases Market Purchases	r		l	MISO and SPP Energy Only
		Market Purchases		DDOTEOTED DA	TA ENDOI	MISO and SPP Energy Only
156		T-t-I Dh		PROTECTED DATES 43.40	A ENDS]	Telle I (MADA) and old from Total
157 158		Total Purchases	<b>⊅</b> ∠2.90	a 43.40		Tribal (WAPA) excluded from Total
158	Wind C	urtailment	\$ 30.40	\$ 33.07	<b>-</b>	<del> </del>
160	willa Ct	ii taiiiiieiit	φ 30.40	φ 33.07	-	
161	Accot B	l ased Sales	\$ 16.60	\$ 53.82	-	
101	Asset B	aseu sales	φ 10.60	φ 53.82	-	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A		Based Sales
102		i doi Oosio	IN/A	IV/A	<b>-</b>	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins	N/A	N/A	l	Based Sales
164		Asset Dased Walgills	N/A	N/A	-	Dastu Salts
		1			1	1
165	Total Sv	stem - Plant Level	\$ 19.79	\$ 26.28		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

50.00   FTR Mat Admin Annual	_							
Text	-					Actual - Expense	e (Revenue)	T
Total Control Contro	Line	Plant G	poperation					Notes
	1	T lant O	Big Stone	-	A BEGING			
Total Color	3		Coyote Hoot Lake #2	-				Actuals include Hoot Lake #2 and #3 combined
Total Color			Hoot Lake #3			PROTECTE	D DATA ENDSI	
	6		Total Coal					
10			Langdon Wind	PROTECTED DAT	A BEGINS			
Tear West   1				=				
Total State	11				-	DROTECTE	D DATA ENDEL	
Teal Section	13		Total Wind	\$ -	\$ -			
1			Total Hydro	\$ -	\$ -	\$ -	0	
1.5   American 2   American 2   American 2   American 3			Jamestown 1	[PROTECTED DAT	A BEGINS			
Page   Count Count   Page   Count Count   Page	18		Jamestown 2					
Total Names   Profession   Pr	20			_				
Column   C			Total Oil - Peaking Units	\$ -	\$ 13,520		D DATA ENDS] 0	
Section   Continue	23			PROTECTED DAT	A BEGINS			
Tell Mental Case   1	25			-				
20			Total Natural Gas	\$ 149,202	\$ 2,762,426			
30			Solar - Blue Jay	[PROTECTED DAT	A BEGINS			
Test Sept 2	30			-		PPOTECTE	D DATA ENDO	
Total CITP, Develop   \$ 273,089   \$ A46,115   \$ 1,712,129   \$ 6.975	32		Total Solar	\$ -	\$ -			
Months   White Charges	34		Total OTP-Owned	\$ 2,733,896	\$ <u>4,44</u> 5,115	\$ 1,711,219	62.59%	
17   1800 Windowsk Marker Charges	35	Wholes						
20   100	37		MISO Wholesale Market Charges	e	e	e		Eporary Amounts included/ombedded within Medical Porchassis
60   65   65   Minesant Energy Amount**   1	39	555.04	DA FBT Loss Amount		\$ -	\$ -	0	
St.   155,00   10   10   10   10   10   10   10		555.09	DA Non-asset Energy Amount***					
44   10   A Loss Annotest	42	555.24	RT Distribution of Losses Amount	\$ (153,013)	\$ (277,736)	\$ (124,723)		
65.50   El Pan-Annoes Entern Amount	44	JJJJ.Z I	DA Loss Amount	\$ 416,122	\$ 1,006,629	\$ 590,508		
25   25   25   25   25   25   25   25	46	555.26	RT Non-Asset Energy Amount***		\$ -	\$ -	222.31%	
49.5   Section				\$ - \$ -			0	
55.1 B   17 Mile Allania Angount   5 B   9,070   8   6,927   5   1,140	49	555.32	RT Virtual Energy Amount	\$ -	\$ -	\$ -		
SS-03   DA FET Compestion Amount	51	555.18	RT Mkt Admin Amount	\$ 9,070	\$ 8,931	\$ (140)	-1.54%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50   December   Section							0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
60   September   File North Abdress Annual   September   Septemb	54		DA Congestion					
555   555   FITR Martifix National Amount	56		RT Congestion	\$ (10,263)	\$ 107,161	\$ 117,424	-1144.10%	'I
60   555.55   FIR Monthly Transaction Amount   \$   (1,00)   \$   \$   \$   \$   \$   \$   \$   \$   \$	58	555.15	FTR Monthly Allocation Amount	\$ (16,546)	\$ (16,985)	\$ (439)	2.65%	
61   555.38   FTR Full Funding Guarantee Amount								
65.55.50   FTR Autoin Reviews Rights Transaction Amount   \$   227,873   \$   1,533,000   \$   10,505   \$   10,000   \$   10	61	555.36	FTR Full Funding Guarantee Amount	\$ (1,760)	\$ (274,409)	\$ (272,649)	15490.74%	
65   555.40   FTR Auction Revenue Rights Blangs   20 Einharbsinon Amount   \$   2,269   \$   3,8779   \$   69,3779	63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (247,873)	\$ (1,523,082)	\$ (1,275,209)	514.46%	
Feb.   Section   Compassion Relation on Option B GFA   S	65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 9,766	\$ 18,657	\$ 8,890	91.03%	
69								
To	68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount					
72   555.42   RT Price Volatility Males (Whole Payment   \$   (2.497)   \$   (4.5).28   \$   (30.630)   245.69%	70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 22,089	\$ 49,593	\$ 27,504	124.52%	
Tell	72	555.42	RT Price Volatility Make Whole Payment		\$ (43,128)	\$ (30,630)	245.09%	
To		555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount					
Total MISO Wholesale Market Charges   September   Se	75	555.27	RT Net Inadvertent Amount					
79	77	555.59	RT Demand Response Allocation Uplift Amount					
80	79	555.64	RT Ramp Product	\$ (2)	\$ (846)	\$ (844)	51636.39%	
Section   Sect		555.65	RT Schedule 49 Cost Distribution Amount				-67.21%	
Section   Sect	82	555.56	RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
Ref	84	555.06	DA Losses Rebate on COGA	\$ -	\$ -	\$ -	0	
Ref	86		RT Loss Rebate on COGA	\$ -	\$ -	\$ -		
SP Wholesale Market Charges   SP SS-519   DA Asset Energy Amount***   SP SS-519   DA Asset Energy Amount**   SP SS-519   DA Mon-asset Energy Amount   SP SS-519   SP SS-519   DA Mon-asset Energy Amount   SP SS-519	87						0	
SPP Wholesale Market Charges	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)
93   555.09   RT Asset Energy Amount   \$ - \$ - \$ - \$ - \$   Care	91					_		
94	93	555.19 555.03	DA Non-asset Energy Amount  DA Non-asset Energy Amount		\$ -	\$ -	0	
96	94	555.09	RT Asset Energy Amount***	\$ -	\$ -	\$ -		
98         555.18 R T Revenue Sutfliciency Guarantee Distribution Amount         \$ - \$ (1) \$ (4) \$ (40) \$ 400         \$ 400         \$ 4181.73%           100         555.16 T R T Revenue Neutrality Uplift Distribution Amount         \$ 10 \$ 400         \$ 400         \$ 1181.73%           100         555.05 D A Regulation-Down Distribution Amount         \$ 9 \$ 81 \$ 72         801.12%           101         555.05 D A Regulation-Up Distribution Amount         \$ 13 \$ 214 \$ 201         1560.70%           102         555.06 D A Spinning Reserve Distribution Amount         \$ 14 \$ 390 \$ 376         2666.32%           103         555.07 D A Supplemental Reserve Distribution Amount         \$ 2 \$ 51 \$ 49 2795.55%           104         555.08 R T Contingency Reserve Deployment Failure Amount         \$ (9) \$ (4) \$ (4) \$ 61.32%           105         555.11 R T Regulation-Dwo Distribution Amount         \$ (9,993) \$ (10,884) \$ (6,891) 68.97%           106         555.12 R T Regulation-Dwo Distribution Amount         \$ (1) \$ 4 \$ 5 5.935.03%           107         555.13 R T Regulation-Dwo Distribution Amount         \$ (1) \$ 4 \$ 5 5.935.03%           108         555.14 R T Regulation-Dwo Distribution Amount         \$ (1) \$ 2 \$ 5 5.12 \$ (27) 4476.86%           109         555.16 R T Spinning Reserve Distribution Amount         \$ (1) \$ 22 \$ 5 5.2 \$ (27) 4476.86%           109         555.16 R T Spinning Reserve Distribution	96	555.02	DA Make-Whole-Payment Distribution Amount	\$ -	\$ -	\$ -	0	
100	98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ (1)	\$ (1)	0	
101   555.05   DA Regulation-Up Distribution Amount   \$ 13   \$ 214   \$ 201   1560.70%								
103   555.07   DA Supplemental Reserve Distribution Amount   \$ 2   \$ 51   \$ 49   2795.55%	101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 214	\$ 201	1560.70%	
105	103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 51	\$ 49	2795.55%	
106	105	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,993)	\$ (16,884)	\$ (6,891)	68.97%	
108         555.14         RT Regulation-Up Distribution Amount         \$ (1)         \$ (28)         \$ (27)         4476.86%           109         555.16         RT Spinning Reserve Distribution Amount         \$ (0)         \$ (30)         \$ 452750.00%           110         555.17         RT Supplemental Reserve Distribution Amount         \$ (0)         \$ 1         \$ 1         -18007.69%           111         555.20         RT Pseudo Tie Concestion 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%		555.12 555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount					
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%	108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (28)	\$ (27)	4476.86%	
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%	110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 1	\$ 1	-18007.69%	
113 555.23 Miscellaneous Amount \$ (9) \$ 1 \$ 10 -106.53%								
114 555.26 ARR Closeout Yearly Amount \$ - \$ - \$ - 0	113	555.23	Miscellaneous Amount	\$ (9)	\$ 1	\$ 10	-106.53%	
114   353_26   PRNC useeds   Fearly shrioun   3 - 3 - 3 - 0		555.28	RT Demand Reduction Distribution Amount					

116	EEE 20	RT Schedule 1A3 Amount	S	-	\$	26	¢	26	0	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$	-	\$	133		133		
117		DA GFA Carve Out Distribution Deployment Daily Amount		7	\$	133				RT Schedule 1A4 is a new charge type in 2021
118	555.01 555.22	DA GFA Carve Out Distribution Deployment Daily Amount  DA GFA Carve Out Distribution Deployment Monthly Amount	\$	- '	S	118		111	1646.76%	
					S		\$	-	0	
120	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-						
121		Total SPP Wholesale Market Charges	\$	(77,230)	\$	(139,603)	\$	(62,372)	80.76%	
122										
123		MISO ASM		(0= =00)		(00.4)		01.000	00.000	
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	\$	-	\$	-	\$	-		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$		\$			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%	ļ
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	\$	-	\$	-	\$	-		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	Purchas	sed Power								
146			[PRO	TECTED DAT	A BE	EGINS				
147		Edgeley PPA								
148		Langdon PPA	L							
149		Ashtabula III PPA	E							
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	L							
152		Shared Loads	L							
153		Small Co-gen	L							
154		Bilateral purchases	E .							
155		Market Purchases			_					MISO and SPP Energy Only
156								PROTECTE	D DATA ENDS]	
157		Total Purchases	\$	6,571,163	\$	12,057,108	\$	5,485,945	83.49%	Tribal (WAPA) excluded from Total
158										
159	Wind Cu	urtailment	\$	387	\$	89,424	\$	89,037	23000.13%	
160						,				
161	Asset B	ased Sales	\$	2.153	s	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										

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

ļ				Forecast to Actua	al - M\	Wh T
			November 2021 Forecast	November 2021 Actual		Notes
Line		eneration	[PROTECTED DAT	A BEGINS		
2		Big Stone Coyote	-			
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3	PR0	TECTED DATA E	NDS1	
6 7		Total Coal	117,949 [PROTECTED DA	91,243		
8		Langdon Wind	[PROTECTED DA	IA BEGINS		
9		Ashtabula Wind Luverne Wind	=	-		
11		Merricourt				
12 13		Total Wind	PR0 54,609	OTECTED DATA E 89,348	NDS]	
14						
15 16		Total Hydro	1,644 [PROTECTED DA	164 TA BEGINS		
17 18		Jamestown 1	_	'		
19		Jamestown 2 Lake Preston	_			
20		Fergus Control Center	PR0	TECTED DATA E	NDS1	
22		Total Oil - Peaking Units		-		
23 24		Natural gas - Solway	[PROTECTED DA	IA BEGINS		
25 26		Natural gas - Astoria	DD/	TECTED DATA E	NDS1	
27		Total Natural Gas	3,720	48,747	NDSj	
28 29		Solar - Blue Jay	[PROTECTED DA	TA BEGINS		
30		Solar - Blue Heron				
31 32		Total Solar	PR0	TECTED DATA E	NDS]	
33			4== 60-			
34 35		Total OTP-Owned	177,922	229,504	E	
36		ile Market Charges MISO Wholesale Market Charges				
37 38	555.02	DA Asset Energy Amount***	N/A	N/A		
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	H	
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42 43		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	-	
44		DA Loss Amount	N/A	N/A		
45 46		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A	L	
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48 49	555.32	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50 51	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A	H	
52	555.13	FTR Mkt Admin Amount	N/A	N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A	1	
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59 60	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61		FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
62 63	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68		DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A	N/A		
73 74		RT Misc Amount	N/A N/A	N/A N/A		
75 76	555.27 555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78 79	555.63 555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82	555.55 555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A	$\vdash$	
83	555.05	DA Congestion Rebate on COGA	N/A	N/A		
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A	E	
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
88			IN/A	IN/A		
89 90		Total MISO Wholesale Market Charges		<del> </del>		
91		SPP Wholesale Market Charges	_			
92 93		DA Asset Energy Amount***  DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95 96	555 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	L	
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98 99	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100 101	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A	H	
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A	E	
103 104	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106 107	555.12 555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109 110	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	-	
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112 113	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
114 115	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
115	JJJ.20	Johana reduction distribution Amount	IN/A	IN/A		

116	555.29 F	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		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		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121		Total SPP Wholesale Market Charges				
122		Total of F Thiologalo market oflargeo				
123		MISO ASM				
124		Day Ahead Regulation Amount	N/A	N/A		
125		Real Time Regulation Amount	N/A	N/A		
126	Ė	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	r	Day Ahead Spinning Reserve Amount	N/A	N/A		INEW Charge type in 2021
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
			N/A	N/A		New charge type in 2021
139 140		Net Regulation Adjustment Amount Total MISO ASM	N/A	N/A		
141		TOTAL MISO ASM				
141		Total Wholesale Market Charges				
142		l otal wholesale market charges				
143						
145	Purchase	nd Daway				
146	Purchase	eu Fower	IPROTECTED DAT	A DECINE		
147	-	Edgeley PPA	[PROTECTED DAT	A DEGINS		
148		Langdon PPA	_			
149		Ashtabula III PPA	-			
150		Tribal (WAPA)	-		_	Not Applicable to EAD. Evoluded from Total
151		WAPA Energy Imbalance	-			Not Applicable to EAR - Excluded from Total
152		Shared Loads	-			
152		Small Co-gen	-		_	
			_			
154		Bilateral purchases	_			MISO and SPP Energy Only
155		Market Purchases		TEOTED DAT: =:	IDOI	MISO and SPP Energy Uniy
156				TECTED DATA EN	נפטוי	T
157		Total Purchases	279,624	249,508		Tribal (WAPA) excluded from Total
158						
159	Wind Cur	rtailment	13	2,702		
160						
161	Asset Ba	sed Sales	59	14,325		Credit to MN FCA Calculation - Subtracted from Total
		- 10 .				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
	J					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163	F	Asset Based Margins				Based Sales
164						
165	Total Svs	tem - Plant Level	457,500	467,389	l	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

-						
}			November 2021 For November 2021		- \$ per MV	/n
Usa	Di O	and the second s	Forecast [PROTECTED DATA	Actual		Notes
Line 1		eneration Big Stone	PROTECTED DATA	A BEGINS		
3		Coyote Hoot Lake #2	_			Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3		PROTECTED DAT	TA ENDS1	
6		Total Coal	\$ 21.91	\$ 18.29		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind Luverne Wind	Į.	-		
11		Merricourt Care Vind		-		
12 13		Total Wind		PROTECTED DAT	A ENDS]	
14 15		Total Hydro		¢		
16		•	PROTECTED DAT	A BEGINS		
17 18		Jamestown 1 Jamestown 2	-			
19 20		Lake Preston Fergus Control Center	ļ.			
21				PROTECTED DAT	A ENDS]	
22 23		Total Oil - Peaking Units	PROTECTED DATA	\$ - A BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	-			
26				PROTECTED DAT	A ENDS]	
27 28		Total Natural Gas	\$ 40.11 [PROTECTED DAT.			
29 30	-	Solar - Blue Jay Solar - Blue Heron	+			
31				PROTECTED DAT	A ENDS]	
32 33		Total Solar		\$ -		
34 35	-	Total OTP-Owned	\$ 62.02	\$ 74.96		
36		ale Market Charges				
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
39 40	555.04	DA FBT Loss Amount  DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A	N/A		
43		RT FBT Loss Amount	N/A N/A	N/A N/A		
44 45		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
46		RT Non-Asset Energy Amount***	N/A	N/A		
47 48	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
49 50		RT Virtual Energy Amount  DA Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.18	RT Mkt Admin Amount	N/A	N/A		
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
61 62	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65	555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
66 67	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69 70	555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
71 72	555.3 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
74 75		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		
76 77		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78 79	555.63	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
83 84	555.05	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		
88 89	-	Total MISO Wholesale Market Charges				
90		•				
91 92		SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
95	555	RT Non-Asset Energy Amount	N/A	N/A		
96 97	555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98 99	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101 102	555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
103 104	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106 107	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
108 109	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A	<b> </b>	
112						
112 113 114	555.23	Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		

116 117 118						
		RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
118		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
	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	Purchas	ed Power				
146			IPROTECTED DATA	A 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	7	•		
155		Market Purchases	-			MISO and SPP Energy Only
156				PROTECTED DAT	A ENDS1	
157		Total Purchases			,	Tribal (WAPA) excluded from Total
158		Total Full along out				, , , , , , , , , , , , , , , , , , , ,
159	Wind Cu	ırtailment	\$ 30.40	\$ 33.09		
160		* *				
161	Asset B	ased Sales	\$ 36.36	\$ 45.54		
	. 10001 D		- 55.50	5.04		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
		Fuel Costs	N/A	N/A		Based Sales
			IVA	IVA		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162				I	1	
162		Accet Reced Margine	N/A	N/A		Raced Sales
162 163		Asset Based Margins	N/A	N/A		Based Sales
162	Total Sv	Asset Based Margins stem - Plant Level	N/A \$ 20.62			Based Sales Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

_							
F			December December 2021	2021 Forecast to December 2021	Actual - Expens	e (Revenue)	
Dec	DI4 C	an area to a	Forecast	Actual			Notes
Line 1		eneration Big Stone	[PROTECTED DAT	A BEGINS		<u> </u>	
3		Coyote Hoot Lake #2	-				Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3	-		DROTECTE	D DATA ENDSI	
6		Total Coal	\$ 3,675,322		\$ 446,717		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS			
9		Ashtabula Wind Luverne Wind					
11		Merricourt	-				
12		Total Wind	\$ -	\$ -	PROTECTE	D DATA ENDS] 0	
14 15		Total Hydro	\$ -	S -	\$ -	0	
16			[PROTECTED DAT		•		
17 18		Jamestown 1 Jamestown 2	-				
19		Lake Preston Fergus Control Center	-			i	
21 22		Total Oil - Peaking Units	\$ -	s -	PROTECTE	D DATA ENDS]	
23			[PROTECTED DAT		•	ľ	
24 25		Natural gas - Solway Natural gas - Astoria	_				
26 27		Total Natural Gas	\$ 577,799	\$ 1,527,323	PROTECTE \$ 949,524	D DATA ENDS] 164.33%	
28 29			[PROTECTED DAT		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
30		Solar - Blue Jay Solar - Blue Heron					
31 32		Total Solar	\$ -	\$ -	PROTECTE	D DATA ENDS] 0	
33 34		Total OTP-Owned		\$ 5.649.362	\$ 1,396,241	32.83%	
35	1A/la - 1 -		,200,121	- 5,045,032	,550,241	JZ.0376	
36 37		ile Market Charges MISO Wholesale Market Charges					
38 39	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41	555.24	RT Distribution of Losses Amount	\$ - \$ (172,522)	\$ - \$ (417,653)	\$ - \$ (245,131)	142.09%	Linergy Announts - included/embedded within Market Purchases
43 44		RT FBT Loss Amount DA Loss Amount	\$ 469,175		\$ - \$ 354,337	75.52%	
45 46		RT Loss Amount RT Non-Asset Energy Amount***	\$ 13,645 \$ -			1475.14%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0	
48 49	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -	\$ -	\$ -	0	
50 51	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	\$ 74,562 \$ 8,721				Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13	FTR Mkt Admin Amount	\$ 1,809	\$ 2,231	\$ 422	23.34%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54		DA FBT Congestion Amount DA Congestion	\$ 226,074		\$ - \$ 5,092,737	2252.69%	
55 56		RT FBT Congestion Amount RT Congestion	\$ - \$ (11,572)	\$ - \$ 789,432	\$ 801,004	-6921.88%	
57 58	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount		\$ (10,387,076)	\$ (10,058,494)	3061.18% 875.27%	
59	555.17	FTR Yearly Allocation Amount	\$ (1,332)	\$ -	\$ 1,332	-100.00%	
60 61	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (9,035) \$ (18,498)		\$ 9,035 \$ (161,757)	-100.00% 874.45%	
62 63		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 19,122 \$ (183,251)		\$ 192,188 \$ (1,299,756)	1005.07% 709.28%	
64 65	555.38	FTR Annual Transaction Amount	\$ 183,138 \$ 4,485			708.23% 64.46%	
66	555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (30,279)	\$ (66,453)	\$ (36,174)	119.47%	
67 68	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 15,226	\$ - \$ 14,137	\$ (1,089)	-7.15%	
69 70		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (2,608) \$ 22,089			154.80% 12.76%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (19,681)	\$ -	\$ 19,681	-100.00%	
72 73	555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (12,497) \$ 42,457	\$ (43,528) \$ 167,062		248.29% 293.49%	
74 75	555.25	RT Misc Amount RT Net Inadvertent Amount	\$ 18,176 \$ 1,235	\$ 975 \$ (9,711)		-94.64% -886.33%	
76 77	555.31	RT Uninstructed Deviation Amount	\$ - \$ -	\$ - \$ 48,126	\$ -	0	
78	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ (484)	\$ (6,554)	\$ (6,070)	1252.83%	
79 80	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (36) \$ 15,692	\$ 7,160		2758.04% -54.37%	
81 82	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ - \$ -	\$ - \$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
84 85	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0	
86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu		\$ - \$ 226,541	\$ - \$ 226,541	0	
88 89		Total MISO Wholesale Market Charges	\$ 221 402	\$ (3,449,379)		-1657 40%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90			¥ £21,403	ψ (J,443,313)	Ψ (J,U/U,002)	-1007.40%	Total Englaces deficient to and 17 (LINES 40, 41, 42 ADDVC)
91 92	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***		\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0	
96 97	555.10	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$ 101	\$ (2,038)		-2119.70%	
98 99		RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$ - \$ 10	\$ 1 \$ (250)		-2714.25%	
100	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount		\$ (60)	\$ (69)	-773.32% -1500.71%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 14	\$ (335)	\$ (350)	-2482.18%	
103 104	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ (48) \$ 4	\$ 4	-2832.65% -961.32%	
105 106	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (11,267) \$ (1)	\$ (18,014) \$ (5)		59.89% 824.84%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 14	\$ 15	-6890.59%	
108	555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (0)	\$ 6 \$ 17	\$ 17	-249850.00%	
110 111	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (57,338)			-57884.62% -348.18%	
112	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (18,634)		\$ 39,221 \$ 9	-210.48% -100.00%	
114	555.26	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ (0)	\$ (0)	0	L

440	555.00	DT O-bb-l- 440 A	s		•	(04)		(04)		DT 0-11-1- 440 la
116		RT Schedule 1A3 Amount		-	\$	(21)		(21)		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$		\$	(108)		(108)		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	7	\$	(109)		(116)	-1714.25%	
119		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)		New charge type in 2021
128		Real Time Short-Term Reserve Amount	\$	-	\$	3,965		3,965		New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	\$	-	\$	8,858		8,858		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	Purchas	ed Power								
146			[PRO]	TECTED DAT	A BI	EGINS				
147		Edgeley PPA								
148		Langdon PPA								
149		Ashtabula III PPA								
150		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
151		WAPA Energy Imbalance	Γ							
152		Shared Loads	Γ							
153		Small Co-gen	Г							
154		Bilateral purchases	Γ							
155		Market Purchases	_							MISO and SPP Energy Only
156							Р	ROTECTE	D DATA ENDS	
157		Total Purchases	\$	6,826,089	\$	10,979,154	\$ 4	4,153,065	60.84%	Tribal (WAPA) excluded from Total
158				//				,		
159	Wind Cu	ırtailment	\$	(2,253)	\$	29,747	\$	32,000	-1420.38%	
160						- 1		/		
161	Asset B	ased 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		· · · · · · · · · · · · · · · · · · ·		1	Ť	,	•	,		
165		stem - Plant Level	•	40 555 000		12.053.906		1.497.977	44 409/	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

Part							
Part     Part     Part     Part     Part     Part     Part   Pa	[					al - MV	Wh
April   Apri						Ī	Notes
Company   Comp	Line	Plant Ge		[PROTECTED DAT	A BEGINS		Notes
Total Color	1 2			=			
	3		Hoot Lake #2				
Tour Code			Hoot Lake #3	PR0	TECTED DATA E	NDS1	
	6		Total Coal	161,101	142,692		
According to   Acco	8		Langdon Wind	[PROTECTED DA	IA BEGINS		
New York   New York			Ashtabula Wind				
Total Vision   Tota							
Total Name   Tot	12		Total Wind			NDS]	
PROTECTED DATA GOING.	14						
			Total Hydro	1,699 [PROTECTED DA	Z71 TA BEGINS		
Pergui Control Centre			Lake Preston	-	-		
Total City - Publisher   Total Charges   Total City - Publisher   Total Natural City   Total City   Total City   Total City   Total City   Total City   To			Fergus Control Center	DD/	TECTED DATA E	ND61	
	22		Total Oil - Peaking Units		-	ND3j	
PROTECTIO DATA BENEFIT   1987   1988   1988   1989   198				[PROTECTED DA	TA BEGINS		
Total Nature Good   Tota	25			-			
PROTECTED DATA BOOKs			Total Natural Gas			NDS]	
Soc. Plan Farm	28						
Total Side				-			
Total OTF-Conee  Market Charges	31			PRO		NDS]	
Total OTF-Denies   284-57	33				_	E	
18	34		Total OTP-Owned	246,479	267,796		
10	36						
30   SSS-0.4   Del Fill Loss Amount		555 02	MISO Wholesale Market Charges  DA Asset Energy Amount***	N/A	N/A	H	
1.	39	555.04	DA FBT Loss Amount	N/A	N/A		
20   505-24   TP CET Loss Annotes   NA   NA   NA   NA   NA   NA   NA   N						<del>                                     </del>	<del> </del>
Mail	42	555.24	RT Distribution of Losses Amount	N/A	N/A		
15   15   15   15   15   15   15   15	44		DA Loss Amount	N/A	N/A	L	<u> </u>
97 950.00 [OA Lessen Relative on Cyton B EPST A NA N	45		RT Loss Amount	N/A	N/A		
585.12   DA Vintal Energy Amount	47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
50   555.01   DA Mit Affain Amount							
155.13   FIR. Mat Admin Amount	50	555.01	DA Mkt Admin Amount	N/A	N/A		
55.53   DATEST Congestion Amount							
555   September   September	53	555.03	DA FBT Congestion Amount	N/A	N/A		
RT Corposes   NA							
58.15   FIR Merithy Allocation Amount	56		RT Congestion		N/A		
565.35   FIR Monthly Transaction Amount							
S55.36   FIT Full Funding Guarantee Amount		555.17	FTR Yearly Allocation Amount				
		555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
555.35   FTR Arrival Transaction Amount   NA   N/A		555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount				
66         555.41 FTR Auction Revenue Rights Slage 2 Distribution Amount         N/A         N/A           67         755.07 Dis Competitor Relation of Distribution Amount         N/A         N/A           68         555.1 Dis Revenue Sufficiency Guarantee Distribution Amount         N/A         N/A           69         555.1 Dis Revenue Sufficiency Guarantee Make Whole Pyrin Amount         N/A         N/A           71         555.2 Silver Revenue Sufficiency Guarantee Make Whole Pyrin Amount         N/A         N/A           71         555.2 Silver Revenue Sufficiency Guarantee Make Whole Pyrin Amount         N/A         N/A           71         555.2 Silver Revenue Neutrality Uplind Amount         N/A         N/A           73         555.2 R T Revenue Neutrality Uplind Amount         N/A         N/A           74         555.2 R RT Neet Inadvertert Amount         N/A         N/A           75         555.3 R T Secreture Product         N/A         N/A           76         555.2 R RT Neet Inadvertert Amount         N/A         N/A           77         555.3 R RT Secreture Perduct         N/A         N/A           78         555.5 S R RT Schedule 40 Cost Distribution Amount         N/A         N/A           79         555.6 S RT Schedule 40 Cost Distribution Amount         N/A         N/A	64	555.38	FTR Annual Transaction Amount	N/A	N/A		
67   555.07   DA Congestion Rebates on Option B GFA   NA   NA   NA   68   555.1   DA Revenue Sufficiency Guarranee Make Whole Pymr Amount   NA   NA   NA   70   555.2   RT Revenue Sufficiency Guarranee Make Whole Pymr Amount   NA   NA   NA   71   555.2   RT Revenue Sufficiency Guarranee Make Whole Pymr Amount   NA   NA   NA   72   555.2   RT Piece Valatility Make Whole Pymrent   NA   NA   NA   73   555.2   RT Piece Valatility Make Whole Pymrent   NA   NA   NA   74   555.2   RT Piece Valatility Make Whole Pymrent   NA   NA   NA   75   555.27   RT Me Inabertant Amount   NA   NA   NA   76   555.31   RT Unistructed Deviation Amount   NA   NA   NA   77   555.58   RT Make Amount   NA   NA   NA   78   555.25   RT Make Care Care Care Care Care Care Care Car		555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount				
555.11   DA Rovenue Sufficiency Quarantee Make Whole Pymt Amount   NA   NA   NA		555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
		555.11	DA Revenue Sufficiency Guarantee Distribution Amount  DA Revenue Sufficiency Guarantee Make Whole Pymt Amount				
72   555.42   RT Price Volatility Make Whole Payment   N/A   N/A	70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount				
174   595.25   RT Misc Amount		555.42	RT Price Volatility Make Whole Payment				
175   555.27   RT Net Inadvertent Amount							
77	75	555.27	RT Net Inadvertent Amount	N/A	N/A		
78		555.59	RT Demand Response Allocation Uplift Amount			<del>                                     </del>	<del> </del>
80	78	555.63	DA Ramp Product	N/A	N/A		
S55.55   RT ASM Non-Excessive Energy Amount***		555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A	L	<u> </u>
SS   SS   SS   DA Congestion Rebate on COGA	81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
84		555.05	DA Congestion Rebate on COGA	N/A	N/A		
ST   St.	84						
		555.23	RT Loss Rebate on COGA	N/A	N/A		
SP Wholesale Market Charges   SP Wholesale Market			Net Congestion and Losses Adjustment & No DA Generation Sche	N/A	N/A	_	
SPP Wholesale Market Charges   N/A N/A N/A     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   595.1   RT Make-Whole-Payment Distribution Amount   N/A N/A     98   555.1   RT Make-Whole-Payment Distribution Amount   N/A N/A     98   555.15   RT Revenue Neutrialty Uplift Distribution Amount   N/A N/A     99   555.15   RT Revenue Neutrialty Uplift Distribution Amount   N/A N/A     100   555.04   DA Regulation-Down Distribution Amount   N/A N/A     101   555.05   DA Regulation-Down Distribution Amount   N/A N/A     102   555.06   DA Spinning Reserve Distribution Amount   N/A N/A     104   555.07   DA Suplemental Reserve Distribution Amount   N/A N/A     104   555.07   DA Suplemental Reserve Distribution Amount   N/A N/A     105   555.11   RT Over-Collected Losses Distribution Amount   N/A N/A     106   555.11   RT Over-Collected Losses Distribution Amount   N/A N/A     107   585.13   RT Regulation-Down Distribution Amount   N/A N/A     108   555.14   RT Regulation-Down Distribution Amount   N/A N/A     108   555.14   RT Regulation-Down Distribution Amount   N/A N/A     109   355.16   RT Spinning Reserve Delpinnent Reserve Distribution Amount   N/A N/A     109   355.17   RT Sugnition-Up Distribution Amount   N/A N/A     109   355.17   RT Sugnition-Up Distribution Amount   N/A N/A     101   555.27   RT Regulation-Up Distribution Amount   N/A N/A     101   555.28   RT Pseudo Tie Congestion Amount   N/A N/A     101   555.28   RT Pseudo Tie Congestion Amount   N/A N/A     103   555.28   RT Pseudo Tie Congestion Amount   N/A N/A     104   555.28   RT Pseudo Tie Congestion Amount   N/A N/A     107   555.28   RT Pseudo Tie Congestion Amount   N/A N/A     108   355.29   RT Pseudo Tie Congestion Amount   N/A N/A     109   355.20   RT Pseudo Tie Congestion Amount   N/A N/A     110   555.28	89		Total MISO 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   555.09   RT Non-Asset Energy Amount***   N/A   N/A     96   555.02   DA Make-Whole-Payment Distribution Amount   N/A   N/A     97   555.11   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 Sufficiency Guarantee Distribution Amount   N/A   N/A     99   555.15   RT Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     101   555.05   DA Regulation-Dwon Distribution Amount   N/A   N/A     101   555.05   DA Regulation-Dwo Distribution Amount   N/A   N/A     102   555.06   DA Regulation-Dwo Distribution Amount   N/A   N/A     103   355.07   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 Non-Performance Distribution Amount   N/A   N/A     107   555.13   RT Regulation Non-Performance Distribution Amount   N/A   N/A     108   555.17   RT Regulation Non-Performance Distribution Amount   N/A   N/A     109   555.17   RT Regulation Non-Performance Distribution Amount   N/A   N/A     110   555.17   RT Regulation Non-Performance Distribution Amount   N/A   N/A     111   555.22   RT Pseudo Tie Congestion Amount   N/A   N/A     112   555.23   RT Pseudo Tie Congestion Amount   N/A   N/A     113   555.23   RT Pseudo Tie Congestion Amount   N/A   N/A     114   555.26   RT Pseudo Tie Congestion Amount   N/A   N/A     115   555.26   RT Pseudo Tie Congestion Amount   N/A   N/A     116   555.23   RT Pseudo Tie Congestion Amount   N/A   N/A     117   555.23   RT Pseudo Tie Congestion Amount   N/A   N/A     118   555.26   RT Pseudo Tie Congestion Amount   N/A   N/A     119   555.28   RT Pseudo Tie Congestion Amount   N/A   N/A     110   555.2			SPP Wholesale Market Charges		+	-	
94   555.09   RT Asset Energy Amount***   95   555   RT Non-Asset Energy Amount**   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 Sufficiency Guarantee Distribution Amount   N/A   N/A     101   555.05   DA Regulation-Dwon Distribution Amount   N/A   N/A     101   555.05   DA Regulation-Dwon Distribution Amount   N/A   N/A     102   555.06   DA Signiang 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-Dwon Distribution Amount   N/A   N/A     107   555.13   RT Regulation Non-Performance Distribution Amount   N/A   N/A     108   555.14   RT Regulation Non-Performance Distribution Amount   N/A   N/A     109   555.17   RT Regulation Non-Performance Distribution Amount   N/A   N/A     110   555.27   RT Supplemental Reserve Distribution Amount   N/A   N/A     111   555.23   RT Regulation-Loss Distribution Amount   N/A   N/A     113   555.23   RT Paseudo Tie Congestion Amount   N/A   N/A     114   555.26   RT Spendo Tie Congestion Amount   N/A   N/A     115   555.26   RT Spendo Tie Congestion Amount   N/A   N/A     116   555.27   RT Paseudo Tie Congestion Amount   N/A   N/A     117   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     118   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     119   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     110   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     111   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     113   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     115   555.28   RT Paseudo Tie Congestion Amount   N/A   N/A     116   555.28   RT Paseudo Tie Congestion Amount	92	555.19	DA Asset Energy Amount***				
95							
97   555.1 R T Make-Whole-Payment Distribution Amount   N/A   N/A     98   555.1 R T Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     99   555.15 R T Revenue Sufficiency Guarantee Distribution Amount   N/A   N/A     100   555.05 N D A Supulation-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 Supulation-Down 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 Non-Performance Distribution Amount   N/A   N/A     109   555.16 RT Regulation-Up Distribution Amount   N/A   N/A     110   555.17 RT Spinning 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 Congestion Amount   N/A   N/A     113   555.23 Miscellaneous Amount   N/A   N/A     114   555.26 RT Pseudo Tie Congestion Amount   N/A   N/A     115   555.26 RT Pseudo Tie Congestion Amount   N/A   N/A     116   117	95	555	RT Non-Asset Energy Amount				
98         555.18         RT Revenue Sufficiency Guarantee Distribution Amount         N/A         N/A <t< td=""><td>97</td><td>555.1</td><td>RT Make-Whole-Payment Distribution Amount</td><td>N/A</td><td>N/A</td><td></td><td></td></t<>	97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
100							
102	100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
103						<del>                                     </del>	
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-Up 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 Loss Amount         N/A         N/A           112         555.23         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	103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
106		555.11	RT Over-Collected Losses Distribution Amount			L	
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	106	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
110   555.17   RT Supplemental Reserve Distribution Amount   N/A   N/A	108	555.14	RT Regulation-Up 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	109	555.16	RT Spinning Reserve Distribution Amount				
113         555.23         Miscellaneous Amount         N/A         N/A           114         555.26         ARR Closeout Yearly Amount         N/A         N/A	111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
114 555.26 ARR Closeout Yearly Amount N/A N/A N/A							
113   333_20 IX1 Demand Reduction Distribution Amount   N/A   N/A	114	555.26	ARR Closeout Yearly Amount	N/A	N/A		
	115	555.28	K1 Demand Reduction Distribution Amount	N/A	N/A	<u> </u>	L

116	555 29	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		INT Octiculie 1744 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
121	555.27	Total SPP Wholesale Market Charges	IN/A	IN/A		
121		Total SPP Wholesale Market Charges				
		MISO ASM				
123				11/4		
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 Amoun	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		Trow sharge type in ESE1
140		Total MISO ASM	19/75	1873		
141		Total miles Adm				
142		Total Wholesale Market Charges				
143		Total Wilolesale Market Charges				
144						
145	Durches	sed Power				
146	Purchas	eu Fower	IPROTECTED DAT	A DECINO		
146		Edgeley PPA	[PROTECTED DAT	A BEGINS		
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				TECTED DATA EI	NDS]	
157		Total Purchases	279,183	300,527		Tribal (WAPA) excluded from Total
158						
159	Wind Cu	urtailment	(74)	989		
160						
161	Asset B	ased Sales	9,611	29,125		Credit to MN FCA Calculation - Subtracted from Total
			.,,	.,		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs				Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins				Based Sales
164		7 10001 Dadou margino				2000 0000
165	Total Sv	stem - Plant Level	515.976	540.187		Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	i Otal Sy	Stelli - I lalit Level	313,370	340,107		Tribai (WALA) excluded from Total, Asset Dased Sales Subtracted from Total

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 			December 2021 For December 2021			m 
Line	Diam's C	eneration	Forecast [PROTECTED DATA	Actual	<u> </u>	Notes
1		Big Stone	PROTECTED DATA	A BEGINS		
3		Coyote Hoot Lake #2	_			Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3	-	PROTECTED DAT	TA ENDO	
6		Total Coal	\$ 22.81	\$ 28.89		
7 8	$\longrightarrow$	Langdon Wind	[PROTECTED DAT	A BEGINS	<del> </del>	
9		Ashtabula Wind Luverne Wind	_	_		
11		Merricourt	-	-		
12 13		Total Wind		PROTECTED DAT	A ENDS]	
14 15		Total Hydro		¢		
16			PROTECTED DAT	A BEGINS		
17 18		Jamestown 1 Jamestown 2	-	-		
19 20		Lake Preston Fergus Control Center	-	-		
21				PROTECTED DAT	[A ENDS]	
23		Total Oil - Peaking Units	PROTECTED DAT	\$ - A BEGINS		
24 25		Natural gas - Solway Natural gas - Astoria	-			
26 27		Total Natural Gas	\$ 32.08	PROTECTED DAT		
28			PROTECTED DAT			
29 30		Solar - Blue Jay Solar - Blue Heron	-			
31 32		Total Solar		PROTECTED DAT	A ENDS]	
33						
34 35		Total OTP-Owned	\$ 54.89	\$ 68.20		
36 37		ale Market Charges MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39 40	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41 42	555.19 555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A	<del>                                     </del>	
43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44 45		RT Loss Amount	N/A	N/A		
46 47		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A	<del> </del>	
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53 54	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56 57		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
60	555.35	FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A	N/A		
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
65 66	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68 69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70 71	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	<del> </del>	
72 73	555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A	N/A	<u> </u>	
75 76	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
77 78	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80 81	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82 83	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A	<del></del>	
84 85	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
86		RT Loss Rebate on COGA	N/A	N/A		
87 88		Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
89 90		Total MISO Wholesale Market Charges				
91		SPP Wholesale Market Charges				
92 93	555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94 95	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99 100	555.15	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102 103	555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104 105	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A	<del></del>	
106 107	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	<del></del>	
110			N/A	N/A		1
111		RT Pseudo Tie Loss Amount			1	
	555.21 555.23	RT Pseudo Tie Congestion Amount Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A N/A	N/A N/A N/A		

116	EEE 20	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
		RT Schedule 1A3 Amount		N/A		RT Schedule 1A4 is a new charge type in 2021
117			N/A N/A	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	N/A N/A	-	
119	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
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		sed Power				
145	Purcnas	ed Power	IPROTECTED DATA	DECINO	-	
146 147		Edgeley PPA	PROTECTED DATA	A BEGINS		
148		Langdon PPA			-	
148		Ashtabula III PPA	_			
		Ashtabula III PPA Tribal (WAPA)	-		-	Not Applicable to EAD. Evoluted from Total
150 151		WAPA Energy Imbalance	_		-	Not Applicable to EAR - Excluded from Total
151		Shared Loads	_			
152		Small Co-gen	-		-	
			-		-	
154 155		Bilateral purchases Market Purchases	_		-	MISO and SPP Energy Only
156		Market Pulchases		PROTECTED DA	TA ENDOI	INISO and SPP Energy Only
156		Total Purchases				Tribal (WAPA) excluded from Total
157		Total Purchases	p 24.45	a 36.53	-	Tribar (WAPA) excluded from Total
159	Wind Co	ırtailment	\$ 30.40	\$ 30.08		
160	WING CL	ii taiiiiieiit	φ 30.40	φ 30.06		
161	Accet B	ased Sales	\$ 65.59	\$ 43.89		
101	MSSEL D	aseu sales	φ 65.59	φ 43.09		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162		Fuel Costs	N/A	N/A		Based Sales
102		1 001 00313	IN/A	IVA		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163		Asset Based Margins	N/A	N/A		Based Sales
164		Asset Daseu Waigills	N/A	N/A	-	Dascu Sales
165	Total Co	rstem - Plant Level	\$ 20.46	\$ 22.31		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
						Tribal (WAFA) excluded from Total, Asset based Sales subtracted from Total

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•			Year to Date YTD 2021	2021 Forecast t YTD 2021	Actual - Expens	se (Revenue)		
Line	Plant Ge	eneration	Forecast [PROTECTED DATA	Actual A BEGINS				Notes
1		Big Stone						
3		Coyote Hoot Lake #2						Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3			PROTECTED	DATA ENDS]		
6 7		Total Coal	\$ 41,570,398 [PROTECTED DATA		\$ 321,578	0.77%		
8		Langdon Wind	-	A DEGINO		1		
9 10		Ashtabula Wind Luverne Wind	-					
11 12		Merricourt			PROTECTED	DATA ENDSI		
13 14		Total Wind	\$ -	\$ -	\$ -	0		
15		Total Hydro	\$ -	\$ -	\$ -	0		
16 17		Jamestown 1	[PROTECTED DATA	A BEGINS	l	I		
18 19		Jamestown 2 Lake Preston	_					
20		Fergus Control Center			PROTECTED	DATA ENDSI		
22		Total Oil - Peaking Units	\$ 183,923			376.57%		
23 24		Natural gas - Solway	[PROTECTED DATA	A BEGINS				
25 26		Natural gas - Astoria			PROTECTED	DATA ENDSI		
27		Total Natural Gas		\$ 16,558,090				
28 29		Solar - Blue Jay	[PROTECTED DATA -	4 DEGINS	1	1		
30 31		Solar - Blue Heron			PROTECTED	DATA ENDS	L	
32 33		Total Solar	\$ -	\$ -	\$ -	0		
34		Total OTP-Owned	\$ 45,986,045	\$ 59,326,596	\$ 13,340,551	29.01%		
35 36	Wholesa	ile Market Charges						
37 38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
39 40	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***		\$ - \$ -	\$ - \$ -	0		Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
42 43		RT FBT Loss Amount		\$ -	\$ -	74.70% 0		
44 45			\$ 4,740,687 \$ 137,871			88.68% 134.67%		
46 47	555.26	RT Non-Asset Energy Amount***	\$ -	\$ - \$ -	\$ - \$ -	0		Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0		
49 50	555.32 555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 740,063	\$ - \$ 679,115		-8.24%		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 84,518 \$ 26,296			13.94% -5.28%		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54	555.03	DA FBT Congestion Amount	\$ - \$ 2,284,317	\$ -	\$ -	1068.20%		
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$ -	0		
56 57		FTR Hourly Allocation Amount		\$ (41,854,342)	\$ (38,534,252)	-2138.53% 1160.64%		
58 59	555.15 555.17		\$ (188,500) \$ (13,455)			463.35% 278.83%		
60 61	555.35	FTR Monthly Transaction Amount	\$ (91,294) \$ (115,251)	\$ (2,253,290)	\$ (2,161,996)	2368.16% 541.66%		
62	555.37	FTR Guarantee Uplift Amount	\$ 117,086	\$ 807,315	\$ 690,228	589.50%		
63 64			\$ (2,501,545) \$ 2,499,792		\$ (12,395,087) \$ 12,296,224	495.50% 491.89%		
65 66			\$ 62,761 \$ (325,085)			92.90% 107.32%		
67 68	555.07	DA Congestion Rebate on Option B GFA	\$ - \$ 104,016	\$ -	\$ -	0 59.21%		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (52,300)	\$ (76,737)	\$ (24,437)	46.73%		
70 71	555.30		\$ (236,167)	\$ -	\$ 236,167	332.90% -100.00%		
72 73		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (149,968) \$ 509,485			263.30% 119.15%		
74 75	555.25		\$ 218,116 \$ 14,820	\$ (4,876)	\$ (222,992)	-102.24% -369.67%		
76	555.31	RT Uninstructed Deviation Amount	\$ -	\$ 40,003	\$ 40,003	0		
77 78	555.63	DA Ramp Product	\$ (13,443)		\$ (7,403)	55.07%		
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (558) \$ 188,300			1370.62% -56.84%		
81 82	555.55	RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ - \$ -	0		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
83	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0		
84 85	555.22	RT Congestion Rebate on COGA	\$ -	\$ - \$ -	\$ - \$ -	0		
86 87	555.23			\$ - \$ 1,068,049	\$ - \$ 1,068,049	0		
88 89		Total MISO Wholesale Market Charges		\$ (7,233,575)		-418.03%		Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90			- 2,217,020	- (.,200,070)	, (5,500,100)	- 10.03 /0		The state of the s
91 92		SPP Wholesale Market Charges DA Asset Energy Amount***		\$ -	\$ -	0		Energy Amounts - included/embedded within Market Purchases
93 94	555.03 555.09				\$ - \$ -	0	_	Energy Amounts - included/embedded within Market Purchases
95 96	555	RT Non-Asset Energy Amount	\$ - \$ -	\$ -	\$ - \$ -	0		
97 98	555.1	RT Make-Whole-Payment Distribution Amount	\$ 1,211	\$ 1,026	\$ (185)	-15.29%		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 115	\$ 211		84.16%		
100	555.05	DA Regulation-Up Distribution Amount	\$ 107 \$ 155	\$ 172	\$ 18			
102			\$ 169 \$ 21		\$ (3) \$ (12)	-1.70% -58.61%		
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (6) \$ (113,841)	\$ (0)	\$ 5	-96.93%		
106	555.12	RT Regulation-Down Distribution Amount	\$ (6)	\$ 4	\$ 10	-158.15%		
107 108	555.14	RT Regulation-Up Distribution Amount	\$ (3) \$ (7)	\$ (24)	\$ (17)			
109 110	555.16	RT Spinning Reserve Distribution Amount	\$ (0) \$ (0)			27621.99% -951.61%		
111	555.2	RT Pseudo Tie Congestion Amount	\$ (579,361) \$ (188,287)	\$ (943,152)	\$ (363,791)	62.79% 120.26%		
113	555.23	Miscellaneous Amount	\$ (110)	\$ 80	\$ 190	-172.47%		
114 115	555.28		\$ (90,194) \$ -	\$ (83,245) \$ -		-7.70% 0		
	_			·		·	_	

		Internal distriction of the state of the sta								Into the transfer of the trans
116		RT Schedule 1A3 Amount	\$	-	\$	20		20	0	RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	\$	-	\$	105		105	0	RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	\$	81	\$	74		(7)	-8.92%	
119		DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$		\$	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					L.			
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	\$	573	\$	(8,686)	-93.81%	
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	Purchas	sed Power								
146			<b>IPROTECT</b>	ED DAT	A B	EGINS				
147		Edgeley PPA	<b>-</b>							
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	Ī							
154		Bilateral purchases	_							
155		Market Purchases	_							MISO and SPP Energy Only
156								PROTECTED	DATA ENDS1	
157		Total Purchases	\$ 59.	381.149	\$	69.581.125		10.199.976	17.18%	Tribal (WAPA) excluded from Total
158		. otarr aronaooo	. 50,	.,,	Ť	, , . 20	Ť	2,.22,270		
159	Wind C	urtailment	\$	112,524	s	337.570	\$	225,046	200.00%	
160			·		Ť	,	Ť	,_,		
161	Asset F	ased Sales	\$ 4.	431,509	\$	15,589,196	s	11,157,688	251.78%	Credit to MN FCA Calculation - Subtracted from Total
162	, ,,3361 L	Fuel Costs		602.005		11,469,286	\$	8.867,281	340.79%	Crodit to Milit 1 C. 1 Calculation Cabitacted Holli Total
163		Asset Based Margins		329.504				2,290,406	125.19%	
164			Ţ 1,º	0,007	Ť	.,,	۳	2,200, 100	.20.1070	
165	Total S	vstem - Plant Level	\$ 102	158 949	•	103.470.069	•	1,411,121	1.38%	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
100	i Otal 3	700m 1 mm 20761	¥ 102,	CTU,UU		.00,77,003	ıΨ	1,711,121	1.00/0	The attraction of the attracti

<sup>\*\*\*</sup> These energy related charge types are reported in Market Purchases

ļ				21 Forecast to Ac	tual -	MWh
			YTD 2021 Forecast	YTD 2021 Actual		Notes
Line 1	Plant G	eneration Big Stone	[PROTECTED DAT	A BEGINS		
2		Coyote				
3 4		Hoot Lake #2 Hoot Lake #3	-			Actuals include Hoot Lake #2 and #3 combined
5 6		Total Coal		TECTED DATA E 1,877,694		
7			[PROTECTED DAT	A BEGINS		
8 9		Langdon Wind Ashtabula Wind	-			
10 11		Luverne Wind Merricourt				
12				TECTED DATA E	NDS]	
13 14		Total Wind	844,368	959,910		
15 16		Total Hydro	20,000 IPROTECTED DAT	14,299 A BEGINS		
17		Jamestown 1	-			
18 19		Jamestown 2 Lake Preston	-			
20 21		Fergus Control Center	PRC	TECTED DATA E	NDS1	
22		Total Oil - Peaking Units	791 [PROTECTED DAT	2,889		
24		Natural gas - Solway	-	A BEGINS		
25 26		Natural gas - Astoria	PRC	TECTED DATA E	NDS1	
27 28		Total Natural Gas	151,839	362,633		
29		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
30 31		Solar - Blue Heron	PRC	TECTED DATA E	NDS1	
32 33		Total Solar		96		
34		Total OTP-Owned	2,887,653	3,217,521		
35 36	Wholes	ale Market Charges				
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40 41		DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		<u> </u>
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43 44	JJJ.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
45 46	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
47 48	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52 53	555.13	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
54		DA Congestion	N/A	N/A		
55 56	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
57 58	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60 61		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
62 63	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
64	555.38	FTR Annual Transaction Amount	N/A	N/A		
65 66	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
67 68	555.07	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 71	555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amou RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
72 73	555.42	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75 76		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A	E	<u> </u>
77 78	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80 81	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82 83	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
84	555.06	DA Losses Rebate on COGA	N/A	N/A		
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A	E	
87 88		Net Congestion and Losses Adjustment & No DA Generation Sc	N/A	N/A		
89		Total MISO Wholesale Market Charges				
90 91		SPP Wholesale Market Charges			E	
92 93		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95 96	555 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97 98	555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100 101	555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
102 103	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105 106	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
107 108	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110 111	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A	E	
112 113	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	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 Sche	edule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		edule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		Carve Out Distribution Deployment Daily Amount	N/A	N/A	-	TO Concodic 1744 is a new charge type in 2021
119	555.01 DA GEA	Carve Out Distribution Deployment Monthly Amount	N/A	N/A	-	
120		A Carve Out Distribution Deployment Yearly Amount	N/A	N/A	1	
121	333.27 DA GFA	Total SPP Wholesale Market Charges	IN/A	IN/A	-	
122		Total SPF Wholesale Market Charges			-	
	MISO A	014			-	
123				11/4	-	
124		ead Regulation Amount	N/A	N/A		
125		ne Regulation Amount	N/A	N/A		
126		ion Cost Distribution Amount	N/A	N/A		
127		ead Short-Term Reserve Amount	N/A	N/A		New charge type in 2021
128		ne Short-Term Reserve Amount	N/A	N/A		New charge type in 2021
129		erm Reserve Cost Distribution Amount	N/A	N/A		New charge type in 2021
130		ead Spinning Reserve Amount	N/A	N/A		
131		ne Spinning Reserve Amount	N/A	N/A		
132	Spinning	g Reserve Cost Distribution Amount	N/A	N/A		
133		ead Supplemental Reserve Amount	N/A	N/A		
134	Real Tin	ne Supplemental Reserve Amount	N/A	N/A		
135	Supplem	nental Reserve Cost Distribution Amount	N/A	N/A		
136		ency Reserve Deployment Failure Charge Amount	N/A	N/A		
137		ne Excessive Deficient Energy Deployment Charge Amo	N/A	N/A		
138		erm Reserve Deployment Failure Charge Amount	N/A	N/A		New charge type in 2021
139		ulation Adjustment Amount	N/A	N/A		Trow sharge type in 2021
140	THEETINGS	Total MISO ASM	19/3	1975	1	
141		Total inito Atom				
142		Total Wholesale Market Charges			-	
143		Total Wilolesale Market Charges				
144					-	
145	Purchased Power	or				
146	ruiciiaseu rowe	GI	IPROTECTED DAT	A DECIME	1	
147	Edgeley	DDA	[FROTEGIED DAT	A BEGINS	1	
148	Langdor		_			
149		II PPA	_			
150	Tribal (V		_		-	Not Applicable to EAD. Evoluted from Total
		Energy Imbalance	_		-	Not Applicable to EAR - Excluded from Total
151			_			
152	Shared I		_		$\vdash$	
153	Small C		_			
154		purchases	_			
155	Market F	Purchases				MISO and SPP Energy Only
156				TECTED DATA E	NDS]	
157		Total Purchases	2,437,416	2,108,120		Tribal (WAPA) excluded from Total
158						
159	Wind Curtailmer	nt	3,701	10,615		
160						
161	Asset Based Sal	les	114,952	416,066		Credit to MN FCA Calculation - Subtracted from Total
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162	Fuel Cos	sts	-	-	1	Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163	Asset Ba	ased Margins	-	-	1	Based Sales
164	.,,,,					
165	Total System - P	Plant Level	5,213,818	4.920.191	1	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total
	. otal o jotolii - i		U, U, U I U	7,020,101		

[			YED 2021 F		- \$ per MV	Vh
			YTD 2021 Forecast	YTD 2021 Actual		Notes
Line	Plant Ge	eneration	[PROTECTED DATA			Hotes
1		Big Stone				
3		Coyote Hoot Lake #2	_			Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3	-			Actuals include floor bake #2 and #5 combined
5				PROTECTED DAT	A ENDS]	
6 7		Total Coal	\$ 22.22 [PROTECTED DATA			
8		Langdon Wind	T-KOIECIED DAI	A BEGINS		
9		Ashtabula Wind				
10 11		Luverne Wind Merricourt	-			
12		Memcourt		PROTECTED DAT	A ENDS1	
13		Total Wind	\$ -	\$ -		
14 15		Total Hydro	• -	\$ -		
16		Total Hydro	PROTECTED DATA	A BEGINS		
17		Jamestown 1	-	_		
18 19		Jamestown 2 Lake Preston	_	_		
20		Fergus Control Center	Ī.,			
21				PROTECTED DAT	A ENDS]	
22		Total Oil - Peaking Units	PROTECTED DATA	\$ - A REGINS		
24		Natural gas - Solway	[ ROTEOTED DATA	A DEGINO		
25		Natural gas - Astoria				
26 27		Total Natural Gas		PROTECTED DAT \$ 45.66	A ENDS]	
28		Total Natural Gas	[PROTECTED DATA			
29		Solar - Blue Jay				
30 31		Solar - Blue Heron		PROTECTED DAT	A ENDS1	
32		Total Solar		\$ -		
33						
34 35		Total OTP-Owned	\$ 50.09	\$ 67.97	<del> </del>	
36		ale Market Charges				
37		MISO Wholesale Market Charges				
38 39		DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A	<del> </del>	
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42 43		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	<b>!</b>	
44	333.Z1	DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A	N/A		
46 47		RT Non-Asset Energy Amount***  DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48		DA Virtual Energy Amount	N/A	N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52		FTR Mkt Admin Amount	N/A	N/A		
53	555.03	DA FBT Congestion Amount	N/A	N/A		
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
56		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58 59		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
60		FTR Monthly Transaction Amount	N/A	N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62 63	555.37	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
64		FTR Annual Transaction Amount	N/A	N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66 67		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A	1	
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 71		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	<del>                                     </del>	
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 75		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A	<del>                                     </del>	
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 79		DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A	<del>                                     </del>	
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A	<del>                                     </del>	
82		DA Congestion Rebate on COGA	N/A N/A	N/A N/A	<b>-</b>	
84	555.06	DA Losses Rebate on COGA	N/A	N/A		
85 86		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
87	JJJ.Z3	Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A N/A	N/A N/A	<b> </b>	
88			,,,,			
89 90		Total MISO Wholesale Market Charges			<b> </b>	
91		SPP Wholesale Market Charges			1	
92		DA Asset Energy Amount***	N/A	N/A		
93 94	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A	<del>                                     </del>	
94	555.09 555	RT Non-Asset Energy Amount  RT Non-Asset Energy Amount	N/A N/A	N/A N/A	<b> </b>	
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.1 555.1	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A	l	
98		RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A	<b>-</b>	
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	<del>                                     </del>	
102	555.07	DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105 106	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A	l	
106	555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A	<b> </b>	
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109 110	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110		RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A	<b>-</b>	
112	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
113 114		Miscellaneous Amount  ARR Closeout Yearly Amount	N/A N/A	N/A N/A	<del>                                     </del>	
114		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A	<b>-</b>	

116	555 29	RT Schedule 1A3 Amount	N/A	N/A		RT Schedule 1A3 is a new charge type in 2021
117		RT Schedule 1A4 Amount	N/A	N/A		RT Schedule 1A4 is a new charge type in 2021
118		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	-	TO Schedule 1A4 is a new charge type in 2021
119		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
120		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	-	
121	333.21	Total SPP Wholesale Market Charges	IN/A	IN/A		
122		Total 3FF Wildlesale Market Charges				
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	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	N/A		New charge type in 2021  New charge type in 2021
129		Short-Term Reserve Cost Distribution Amount	N/A N/A	N/A		New charge type in 2021  New charge type in 2021
130		Day Ahead Spinning Reserve Amount	N/A N/A	N/A N/A		New charge type in 2021
131		Real Time Spinning Reserve Amount	N/A N/A	N/A		
131		Spinning Reserve Cost Distribution Amount	N/A N/A	N/A N/A		
133		Day Ahead Supplemental Reserve Amount	N/A N/A	N/A N/A		
		Real Time Supplemental Reserve Amount				
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						
145 146	Purcnas	ed Power	IPROTECTED DATA			
146		Edgeley PPA	PROTECTED DATE	A BEGINS		
148		Langdon PPA Ashtabula III PPA				
		Tribal (WAPA)				W. A. F. H E1D. E. I. I. I
150		WAPA Energy Imbalance				Not Applicable to EAR - Excluded from Total
151						
152		Shared Loads				
153		Small Co-gen				
154		Bilateral purchases				14100 1000 F
155		Market Purchases				MISO and SPP Energy Only
156		==		PROTECTED DAT	A ENDS]	THE COMPANY OF THE CO
157		Total Purchases	\$ 24.36	\$ 33.01		Tribal (WAPA) excluded from Total
158	14/1	ırtailment		\$ 31.80		
159 160	wind Ci	irtaliment	\$ 30.40	\$ 31.80		
	A4 B		\$ 38.55	\$ 37.47		
161	Asset B	ased Sales	\$ 38.55	\$ 37.47		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
400		First Oneste	AUA	AL/A		Based Sales
162		Fuel Costs	N/A	N/A	-	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
1 1			N/A	N/A		Based Sales  Based Sales
163		Asset Based Margins	IVA	11075		Sacca caree
163 164 165	T-4-10:	Asset Based Margins stem - 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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#### 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 Tail Winds program is not included in the cost of energy adjustment calculation.

MINNESOTA PUBLIC UTILITIES COMMISSION Approved: December 24, 2020 Docket No. E017/GR-20-719



Fergus Falls, Minnesota

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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 forecated 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,	1.0567
	10.07	
Large General Service	10.04, 10.05, 11.01,	0.9546
	14.03	
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

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

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Interim

Minnesota Public Utilities Commission
Section 13.01

ELECTRIC RATE SCHEDULE
Energy Adjustment Rider

Fergus Falls, Minnesota

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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  $0.001 \, \text{¢}$ ), 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  $0.001 \c/e$ ) for each class that will be added to or subtracted from the applicable forecasted class EAF's for the months the true-up factor is in effect and applied to Customers' bills as part of the monthly cost of Energy Adjustment Charge.

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

Docket No. E017/AA-20-462 Attachment 5 Page 1 of 1

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

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		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
No.		ERGY TYPE:												
1 2 3 4 5 6 7	GENERATION	COAL BIOMASS HYDRO GAS WIND FUEL OIL UNKNOWN	\$4,503,673 \$0 \$0 \$43,559 \$0 \$12,361 \$0	\$4,769,453 \$0 \$0 \$96,350 \$0 \$356,875	\$2,908,601 \$0 \$0 \$20,183 \$0 \$5,305 \$0	\$2,256,311 \$0 \$0 \$97,686 \$0 \$10,378 \$0	\$2,661,290 \$0 \$0 \$703,697 \$0 (\$6,026) \$0	\$3,030,466 \$0 \$0 \$975,413 \$0 \$156,543 \$0	\$3,929,078 \$0 \$0 \$1,384,401 \$0 (\$60,989) \$0	\$3,527,724 \$0 \$0 \$1,264,482 \$0 \$0 \$0	\$2,208,627 \$0 \$0 \$352,681 \$0 \$0 \$0	\$1,490,225 \$0 \$0 \$2,406,660 \$0 \$1,914 \$0	\$1,602,964 \$0 \$0 \$2,208,791 \$0 \$9,304 \$0	\$3,671,195 \$0 \$0 \$1,259,059 \$0 (\$921)
8 9 10 11 12 13 14 15	PURCHASES NET	COAL BIOMASS HYDRO GAS WIND SOLAR FUEL OIL UNKNOWN	\$0 \$0 \$0 \$0 \$865,685 \$793 \$0 \$3,558,704	\$0 \$0 \$0 \$0 \$898,831 \$660 \$0 \$6,137,241	\$0 \$0 \$0 \$0 \$672,646 \$1,983 \$0 \$3,131,175	\$0 \$0 \$0 \$0 \$1,204,785 \$3,446 \$0 \$1,959,650	\$0 \$0 \$0 \$0 \$921,206 \$3,043 \$0 \$2,193,670	\$0 \$0 \$0 \$0 \$1,058,928 \$4,535 \$0 \$1,879,814	\$0 \$0 \$0 \$0 \$509,029 \$4,567 \$0 \$2,707,207	\$0 \$0 \$0 \$0 \$586,573 \$4,523 \$0 \$2,750,062	\$0 \$0 \$0 \$0 \$990,615 \$4,823 \$0 (\$28,146)	\$0 \$0 \$0 \$0 \$1,202,752 \$4,580 \$0 \$4,084,663	\$0 \$0 \$0 \$0 \$1,417,540 \$3,121 \$0 \$9,749,481	\$0 \$0 \$0 \$0 \$1,033,644 \$2,025 \$0 \$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 D													
19 20 21 22 23 24 25	GENERATION	COAL BIOMASS HYDRO GAS WIND FUEL OIL UNKNOWN	0.93350 0.00000 0.00000 0.00903 0.00000 0.00256 0.00000	1.03374 0.00000 0.00000 0.02088 0.00000 0.07735 0.00000	0.65138 0.00000 0.00000 0.00452 0.00000 0.00119 0.00000	0.55079 0.00000 0.00000 0.02385 0.00000 0.00253 0.00000	0.75768 0.00000 0.00000 0.20035 0.00000 -0.00172 0.00000	0.83285 0.00000 0.00000 0.26807 0.00000 0.04302 0.00000	1.06662 0.00000 0.00000 0.37582 0.00000 -0.01656 0.00000	0.91142 0.00000 0.00000 0.32669 0.00000 0.00000	0.63242 0.00000 0.00000 0.10099 0.00000 0.00000	0.46574 0.00000 0.00000 0.75216 0.00000 0.00060 0.00000	0.41860 0.00000 0.00000 0.57680 0.00000 0.00243 0.00000	0.81698 0.00000 0.00000 0.28019 0.00000 -0.00020 0.00000
26 27 28 29 30 31 32 33		COAL BIOMASS HYDRO GAS WIND SOLAR FUEL OIL UNKNOWN	0.00000 0.00000 0.00000 0.00000 0.17944 0.00016 0.00000 0.73763	0.00000 0.00000 0.00000 0.00000 0.19481 0.00014 0.00000 1.33020	0.00000 0.00000 0.00000 0.00000 0.15064 0.00044 0.00000 0.70123	0.00000 0.00000 0.00000 0.00000 0.29410 0.00084 0.00000 0.47837	0.00000 0.00000 0.00000 0.00000 0.26227 0.00087 0.00000 0.62455	0.00000 0.00000 0.00000 0.00000 0.29102 0.00125 0.00000 0.51662	0.00000 0.00000 0.00000 0.00000 0.13819 0.00124 0.00000 0.73492	0.00000 0.00000 0.00000 0.00000 0.15155 0.00117 0.00000 0.71051	0.00000 0.00000 0.00000 0.00000 0.28365 0.00138 0.00000 -0.00806	0.00000 0.00000 0.00000 0.00000 0.37590 0.00143 0.00000 1.27659	0.00000 0.00000 0.00000 0.00000 0.37018 0.00082 0.00000 2.54598	0.00000 0.00000 0.00000 0.00000 0.23002 0.00045 0.00000 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

Attachment 7 Page 1 of 2

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 Mav June July August September October November December [PROTECTED DATA BEGINS . . . . Cost of delivered coal by plant (1) 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 2013 Coyote cost per Mbtu 2014 Coyote cost per Mbtu 2015 Coyote cost per Mbtu 2016 Covote cost per Mbtu 2017 Coyote cost per Mbtu 2018 Coyote cost per Mbtu 2019 Coyote cost per Mbtu 2020 Coyote cost per Mbtu 2021 Coyote cost per Mbtu 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 2012 Hoot Lake cost per Mbtu 2013 Hoot Lake cost per Mbtu 2014 Hoot Lake cost per Mbtu 2015 Hoot Lake cost per Mbtu 2016 Hoot Lake cost per Mbtu 2017 Hoot Lake cost per Mbtu 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]

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Attachment 7

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
[PROTECT	ED DATA BE	egins									
									PROTE	CTED DATA	ENDS]
•											•
12.86 15.79 16.36 13.57 16.07 17.29 19.71 21.21 19.93 0.00 0.00 20.67 18.78 17.40	13.14 15.07 16.71 0.00 12.64 17.29 0.00 22.14 20.62 20.37 16.15 17.74 17.05	12.93 15.07 16.79 0.00 15.86 16.93 20.57 19.36 20.07 22.14 21.32 19.32 18.70 17.13 14.38 14.78	13.29 15.21 16.71 12.64 16.21 0.00 20.57 17.86 19.07 14.29 18.20 16.87 22.11 17.82 15.67 14.90	13.29 15.43 0 15.36 16.00 17.00 20.57 0.00 22.14 20.59 18.42 16.89 0.00	14.07 15.50 15.14 0.00 16.00 16.29 19.86 17.79 19.93 21.14 16.36 16.72 16.57 0.00 14.92 14.87	13.21 15.86 18.07 0.00 0.00 13.57 19.93 0.00 21.00 21.64 22.13 20.13 20.86 0.00 15.23 14.83	17.14 15.43 16.50 16.79 16.14 21.21 20.93 21.36 0.00 15.93 21.15 20.17 19.42 0.00 14.65 0.00	15.36 16.07 12.64 16.07 16.29 20.21 14.29 17.86 22.29 0.00 22.22 21.67 17.50 0.00 14.28 15.70	16.00 17.50 16.07 16.29 17.43 22.07 17.79 19.93 16.07 20.18 21.90 20.05 17.11	15.79 16.07 13.79 15.79 16.21 20.21 17.93 19.00 0.00 20.65 16.15 17.28 20.05 17.81 14.54 15.73	15.93 16.07 17.00 15.79 17.21 17.29 22.21 22.07 19.93 20.95 16.15 22.11 16.61 16.72 14.28 0.00
t DSG or DN	III charace /	2)									
32.43 38.64 61.28 59.90 58.11 35.68 31.08 33.82 39.32 27.88 29.77 36.16 29.84 23.99 24.25	53.34 82.81 74.56 59.86 57.90 35.89 30.72 32.37 48.75 35.43 25.03 25.82 31.00 36.30 26.18	49.82 55.89 69.65 32.18 49.57 31.89 30.75 31.50 49.66 35.23 23.90 27.00 27.24 34.16 24.00 21.37	36.19 64.08 68.19 26.22 49.04 32.53 25.00 36.33 27.76 28.46 23.15 28.86 29.54 28.04 21.89 15.23	43.46 56.05 39.65 34.01 37.80 38.17 29.55 35.14 48.69 28.50 22.89 28.80 29.23 24.78 18.96 16.15	50.81 59.22 49.85 32.41 33.02 84.70 34.91 30.56 33.97 27.05 24.35 28.26 22.66 14.65 19.39	128.29 46.31 57.12 32.04 37.69 12.52 38.41 36.22 32.60 28.15 34.24 28.93 38.93 24.02 19.85 32.82	58.97 41.13 52.07 38.92 41.60 48.38 45.41 38.82 29.36 31.51 36.67 26.62 36.53 22.08 20.78 31.97	65.01 47.17 42.47 37.51 40.25 35.39 38.95 47.32 28.60 27.51 29.49 25.05 30.21 27.57 18.99 17.51	39.47 31.31 28.64 31.31 33.58 27.00 24.10 25.17 28.62 22.86 19.48	61.35 53.65 49.02 36.69 28.31 26.86 30.13 31.04 33.55 21.91 26.47 31.12 30.66 27.63 12.12 42.46	42.55 63.58 52.47 41.36 33.43 32.18 31.64 39.19 34.85 21.44 27.93 32.29 34.45 24.12 26.77 24.88
	12.86 15.79 16.36 13.57 16.07 17.29 19.31 19.93 10.00	12.86 13.14 15.79 15.07 16.36 16.71 16.36 16.71 16.36 16.71 17.29 17.29 17.29 17.29 19.71 0.00 21.21 22.14 19.93 21.64 21.72 17.29 17.29 21.21 22.14 21.86 21.87 17.40 21.21 22.14 21.9.33 21.64 21.21 22.14 21.41 21.42 14.86 21.87 17.40 21.21 22.14 21.86 21.87 17.40 21.21 22.14 21.86 21.87 17.40 21.81 53.34 38.64 82.81 21.87 17.40 21.81 53.34 38.64 82.81 21.85 23.37 39.32 48.75 59.90 59.86 58.11 57.90 35.68 35.89 31.08 30.72 33.82 32.37 39.32 48.75 38.50 35.43 37.88 25.03 29.77 25.82 36.16 31.00 29.84 36.30 29.84 36.30 29.84 36.30 29.84 36.30 29.84 36.30 29.84 36.30 29.84 36.30 29.84 36.30	PROTECTED DATA BEGINS	[PROTECTED DATA BEGINS	[PROTECTED DATA BEGINS	[PROTECTED DATA BEGINS	[PROTECTED DATA BEGINS  12.86	[PROTECTED DATA BEGINS	PROTECTED DATA BEGINS	PROTECTED DATA BEGINS	12.86

(2) Is not retail

Page 1 of 1

#### MISO Module E Data For Otter Tail Power Company As of February 10, 2021

#### AGGREGATE RESOURCES AS DEFINED BY MISO - Values reflect the Unforced Capacity rating (UCAP)

				-										
No.	Aggregate Resources	Designation	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
1	Big Stone Plant	OTP.BIGSTON1	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2	Coyote Station	OTP.COYOT1	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3	131.3
3	FPL Energy ND Wind II	OTP.EDGLYEDGL	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
6	Jamestown 1	OTP.JAMSPK1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
7	Jamestown 2	OTP.JAMSPK2	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
8	Lake Preston	OTP.HETLA1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
9	Solway	OTP.SOLWAYO1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
LO	CAL RESOURCES AS DEFINED BY	MISO - Values reflect the	Unforced C	apacity ra	tina (UCAF	<b>)</b>								
					5 (	,								
No.	Local Resource	Designation	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
1	Ashtabula	OTP.ASHTABULA	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
2	AshtabulaIII	OTP.ASHTAIII	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
3	Langdon	OTP.LANGDN1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4	Langdon	OTP.LANGDN2	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5	Luverne	OTP.MPWR	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
6	Astoria Station	OTP.ASTORIA	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8	237.8
7	Merricourt	OTP.MERRICOURT	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
BE	HIND-THE-METER RESOURCES AS	DEFINED BY MISO - Valu	es reflect t	he Unforce	ed Capacity	y rating (U	CAP)							
No	BTM Resource	Designation	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
1	Dayton Hollow Hydro #1	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	Dayton Hollow Hydro #2	OTP.OTP	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Hoot Lake Hydro	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5
J	Tiout Lake Tiyare	011.011			BEGINS .		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	Kindred School Diesel	OTP.OTP	[	5 5,		• •								
5	State Auto Insurance	OTP.OTP												
6	Stevens Community	OTP.OTP												
·	Clevene Community	· · · · · · · · · · · · · · · · · · ·					PROT	ECTED DA	TA ENDS1					
7	Pisgah Hydro	OTP.OTP	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
8	Taplin Gorge Hydro	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
EY.	FERNAL RESOURCES AS DEFINED	BV MISO - Values reflect	the Unforc	od Canacii	by rating (I	ICAD)								
	TERRAL REGOGRADES AS DEL INED	Di mioo - values reneet	tile officie	ca Gapaon	y runny (C	, o, i								
No.	External Resources	Designation	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
1		Garrison Hydro Plant	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2		Garrison Hydro Plant 2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
PR	C TRANSACTIONS AS DEFINED BY	MISO - Values reflect the	Planning F	Resource C	redit ratin	g (PRC)								
	PP0 7 "	<b>.</b>				0 04	0.404		D 04		<b>5</b> 1 00			
	PRC Transaction	Designation	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
1	None													
Tc.	-1		000 5	000 5	000 5	000 5	000 5	000 5	000 5	000 5	000 5	000 5	000 5	000 5
Tot	র। -		806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5

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

	Charge Type Description		System - Retail January - December 2021		nnesota - Retail January - December 2021
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	1			
1	DA Asset Energy Amount	\$	44,577,269.00	\$	22,578,475.90
2	DA FBT Loss Amount	\$	-	\$	- (222 422 25)
3	DA Non-asset Energy Amount RT Asset Energy Amount	\$ \$	(1,842,881.28)	\$ \$	(933,423.05)
5	RT Distribution of Losses Amount	\$	(237,463.17) (3,045,446.09)	\$	(120,275.57) (1,542,524.54)
6	RT FBT Loss Amount	\$	(0,010,110.00)	\$	(1,012,021.01)
7	DA Loss Amount	\$	8,944,691.31	\$	4,530,504.04
8	RT Loss Amount	\$	323,548.98	\$	163,878.21
9 10	RT Non-Asset Energy Amount DA Losses Rebate on Option B GFA	\$ \$	671.23	\$ \$	339.98
10	DA Losses Repaile on Option B of A	Ψ		Ψ	
	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 15	RT Mkt Admin Amount	\$ \$	96,301.15	\$ \$	48,776.73
15	FTR Mkt Admin Amount	Ф	24,907.84	Ф	12,615.87
	Congest & FTRs				
16	DA FBT Congestion Amount	\$	-	\$	-
17	DA Congestion	\$	26,685,318.80	\$	13,516,167.34
18 19	RT FBT Congestion Amount RT Congestion	\$ \$	2,383,598.85	\$ \$	1,207,297.58
	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)
	FTR Monthly Transaction Amount	\$	(2,253,290.31)	\$	(1,141,296.05)
24 25	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ \$	(739,519.23) 807,314.56	\$ \$	(374,567.97) 408,906.44
	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 30	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$	(673,980.53)	\$ \$	(341,372.49)
30	DA Congestion Repaile on Option B Of A	Ψ	_	Ψ	_
	RSG & Make Whole Payments				
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$	165,608.09	\$	83,880.83
	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amoun	\$	(76,737.47) 1,147,484.76	\$ \$	(38,867.68) 581,203.33
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	1,147,404.70	\$	-
35	RT Price Volatility Make Whole Payment	\$	(544,832.18)	\$	(275,958.59)
		1			
36	Revenue Neutrality Uplift  RT Revenue Neutrality Uplift Amount	] \$	1,156,538.72	\$	585,789.17
30	IN Nevenue Neutrality Opini Amount	Ψ	1,130,330.72	Ψ	303,709.17
	Other Charges				
37	RT Misc Amount	\$	(4,876.18)	\$	(2,469.79)
	RT Net Inadvertent Amount	\$	(39,963.69)	\$	(20,241.69)
39 40	RT Uninstructed Deviation Amount 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	1			
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
		1			
46	Grandfathered Charge Types  DA Congestion Rebate on COGA	\$	_	\$	_
47	DA Congestion Rebate on COGA  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
- 50		JΨ	30,220,040.02	Ψ	20,100,000.00
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		
	]	•	,,		

#### 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)
Description   Company		Charge Type Description	Acct	MWh			Revenue	MWh			Revenue				ALE Revenue
DA Accent Energy Amount	No.		Acct		0031	MITTI	Revenue		0031		Revenue		0031	1010011	revenue
DA Non-seate Energy Annual	1		555.02	(425,893) \$	(7.901.076.56)	325.336 \$	6.158.459.90	0 \$		1.965 \$	46.741.92	0 \$	-	0 \$	-
ST   Foot fiveray Amount   500.19   511.291   5 (42).411.051   200.09   3 293.113.05   0   5   0   5   0   5   0   5   0   5   5	2				-				_		-		_		
BT Name Access Enterpoly Access   1,000   1,					(433,413,61)						-		-		
DAY PLAN ARRIVER True Registration   Company	4				-		-		-		-		-		-
BA PERT Loss Amounts				(457,184) \$	(8,334,490.17)	350,025 \$	6,594,561.71	0 \$	-	1,965 \$	46,741.92	0 \$	-	0 \$	-
RT Claribotion of Loses Amount		Day Ahead & Real Time Energy Loss													
S	6	DA FBT Loss Amount			-	0 \$	-		-		-	0 \$	-	0 \$	-
DA Loss Amount	7	RT Distribution of Losses Amount	555.24	0 \$	(4,900.09)	0 \$	152,008.44	0 \$	-	0 \$	-	0 \$	-	0 \$	-
Tell Content Repairs on Option BGFA	8		555.21		-		-		-		-		-		-
11   DA Loses Relation Options DGFA	9						-		-		-		-		-
Total Report Amount   Section   Se	10				(24,135.77)		-		-		-		-		-
Virtual Energy Amount   55512   0 \$ -	11		555.08		- (540 400 04)		-		-		-		-		-
DA Visual Ferrey Amount				0 \$	(540,126.94)	0 \$	152,008.44	0 \$		0 \$		0 \$	-	0 \$	
RT Visual Fenome Amount	_		555.40	0.0		2 4		0.0		0 0				2 1	
SUBSTOTAL   STANDAM Admin Amount   SSS.10   S   C					-		-		-		-		-		-
Schooluse 18 17	14		555.32		-								-		-
DA Mith Admin Amount				U \$		U \$	-	<b>+</b> • •		· •	-	1 3		0 9	-
RT Mak Admin Amount			555.01	0 \$	(60.829.11)	0 \$	_	0 \$	(156 11)	0 \$	_	0 \$		2 0	
FTR. Mit Admin Amount							2 165 25						-		
SUBTOTAL     0 \$ (71,164,98)   0 \$ 2,165,25   0 \$ (1,580,46)   0 \$ -   0 \$ - 0 \$   0 \$							2,100.20		(1,727.33)		_		-		-
Compastion AFFRS   Compastion Amount   555.03   0   5   0		SUBTOTAL	000.10				2,165.25		(1,580.46)		- 1		-		-
21		Congestion & FTRs				·	·								
21			555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23		DA Congestion		0 \$	-	0 \$	(802,920.23)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
FIR Houtry Allocation Amount	22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-	0 \$	-	0 \$	-
FIR Monthly Allocation Amount	23	RT Congestion		0 \$	37,447.35	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
FIR Yearly Allocation Amount		FTR Hourly Allocation Amount	555.14	0 \$	(131,226.50)	0 \$	532,540.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-
FIR Monthly Transaction Amount									-		-	, , ,	-		-
FIR Full funding Guarantee Amount					(4.85)		50,976.75		-		-		-		-
FIR Guarantee Uplit Amount					-		-		-		-		-		-
FIR Auction Revenue Rights Transaction Amount									-		-		-		-
FTR Annual Transaction Amount							- /		-		-	, , ,	-		-
STR Auction Revenue Rights Infansible Uplift Amount									-		-	· •	-	υ ψ	-
State   Stat									-		-	· •	-		-
34   DA Congestion Rebate on Option B GFA   555.07   0 \$					(2,174.65)				-		-	· •	-		-
SUBTOTAL					-		23,824.50		-		-		-		-
RSG & Make Whole Payments			555.07		(670 967 90)		376 727 35		<u>:</u>				<u>:</u>		-
DA Revenue Sufficiency Guarantee Distribution Amount 555.10 0 \$ (10,860.98) 0 \$ - 0 \$ (32,71) 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 555.29 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 \$ 0 \$ - 0 \$ 0 \$ 0 \$					(0.0,0000)	, <del>,</del>	5. 5,. 200					<b>—</b>			-
DA Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.51   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 \$ 2.385   0 \$ - 0 \$ \$ 39 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.30   0 \$ - 0 \$ 50.751.04   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 \$ \$ . 0 \$ \$	_		555,10	0 \$	(10.860.98)	0 \$	- 1	0 \$	(432,71)	0 \$	-	0 \$		0 \$	
Standard					-		597.61		( ,		57.90				-
Standard	38				(11,879.98)				(473.17)				-		-
SUBTOTAL	39		555.30	0 \$	- 1	0 \$	-	0 \$		0 \$	1,984.99	0 \$	-	0 \$	-
RNU & Misc Charges  42 RT Misc Amount 555.25 0 \$ (0.05) 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ 4 A A A A A A A A A A A A A A A A A A			555.42												-
RT Misc Amount				0 \$	(22,740.96)	0 \$	51,951.16	0 \$	(905.88)	0 \$	4,089.41	0 \$	-	0 \$	-
43       RT Net Inadvertent Amount       555.27       0 \$ (3,890.42)       0 \$ 4,302.29       0 \$ - 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 \$ 8.4.66       0 \$ - 0 \$ \$ - 0 \$ \$          45       RT Uninstructed Deviation Amount       555.31       0 \$ - 0 \$ - 0 \$ - 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 \$ -									-		-		-		-
46     RT Demand Response Allocation Uplift Amount     555.59     0 \$ (5,668.92)     0 \$ 10.74     0 \$ - 0					(88,345.11)				(3,520.55)		84.66		-		-
47         DA Ramp Product         555.63         0 \$         -         0 \$         283.00         0 \$         -         0 \$					- (5.000.05)				-		-		-		-
48 RT Ramp Product 555.64 0 \$ (40.95) 0 \$ 387.99 0 \$ - 0 \$ - 0 \$ - 0 \$					(5,668.92)				-		-		-		-
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 \$					- (40.05)				-		-	, , ,	-		-
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 \$			555.65						(3.520.55)		84 66				
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 \$					(101)1-1111)	, , ,	.,		(0,020.00)		5-1.00				-
52 RT ASM Excessive Energy Amount 555.56 (11) \$ (96.80) 87 \$ 7.37 0 \$ - 68 \$ 1,179.97 0 \$ - 0 \$	_		555.55	(48.094) \$	(786.546.85)	16.316 \$	234.002.44	(855) \$	(16.938.59)	15.585 \$	295.214.54	0.8	-	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

					January 2021 Include	es any adjustment	S							
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RE <sup>*</sup>				ASSET BASED					SED WHOLESA	
	Charge Type Description	Acct	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 \$	-
50	TOTAL MISO DAY 2 CHARGES		(505.000) 0	(40 505 004 54)	200 100 4	7 440 505 00	(855) \$	(22.945.48)	17.618 \$	347.310.50	0 S		0 \$	
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		(505,288) \$	(10,527,901.71) (71,184.98)	366,428 \$	7,418,535.06 2,165.25	(855) \$	(22,945.48)	17,618 \$	347,310.50	0 \$	-	0 \$	-
61	Congestion and Losses Adjustment		•	(21,866.13)	Þ	2,165.25								
	No DA generation sch., but still had output for current month		•	(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)	7,410,305.01								
	Retail MWh include losses of 2.8%			Ψ	(3,010,400.73)									
1 "	Tetali WWWT include 1035e3 of 2.070													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	ED TRANSA	CTIONS											
68	NET MISO (Rev-Cost and MWh)								\$	324,365.02			\$	-
69	Less: Fuel Cost								16,759 \$	330,531.12			·	
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								\$	237.47			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE			•	-			-	\$	(6,403.57)		•	\$	-
1 [													-	

#### 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	MWh	Cost	TAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	Cost	BASED WHOLES MWh	Revenue
No.	Day Ahead & Real Time Energy	Acct	1010011	0031		Revenue	1917 9 11	0031		revenue		0031	1414411	Revenue
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 \$		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 \$		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 DA Losses Rebate on Option B GFA	555.08	0 \$ 0 \$	(20,280.49)	0 \$ 0 \$		0 \$	-	0 \$	-	0 \$		0	
12	SUBTOTAL	555.08	0 \$	(1,498,788.64)	0 \$ 0 \$		0 \$	<del></del>	0 \$	-	0 \$		0	
	Virtual Energy		0 3	(1,430,700.04)	0 9	333,000.73	- ,	•	υ ψ	-	0 \$			, -
13	DA Virtual Energy Amount	555.12	0 \$		0 \$		0 \$		0 \$	-	0 \$	_	0	
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$		0 \$	-	0 \$	_	0 \$		0	
15	SUBTOTAL	000.02	0 \$		0 \$		0 \$		0 \$	-	0 \$		ŏ	
	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	555.00	0 \$ 0 \$	-	0 \$ 0 \$		0 \$	-	0 \$	-	0 \$		0	
22 23	RT FBT Congestion Amount	555.20	0 \$	200 024 00	0 \$		0 \$	-	0 \$ 0 \$	-	0 \$		0	
24	RT Congestion FTR Hourly Allocation Amount	555.14	0 \$	320,934.60 (206,760.77)	0 \$		0 \$	-	0 \$	-	0 \$	-	0	*
25	FTR Monthly Allocation Amount	555.14	0 \$	(200,760.77)	0 \$		0 \$	-	0 \$	-	0 \$	-	0	
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0	
27	FTR Monthly Transaction Amount	555.35	0 \$	_	0 \$		0 \$	_	0 \$	_	0 \$	_	0	
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(18,708.58)	0 \$		0 \$	_	0 \$	_	0 \$	-	0	
29	FTR Guarantee Uplift Amount	555.37	0 \$	(45,786.45)	0 \$		0 \$	-	0 \$	-	0 \$	-	0	
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(19,193.99)	0 \$	,	0 \$	-	0 \$	-	0 \$	-	0	
31	FTR Annual Transaction Amount	555.38	0 \$	(404,985.52)	0 \$		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 \$		0 \$	-	0 \$	-	0 \$		0	
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$		0	
35	SUBTOTAL BOOM AND THE PROPERTY OF THE PROPERTY		0 \$	(376,675.32)	0 \$	942,397.02	0 \$		0 \$	-	0 \$		00	\$ -
_	RSG & Make Whole Payments	555.40	2 4	(20.010.20)				(0.005.05)						•
36 37	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$ 0 \$	(38,813.22)	0 \$ 0 \$		0 \$	(2,965.35)	0 \$ 0 \$	-	0 \$		0	
38	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.11 555.29	0 \$	(479,355.45)	0 \$		0 \$	(36,624.73)	0 \$	37.54	0 \$	-	0	
39	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	(41 5,300.40)	0 \$		0 \$	(36,624.73)	0 \$	38,981.24	0 \$		0	
40	RT Price Volatility Make Whole Payment	555.42	0 \$	_	0 \$		0 \$	(1.72)	0 \$	1.146.47	0 \$		0	
41	SUBTOTAL	330.42	0 \$	(518,168.67)	0 \$		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	5 -
43	RT Net Inadvertent Amount	555.27	0 \$	(5,953.85)	0 \$		0 \$	-	0 \$	-	0 \$		0	
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(171,654.40)	0 \$	,	0 \$	(13,114.74)	0 \$	32,310.79	0 \$		0	
45	RT Uninstructed Deviation Amount	555.31	0 \$	<del>.</del> .	0 \$		0 \$	-	0 \$	-	0 \$		0	
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(65,634.17)	0 \$		0 \$	-	0 \$	-	0 \$	-	0	
47	DA Ramp Product	555.63	0 \$	- (404.55)	0 \$	175.56	0 \$	-	0 \$	-	0 \$	-	0	
48	RT Ramp Product	555.64	0 \$	(161.52)	0 \$		0 \$	-	0 \$	-	0 \$		0	•
49 50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$ 0 \$	(4,440.68) (248,602.22)	0 \$ 0 \$		0 \$	(13,114.74)	0 \$ 0 \$	32,310.79	0 \$		0 0	
	ASM Charges		<u> </u>	(240,002.22)	0 \$	421,044.70	0 3	(13,114.74)	U \$	32,310.79	1 3		<u> </u>	, <u>-</u>
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	š -
52	RT ASM Non-Excessive Energy Amount	555.56	(14) \$	(349.52)	43 \$	307.01	0 \$	(.22,710.07)	287 \$	7.057.71	0 \$		0	
53	SUBTOTAL SUBTOTAL	000.00	(61,576) \$	(2,474,733.35)	10,351 \$		(2,435) \$	(122,716.57)	28,914 \$	2,171,538.90			ŏ	

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

					February 2021 Includ	ies any adjustment	is							
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		. ,			ETAIL			ASSET BASED				NON ASSET BA	SED WHOLESA	LE
	Charge Type Description	Acct	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		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		(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)		(5/2,154) \$		400,012 \$	29,991,169.58 894.94	(2,435) \$	(178,430.60)	34,040 \$	3,123,087.75	0 \$	-	0 \$	-
61	Congestion and Losses Adjustment		•	(80,930.21) 32,935.77	•	694.94								
62	No DA generation sch., but still had output for current month			32,935.11										
63	No DA generation sch., but still had output for current month		Ψ	-										
63 64														
65	Total for MN Energy Adjustment Rider		s	(40,111,082.99)	s	29,990,274.64								
66	Net Retail for MN Energy Adjustment Rider		•		\$ (10,120,808.35)									
	Retail MWh include losses of 2.8%													
						•				-				
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSA	CTIONS											
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						1						\$	-
74	Less: Schedule 24 for Asset Based Sales						1		\$	531.82			\$	-
75	TOTAL ACCET NON ACCET DACED WHOLECALE									4 005 070 75	1			
76	TOTAL ASSET or NON ASSET BASED WHOLESALE						1		\$	1,895,976.75	<u> </u>		\$	-
							1							
1	ĺ						1							
$\perp$											1			

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

		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)	(L) ASED WHOLESA	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh MWh	Revenue	MWh	ON ASSET BA	ASED WHOLESA MWh	ALE Revenue
No.	Day Ahead & Real Time Energy	Acct	1000011	0031	INITYTI	Revenue	1414411	0031	1010011	Revenue	1917911	0031	1010011	Revenue
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 \$		0 \$	_	0 \$	-	0 \$	-	0 \$	
3	RT Asset Energy Amount	555.19	(17,945) \$	(950,077.35)	32,118 \$		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 \$		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 \$	(000 704 00)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL Virtual Energy		0 \$	(606,734.93)	0 \$	198,268.92	0 \$	<u> </u>	0 \$	-	0 \$		0 \$	
_		555.40	0.0		0.0		0.0		0.0		0.0		2 0	
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
14 15	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
	Schedules 16 & 17		0 \$	•	0 \$	-	0 \$		<u> </u>	-	U \$		0 \$	-
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 \$		0 \$	(2,882.61)	0 \$	314.61	0 \$	_	0 \$	
18	FTR Mkt Admin Amount	555.13	0 \$	(2.076.16)	0 \$		0 \$	(2,002.01)	0 \$		0 \$	-	0 \$	-
19	SUBTOTAL	000.10	0 \$	(66,977.96)	0 \$		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 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
27	FTR Monthly Transaction Amount	555.35	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(105,397.54)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(141,843.86)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(23,597.32)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(418,799.28)	0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-
32 33	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 DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$ 0 \$	-	0 \$ 0 \$	22,795.69	0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$	-
35	SUBTOTAL SUBTOTAL	333.07	0 S	(301.448.75)	0 \$	1.025.179.60	0 \$	<u>:</u>	0 \$	-	0 \$		0 \$	-
	RSG & Make Whole Payments			,00.,)		,,020, 0.00	, ,							
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 \$		0 \$	-	0 \$	332.08	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(97,256.14)	0 \$		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 \$		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 \$	- (4.440.05)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(4,143.09)	0 \$		0 \$	(00.754.74)	0 \$	40.004.00	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28 555.31	0 \$	(229,997.16)	0 \$	,	0 \$	(33,754.71)	0 \$	16,321.39	0 \$	-	0 \$	-
45 46	RT Uninstructed Deviation Amount	555.31 555.59	0 \$	(42 626 24)	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
46 47	RT Demand Response Allocation Uplift Amount DA Ramp Product	555.59 555.63	0 \$ 0 \$	(43,636.21)	0 \$	703.15 587.87	0 \$	-	0 \$	-	0 \$ 0 \$		0 \$	-
48	RT Ramp Product	555.64	0 \$	(333.81)	0 \$		0 \$	-	0 \$		0 \$	-	0 \$	
48	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(6.198.92)	0 \$	239.30	0 \$	-	0 \$		0 \$	-	0 \$	-
50	SUBTOTAL	000.00	0 \$	(284,309.19)	0 \$	116,765.34	0 \$	(33,754.71)	0 \$	16,321.39	0 \$	<del></del>	0 \$	<del>.</del>
	ASM Charges		- *	,,		,	- <b>V</b>	(,,-,		12,221.00			- •	
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 \$	-

981.63

(52,914.19)

#### Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2021 includes any adjustments (A) (B) (C) (G) (H) ASSET BASED WHOLESALE RETAIL NON ASSET BASED WHOLESALE **Charge Type Description** Acct Cost Grandfathered Charge Types DA Congestion Rebate on COGA 555.05 55 56 555.06 0 \$ DA Losses Rebate on COGA 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ RT Congestion Rebate on COGA 555.22 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ RT Loss Rebate on COGA SUBTOTAL 555.23 59 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 Less Schedule 16 & 17 (Lines 16, 17, 18) (66,977.96) 720.49 Congestion and Losses Adjustment 66,802.10 62 63 No DA generation sch., but still had output for current month (42,249.44) \$ 65 \$ (13,371,171.65) Total for MN Energy Adjustment Rider \$ 10,543,558.76 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 NET MISO (Rev-Cost and MWh) 567,209.26 30,875 \$ Less: Fuel Cost 619,141.82

Less: Misc Cost Adjustment
Plus: Capacity Revenue
Plus: Bilateral Sales
Less: Bilateral Purchases
Less: Schedule 24 for Asset Based Sales

TOTAL ASSET or NON ASSET BASED WHOLESALE

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

		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H) WHOLESALE	(I)	(J)	(K)	(L) SED WHOLESALE	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(377,117) \$	(5,918,073.02)	235,000 \$		0 \$	-	730 \$	17,383.33	0 \$	-	0 \$	
2	DA Non-asset Energy Amount	555.09	0 \$	(419.88)	4,375 \$		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 \$	- (5.000.057.00)	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	-
5	SUBTOTAL		(388,386) \$	(5,822,657.28)	259,440 \$	4,648,636.97	0 \$	<u> </u>	730 \$	17,383.33	0 \$		0 \$	-
	Day Ahead & Real Time Energy Loss	555.04	0.0		0.0		0.0		0.0		0.0		0.0	
6 7	DA FBT Loss Amount	555.04 555.24	0 \$	(4.4.705.54)	0 \$	125.482.11	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Distribution of Losses Amount		0 \$	(14,795.54)	0 \$	125,482.11	0 \$	-	0 \$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount DA Loss Amount	555.21	0 \$ 0 \$	(326,420.54)	0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
10	RT Loss Amount		0 \$	(326,420.54)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	- 1
11	DA Losses Rebate on Option B GFA	555.08	0 \$	(26,192.00)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL	333.06	0 \$	(367,408.08)	0 \$	125,482.11	0 \$	<del></del>	0 \$	-	0 \$	<del></del>	0 \$	
	Virtual Energy		- · ·	(001,400.00)		120,402.11		-		-		-		_
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	000.02	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 \$	- 1	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 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(23,597.32)	0 \$	418,586.68	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31 32	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	555.38 555.40	0 \$ 0 \$	(418,799.28) (551.60)	0 \$ 0 \$	23,821.38	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Inleasible Oplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(00.100)	0 \$	22,795.69	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	22,795.09	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL	555.07	0 \$	(1,457,924.98)	0 \$	2,789,918.03	0 \$	<u>:</u>	0 \$	-	0 \$	<u>:</u>	0 \$	
	RSG & Make Whole Payments		- 1	(1,101,02100)		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
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 \$	(5.5.50)	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 \$	- (470.05)	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 50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$ 0 \$	(6,678.72) (156,059.03)	0 \$ 0 \$	0.08 <b>44,861.54</b>	0 \$ 0 \$	(15,089.02)	0 \$ 0 \$	3,417.01	0 \$	<del></del>	0 \$ 0 \$	<del></del>
	ASM Charges		0 \$	(100,000.03)	0 \$	44,001.04	0 \$	(15,005.02)	0 \$	3,417.01	0 \$		U \$	-
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	555.50	(37,478) \$	(1,346,776.53)	21,958 \$	130,052.37	(644) \$	(324,137.42)	17,867 \$	493,799.57		-	0 \$	
			, , , , , , , , , , , , , , , , , , ,		,			, , , , ,,	/ T	,				

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

	ì				-									
	Î	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Î	( )	` ′	RE	ETAIL	` ′	` '	ASSET BASED	WHOLESALE	`,		NON ASSET BA	SED WHOLESAL	E
	Charge Type Description	Acct	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		(425,865) \$	(9,292,885.31)	281,397 \$	7,901,137.80	(644) \$	(351,217.39)	18,598 \$	546,780.58	0 \$	-	0 \$	-
60			\$	(68,491.93)	\$	452.00								
61			\$	161,698.98										
62	No DA generation sch., but still had output for current month		\$	-										
63	Î													
64	Î													
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 BASE	ED TRANSA	CTIONS											
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										1		\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	712.56	1		\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	(111,475.52)			\$	-
	ı													
	Î													

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

Shedules 16.8.17			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Description   Comparison   Co		Charge Type Description	Acct	MWh			Revenue	MWh				MWh			
2	No.		Acct		0031		Revenue		0031		Revenue		0031		revenue
DA Nose coastal Energy Amenual  505.00 (14.864) 8 (05.706.07) 8 2.08 8 177.26371 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8	1	.,	555.02	(322.181) \$	(6.740.171.43)	199.110 \$	4.295.731.00	0 \$	-	656 S	35,670,96	0 \$		0 \$	-
17   Acad Strong Monard   555,19   (14,146)   1005,706,77   10,00   1,	2				(0,7 10,77 1110)				_		-		-		
FT Reproved Corpury Annual					(205.789.67)				_		_		_		
Symbol Reserved   Section   Sectio	4				-		-		-		-		-		
CA PET Loss Amount	5			(337,046) \$	(6,945,961.10)	211,380 \$	4,567,581.39	0 \$	-	656 \$	35,670.96	0 \$	-	0 \$	-
FT FDRINGMENT Losse Amount		Day Ahead & Real Time Energy Loss													
FT FTE Loss Amount	6	DA FBT Loss Amount		0 \$	-		-		-	0 \$	-	0 \$	-		
DA Loss Amount   DA L	7	RT Distribution of Losses Amount	555.24	0 \$	(5,918.38)	0 \$	98,181.58		-	0 \$	-	0 \$	-	0 \$	-
FT Loss Amount	_		555.21		-		-		-		-		-		
11   DA Losses Rehome an Options BGFA   555.00   0   5   0							-		-		-		-		
Texas	10				14,658.02		-		-		-		-		
Virtual Energy Amount	11		555.08						-		-		-		
DA Vintual Energy Amount				0 \$	(302,344.70)	0 \$	98,181.58	0 \$	<u> </u>	0 \$		0 \$	-	0 \$	-
ATT	_		555.40	2 4		0.0		0.0		0 0				0.0	
SUPPLICATION	13				-		-		-		-		-		
Schedule 18 17	14	SURTOTAL	555.32		-		-						-		
Ten   DA Mar Adman Amount				<u>_</u>		J 9	-			- ,	_	<b>—</b> • •		J \$	
RT Mak Admin Amount			555.01	0 \$	(51.350.46)	0.\$	-	0 \$	(66.06)	0 \$	- 1	0.8	-	0.\$	
FTR. Mis. Anima. Annouses							519.96				1.52		-		
SuBTOTAL							-		(0,100.01)		-		_		
DA FET Congestion Amount	19						519.96		(3,229.70)		1.52		-	0 \$	-
21		Congestion & FTRs													
22   RT FBT Congestion Amount		DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22   FIT Routen Month   565.14   0   5   (272,181.54)   0   8   1,197,513.12   0   5   0   5   0   5   0   5		DA Congestion		0 \$	-		(1,497,593.61)		-	0 \$	-	0 \$	-		
FIR Hourly Allocation Amount		RT FBT Congestion Amount	555.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
FIR Monthly Allocation Amount							-		-		-	0 \$	-		-
FIR Yearly Allocation Amount					(272,181.54)				-		-		-		-
FIT Monthly Transaction Amount					-		181,954.00		-	٠ ٠	-	, , , , , , , , , , , , , , , , , , ,	-	υ ψ	-
FITR Full Funding Guarantee Amount					-		-	° •	-	٠ ٠	-	, , , , , , , , , , , , , , , , , , ,	-	0 \$	-
FIR Guarantee Uplit Amount					<del>-</del>			· •	-	٠ ٠	-		-	0 \$	-
FIR. Auction Revenue Rights Transaction Amount								· •	-	٠ ٠	-	, , , , , , , , , , , , , , , , , , ,	-	υ ψ	-
FTR Annual Transaction Amount									-		-		-		-
Second Series   First Auction Revenue Rights Indeasible Uplith Amount   555.40   0 \$ (551.60)   0 \$   0 \$ 2.795.69   0 \$   0									-		-	, , ,	-		-
Section   Sect							23,821.38		-	٠ ٠	-	, , ,	-	υ ψ	-
DA Congestion Rebate on Option B GFA   555.07   0 \$					(551.60)		22 705 60		-	v v	-		-		
SUBTOTAL					-		22,795.09		-		-		-		
RSG & Make Whole Payments			333.07		(1.043.864.51)		2.629.001.91		-		-		-		-
36   DA Revenue Sufficiency Guarantee Distribution Amount   555.10   0 \$ \$ (11,574.30)   0 \$ 0.20   0 \$ (897.44)   0 \$ - 0 \$ - 0 \$ \$ 3 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.11   0 \$ - 0 \$ 5,947.69   0 \$ 5,947.69   0 \$ \$ (2,096.03)   0 \$ 40.34   0 \$ - 0 \$ \$ 3 RT Revenue Sufficiency Guarantee First Pass Distribution Amount   555.20   0 \$ (27,031.13)   0 \$ 522.45   0 \$ (2,096.03)   0 \$ 40.34   0 \$ - 0 \$ \$ 3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.30   0 \$ - 0 \$ 0 \$ 0.35   0 \$ (0.35)   0 \$ 169,321.10   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.30   0 \$ - 0 \$ 0 \$ 0.35   0 \$ (0.35)   0 \$ 169,321.10   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.40   0 \$ (2.090.03)   0 \$ (0.35)   0 \$ 169,321.10   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.40   0 \$ (2.090.03)   0 \$ (0.35)   0 \$ 169,321.10   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.40   0 \$ (2.090.03)   0 \$ (0.35)   0 \$ 169,321.10   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.40   0 \$ (2.090.03)   0 \$ (0.35)   0 \$ 169,321.10   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.27   0 \$ (4.079.24)   0 \$ 6,497.10   0 \$ (2.993.93)   0 \$ 175,355.63   0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.27   0 \$ (4.079.24)   0 \$ 6,497.10   0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.27   0 \$ (4.079.24)   0 \$ 6,497.10   0 \$ - 0 \$ - 0 \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.27   0 \$ (4.079.24)   0 \$ 6,497.10   0 \$ (6.947.10   0 \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.27   0 \$ (4.079.24)   0 \$ 6,497.10   0 \$ 1 S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.51   0 \$ (4.079.24)   0 \$ 10 \$ 10 \$ S RT Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.61   0 \$ 0 \$ (4.979.24)					(1,111,111,111,11		_,							- ,	
37   DA Revenue Sufficiency Guarantee Make Whole Pymt Amount   555.11   0 \$	36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(11.574.30)	0 \$	0.20	0 \$	(897,44)	0 \$	-	0 \$	-	0 \$	-
Second Part					-				- '		66.01		-		
A0		RT Revenue Sufficiency Guarantee First Pass Distribution Amount		0 \$	(27,031.13)		522.45		(2,096.03)			0 \$	-	0 \$	-
SUBTOTAL					- '		-		(0.35)				-		
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 \$ -		RT Price Volatility Make Whole Payment	555.42										-		
RT Misc Amount		SUBTOTAL		0 \$	(38,607.45)	0 \$	82,910.80	0 \$	(2,993.93)	0 \$	175,355.63	0 \$	-	0 \$	-
43       RT Net Inadvertent Amount       555.27       0 \$ (4,079.24)       0 \$ 6,497.10       0 \$ - 0 \$ - 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 \$ - 0 \$          45       RT Uninstructed Deviation Amount       555.51       0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$        0 \$ - 0 \$ - 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 \$ - 0 \$ - 0 \$        0 \$ - 0 \$          47       DA Ramp Product       555.63       0 \$ (265.66)       0 \$ 202.80       0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$        0 \$ - 0 \$ \$ - 0 \$ \$ - 0 \$ \$ - 0 \$ \$ - 0 \$ \$          48       RT Ramp Product       555.64       0 \$ (265.66)       0 \$ 202.80       0 \$ - 0 \$ - 0 \$ - 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 555.59 0 \$ (4,929.07) 0 \$ 58.14 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ 5 - 0 \$									-		-		-		
45 RT Uninstructed Deviation Amount 555.31 0 \$ (4,929.07) 0 \$ 55.14 0 \$ - 0 \$ - 0 \$ - 0 \$ 46 RT Demand Response Allocation Uplift Amount 555.59 0 \$ (4,929.07) 0 \$ 55.14 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ 5 - 0 \$ \$ - 0 \$ 5 - 0 \$ \$ - 0 \$ 5 - 0 \$ \$ - 0 \$ 5 - 0 \$ \$									(0.046.70)		916.45		-		
46     RT Demand Response Allocation Uplift Amount     555.59     0     \$     (4,929.07)     0     \$     58.14     0     \$     -     0     \$     -     0     \$       47     DA Ramp Product     555.63     0     \$     -     0 <t< td=""><td></td><td></td><td></td><td></td><td>(115,307.08)</td><td></td><td>10,525.34</td><td></td><td>(8,946.72)</td><td></td><td>810.15</td><td></td><td>-</td><td></td><td>-</td></t<>					(115,307.08)		10,525.34		(8,946.72)		810.15		-		-
47         DA Ramp Product         555.63         0 \$					(4 020 0 <del>7</del> )		50 14		-		<u> </u>		-		· ·
48 RT Ramp Product 555.64 0 \$ (265.66) 0 \$ 202.80 0 \$ - 0 \$ - 0 \$ - 0 \$ \$ - 0					(4,929.07)						<u> </u>		-		
49         RT Schedule 49 Cost Distribution Amount         555.65         0         \$ (7,311.45)         0         \$         0					(265.66)				-		: I		-		
SUBTOTAL   0 \$ (131,967.77)   0 \$ 17,727.58   0 \$ (8,946.72)   0 \$ 816.15   0 \$ - 0 \$							202.00		-		<u> </u>		-		
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 \$			555.55				17,727.58		(8,946.72)		816.15		-		
52 RT ASM Excessive Energy Amount 555.56 (187) \$ (2,762.49) 103 \$ 40.34 0 \$ - 0 \$ - 0 \$				<u> </u>					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			·		,	
	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 \$	-
53 SUBTOTAL (36,513) \$ (761,868.12) 9,712 \$ 115,613.79   (287) \$ (14,480.18) 30,868 \$ 574,542.40   0 \$ - 0 \$	52		555.56								-				
	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)	(1)	(J)	(K)	(L)	(M)
		( )	(-/	RET		(=/	(-7	ASSET BASED		C7	(4)		SED WHOLESALE	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54		555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55		555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56		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 \$	-
			(373,559) \$	(9,285,591.09)	221,092 \$	7,511,537.01	(287) \$	(29,650.53)	31,525 \$	786,386.66	0 \$	-	0 \$	-
60			\$	(60,977.44)	\$	519.96								
61			\$	136,230.48										
62	No DA generation sch., but still had output for current month		\$	-										
63 64														
64														
65			\$	(9,360,844.13)	\$	7,511,017.05								
66				\$	(1,849,827.08)									
67	Retail MWh include losses of 2.8%													
_	IADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	TO ANO A	STIONS											
-00		ED IRANSA	J I IUNS							750 700 40			•	
68									31.234 \$	756,736.13			\$	-
69									31,234 \$	672,934.45				
70									\$	-			\$	-
71													\$	-
72 73	Pius: Bilateral Sales Less: Bilateral Purchases												\$	-
										445.05			\$	-
74 75									\$	445.85			\$	-
76							-		•	83,355.83	<b>+</b>		•	_
76	TOTAL ASSLT OF NON ASSLT BASED WHOLESALE								· ·	05,555.65	1		•	-
1														
	ı										1			

#### 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) SED WHOLESALI	(M)
	Charge Type Description	Acct	MWh	Cost	Γ <u>AIL</u> MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	Cost	SED WHOLESALI MWh	Revenue
No	Day Ahead & Real Time Energy	Acci	IWIWVII	COST	WIWWII	Revenue	IVIVVII	CUSI	IVIVVII	Kevenue	IVIVVII	Cost	WIVVII	Revenue
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	s -	0 \$	
2	DA Non-asset Energy Amount	555.09	0 \$	(11,202,000.00)	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 \$	(700.050.07)	0 \$	-	0 \$	-	0 \$	-	0		0 \$	-
12	SUBTOTAL		0 \$	(760,353.87)	0 \$	240,997.59	0 \$	<u> </u>	0 \$	-	0	\$ -	0 \$	
	Virtual Energy	555.40	0 0		0 6		0.6		0 6		0	r	0 ¢	
13 14	DA Virtual Energy Amount	555.12 555.32	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-	0		0 \$ 0 \$	-
15	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$	-	0 \$	-	0 \$ 0 \$		0 \$	-	0		0 \$	
	Schedules 16 & 17		<b>5</b> 3		J 3	-	0 \$	-	U \$	-	<b>—</b> "	· ·	<b>J</b> 3	-
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 \$	1,202.00	0 \$	(0,070.02)	0 \$	- 1.42	0		0 \$	_
19	SUBTOTAL	000.10	0 \$	(72,629.81)	0 \$	1,252.36	0 \$	(5,607.49)	0 \$	1.42	Ö		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 \$	<del>-</del>	0 \$	-	0 \$	-	0	*	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(110,785.04)	0 \$	136,202.33	0 \$	-	0 \$	-	0	5 -	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(136,202.33)	0 \$	111,181.75	0 \$	-	0 \$	-	0	5 -	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(156,503.61)	0 \$	2,449,979.28	0 \$	-	0 \$	-	0	~	0 \$	-
31 32	FTR Annual Transaction Amount	555.38	0 \$ 0 \$	(2,431,574.99)	0 \$ 0 \$	156,132.03	0 \$	-	0 \$	-	0	•	0 \$ 0 \$	-
33	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	555.40 555.41	0 \$	(17,239.93)	0 \$	70,355.00	0 \$	-	0 \$	-	0		0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	70,355.00	0 \$		0 \$	-	0		0 \$	
35	SUBTOTAL	333.07	0 \$	(4.595,015,32)	0 \$	6,375,412.63	0 \$	-	0 \$	-	0		0 \$	-
-	RSG & Make Whole Payments			(1,000,01000)		.,,						<del>.</del>		
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(7,223.19)	0 \$	0.51	0 \$	(1,193.63)	0 \$	0.03	0	s -	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 44	RT Net Inadvertent Amount	555.27 555.28	0 \$ 0 \$	(7,518.52)	0 \$ 0 \$	8,173.37 9,771.80	0 \$ 0 \$	(24 472 70)	0 \$ 0 \$	1,614.82	0		0 \$ 0 \$	-
44	RT Revenue Neutrality Uplift Amount RT Uninstructed Deviation Amount	555.28 555.31	0 \$	(129,930.05)	0 \$	9,771.80	0 \$	(21,473.72)	0 \$	1,014.82	0	•	0 \$	-
45 46	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	555.31 555.59	0 \$	(14,100.48)	0 \$	107.52	0 \$	-	0 \$	-	0	•	0 \$	-
46	DA Ramp Product	555.63	0 \$	(14,100.48)	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 \$	551.12	0 \$	-	0 \$		0		0 \$	
50	SUBTOTAL	555.55	0 \$	(163,668.24)	0 \$	23,064.15	0 \$	(21,473.72)	0 \$	1,614.82			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)
		. ,		RE	ETAIL			ASSET BASED	WHOLESALE			NON ASSET BA	SED WHOLESAL	E
	Charge Type Description	Acct	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		(486,415) \$	(19,569,862.71)	356,882 \$		(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%													
ш	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BAS	D TDANCA	CTIONIC											
		ED TRANSAC	CHONS							4 700 747 00				
68	NET MISO (Rev-Cost and MWh) Less: Fuel Cost								54.567.6	1,790,747.06 1,298.661.32			\$	-
69									54,567 \$	1,290,001.32				
70	Less: Misc Cost Adjustment								\$	-			\$	-
71	Plus: Capacity Revenue Plus: Bilateral Sales												\$	-
72 73	Pius: Bilateral Sales Less: Bilateral Purchases												\$	-
									_				\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	845.94			\$	-
75	TOTAL ASSET or NON ASSET BASED WHOLESALE									491,239.80				
76	TOTAL ASSET OF NON ASSET BASED WHOLESALE						+			491,239.80	1		•	-
							1				1			
							1				1			

# 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	MWh	Cost	ΓAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	Cost	SED WHOLESALI MWh	E Revenue
No. E	Day Ahead & Real Time Energy	ACCI	IVIVVII	COST	IVIVVII	Revenue	IVIVVII	COST	IVIVVII	Revenue	IVIVVII	Cost	IVIVVII	Kevenue
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	s -	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$	(12,010,000.00)	3,831 \$		0 \$	_	0 \$	-	0		0 \$	
3	RT Asset Energy Amount	555.19	(14,853) \$	(190,432.46)	16,982 \$		0 \$	-	0 \$	-	0		0 \$	
4	RT Non-Asset Energy Amount	555.26	0 \$	- 1	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 \$	-
	ay 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 \$	-
12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$ 0 \$	(810,705.22)	0 \$ 0 \$	283.726.77	0 \$ 0 \$		0 \$ 0 \$	-	0		0 \$ 0 \$	•
	SUBTOTAL Virtual Energy		0 \$	(810,705.22)	0 \$	203,726.77	0 \$		0 \$	-	0	-	0 \$	-
13	DA Virtual Energy Amount	555.12	0 \$		0 \$		0 \$		0 \$	-	0	e .	0 \$	_
14	RT Virtual Energy Amount	555.32	0 \$		0 \$	<u> </u>	0 \$		0 \$	<u> </u>	0		0 \$	
15	SUBTOTAL	JJJ.JZ	0 \$		0 \$	-	0 \$	-	0 \$	-			0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(48,584.57)	0 \$	- 1	0 \$	(2,089.21)	0 \$	- 1	0 :	ŝ -	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 \$	-
C	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 28	FTR Monthly Transaction Amount	555.35 555.36	0 \$ 0 \$	(114.454.97)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0	*	0 \$	-
28	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	555.36 555.37	0 \$	(114,454.97)	0 \$ 0 \$	12,168.97 114.454.97	0 \$	-	0 \$ 0 \$	-	0 :	*	0 \$	-
30	FTR Guarantee Oplit Amount FTR Auction Revenue Rights Transaction Amount	555.39		(12,168.97)	0 \$	2.449.979.28	0 \$	-	0 \$	-	0	•	0 \$	-
31	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	555.38	0 \$ 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 \$	130,132.03	0 \$		0 \$		0	~	0 \$	
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(17,239.93)	0 \$	70.355.00	0 \$		0 \$		0	~	0 \$	
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	70,333.00	0 \$	-	0 \$	_	0	•	0 \$	_
35	SUBTOTAL	000.07	0 \$	(3,257,018.60)	0 \$	3,474,409.70	0 \$	-	0 \$	-	Ö	š -	0 \$	-
F	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 \$	- (404 000 40)	0 \$	30,346.99	0 \$	-	0 \$	5,615.92	0		0 \$	
41	SUBTOTAL RNU & Misc Charges		0 \$	(161,323.40)	0 \$	31,668.88	0 \$	(30,060.32)	0 \$	274,967.89	0		0 \$	-
42		555.25	0 *	(6.00)	0.0	675.04	0.0		0 6			•	0 *	
42	RT Misc Amount RT Net Inadvertent Amount	555.25 555.27	0 \$ 0 \$	(6.96) (6,019.75)	0 \$ 0 \$	675.21 14,057.91	0 \$ 0 \$		0 \$ 0 \$		0 :		0 \$ 0 \$	
43	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	555.26	0 \$	(40,020.00)	0 \$	5,522.00	0 \$	(5,104.00)	0 \$	1,701.07	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 \$	-
	SM 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 :	<b>-</b>	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)	(1)	(J)	(K)	(L)	(M)
					TAIL		L	ASSET BASED					SED WHOLESAL	
	Charge Type Description	Acct	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 3		0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$	-	0	\$ -	0 5	~	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0	\$ -	0 3	~	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0	\$ -	0 9		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 \$		0 \$	_
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		(447,704) \$	(58,568.68)	303,100	\$ 16,062,361.25 \$ 160.04	(2,409)	ş (140,500.91)	09,009 \$	2,600,066.76	0 \$		U \$	
61	Congestion and Losses Adjustment		, v	(37.05)		φ 100.0 <del>4</del>								
62	No DA generation sch., but still had output for current month		¥	(37.03)										
62	No ba 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)	Ψ 10,00 <u>1,1</u> 01.11								
	Retail MWh include losses of 2.8%			•	(2,300,212.00)									
0.	Total III II I													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	CTIONS											
68	NET MISO (Rev-Cost and MWh)								\$	2,451,479.87			\$	-
69	Less: Fuel Cost								67,335 \$	2,127,077.60				
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			\$	-
ш														

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

		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)	(L) SED WHOLESAL	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy	Acct	1010011	0031		revenue		0031	1917411	Revenue		0031	1414411	revenue
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 \$		0 \$	_	0 \$	-	0 \$	-	0 \$	
3	RT Asset Energy Amount	555.19	(15,900) \$	(351,869.56)	20,352 \$		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 \$	
12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$	(904,811.59)	0 \$ 0 \$	333,207.37	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$		0 \$ 0 \$	
	/irtual Energy		0 \$	(904,811.59)	U \$	333,207.37	0 \$		0 \$	-	0 \$		U \$	-
13	DA Virtual Energy Amount	555.12	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
1.4	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
15	SUBTOTAL	JJJ.JZ	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
	Schedules 16 & 17				<u> </u>		, ,		- ,					
16	DA Mkt Admin Amount	555.01	0 \$	(51,385.31)	0 \$	- 1	0 \$	(1,912.37)	0 \$	- 1	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 \$	<del>-</del>	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 26	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 \$	-
28	FTR Monthly Transaction Amount	555.35 555.36	0 \$	(26,484.85)	0 \$ 0 \$	118,688.56	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	555.37	0 \$	(26,484.85)	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 \$	130,132.03	0 \$		0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(17,200.00)	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 SUBTOTAL	555.42	0 \$ 0 \$	(3.98) (108,119.70)	0 \$	56,676.41 <b>76,889.41</b>	0 \$	(0.50) (16,215.39)	0 \$ 0 \$	7,271.48 100,015.25	0 \$		0 \$	
	RNU & Misc Charges		U \$	(100,119.70)	0 \$	10,003.41	0 \$	(10,215.39)	U \$	100,015.25	0 \$		0 \$	-
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 \$	(=,====50)	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 \$	- 1	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 \$ 10.449 \$	421.12 <b>246.746.14</b>	0 \$	(138.581.89)	18 \$ 25.520 \$	354.85 <b>764.970.28</b>	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 \$	-

\$ 557,777.51

					Otter Tail Por Detail of MISO Day August 2021 includ									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
					ETAIL			ASSET BASED					SED WHOLESAL	
		Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54		55.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	\$ -	0 \$	-
55		55.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	\$ -	0 \$	-
56		55.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	\$ -	0 \$	-
57		55.23	0 \$	•	0 \$	-	0 \$	-	0 \$	-	0	\$ -	0 \$	-
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	-	0 \$	-
	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)		(4/4,643) \$	(61,993.83)	3/0,5/6 \$	360.93	(6,454) \$	(168,269.60)	52,814 \$	2,130,500.90		-	U \$	-
61	Congestion and Losses Adjustment		•	(30,471.64)	¥	360.93								
62	No DA generation sch., but still had output for current month		e e	(00,47 1.04)										
63	No DA generation sent, but still had output for current month		•											
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 T	RANSAC	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	1,970,317.30			\$	-
69	Less: Fuel Cost								46,217 \$	1,411,825.87	1		_	
70	Less: Misc Cost Adjustment								\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72 73	Plus: Bilateral Sales Less: Bilateral Purchases												<b>\$</b>	
74	Less: Schedule 24 for Asset Based Sales									713.92			•	-
74	Less. Scriedule 24 for Asset Dased Sales								Þ	/13.92			Þ	-

TOTAL ASSET or NON ASSET BASED WHOLESALE

#### 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) SED WHOLESAL	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy	Acct	1414411	0031		revenue		0031		Revenue		0031		revenue
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 S	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$	-	3.913 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
3	RT Asset Energy Amount	555.19	(24,614) \$	(509,718.37)	44,464 \$		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 \$	
12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$	(774,724.56)	0 \$ 0 \$	254,228.56	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$		0 \$ 0 \$	
	Virtual Energy		0 \$	(774,724.56)	U \$	254,228.56	0 \$		U \$	-	0 \$		U \$	-
13	DA Virtual Energy Amount	555.12	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
1.4	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
15	SUBTOTAL	ეეე.ე2	0 \$	<del> </del>	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	
	Schedules 16 & 17				<u> </u>									
16	DA Mkt Admin Amount	555.01	0 \$	(47,854.39)	0 \$	- 1	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 \$	(440.044.50)	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28 29	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	555.36	υ ψ	(118,344.59)		246,840.95 118,344.59	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.37 555.39	0 \$ 0 \$	(246,840.95) (144,863.64)	0 \$ 0 \$	1,667,945.83	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	555.38	0 \$	(1,656,529.84)	0 \$ 0 \$	1,667,945.83	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Aution Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(18,656.65)	0 \$	144,902.74	0 \$		0 \$		0 \$	-	0 \$	
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(10,030.03)	0 \$	93,475.47	0 \$		0 \$	_	0 \$	_	0 \$	
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	55,475.47	0 \$		0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL	000.01	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 RNU & Misc Charges		0 \$	(91,784.94)	0 \$	54,259.96	0 \$	(55,040.14)	0 \$	43,770.12	0 \$	-	0 \$	-
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 \$	(110,040.00)	0 \$	5,555.55	0 \$	(10,003.12)	0 \$	552.02	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 \$	(20,002.00)	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

	ì				-									
	ı	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Î	. ,		RE	TAIL			ASSET BASED	WHOLESALE			NON ASSET BA	SED WHOLESALI	E
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54		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		(386,314) \$		364,438	\$ 15,995,128.72	(12,772) \$	(432,577.62)	72,068 \$	2,179,912.82	0 \$	-	0 \$	-
60			\$	(59,179.05)		\$ 821.64								
61			\$	139,552.75										
62	No DA generation sch., but still had output for current month		\$	(6,075.56)										
63	Ì													
64	Ì													
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 BASE	ED TRANSAG	CTIONS											
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					l	1						\$	-
74	Less: Schedule 24 for Asset Based Sales						1		\$	954.57			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	193,117.95			\$	-
	Î													
	ı					l								

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

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L) SED WHOLESAL	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No	Day Ahead & Real Time Energy	Acci	IVIVVII	COST	WWWII	Kevenue	IVIVVII	CUSI	IVIVVII	Revenue	IVIVVII	COST	IVIVVII	Revenue
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	s -	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$	(10,021,010.00)	3.680 \$	158.806.00	0 \$	_	0 \$	202,770.07	o	•	0 \$	
3	RT Asset Energy Amount	555.19	(33,013) \$	(720,150.16)	24,539 \$		0 \$	_	0 \$	_	ő		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 \$	(750 000 45)	0 \$	-	0 \$	-	0 \$	-	0		0 \$ 0 \$	
12	SUBTOTAL Virtual Energy		0 \$	(752,823.45)	0 \$	242,941.22	0 \$	<u> </u>	0 \$	-	0	\$ -	0 \$	
		555.40	0 0		0 6		0.6		0 6		0	•	0 6	
13	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-	0		0 \$ 0 \$	
15	SUBTOTAL	555.32	0 \$	<del></del>	0 \$		0 \$		0 \$		0		0 \$	
13	Schedules 16 & 17			-	, ,	-						· ·		-
16	DA Mkt Admin Amount	555.01	0 \$	(43,660.46)	0 \$		0 \$	(360.53)	0 \$		0	s -	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 \$	1,172.12	0 \$	(1,032.10)	0 \$	204.17	0		0 \$	
19	SUBTOTAL	000.10	0 \$	(52,882.98)	0 \$	1,172.12	0 \$	(2,252.69)	0 \$	284.17			0 \$	
	Congestion & FTRs				·	,							<u> </u>	
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	Ŧ	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0	*	0 \$	-
27	FTR Monthly Transaction Amount	555.35	0 \$	<del>.</del>	0 \$	2,157,683.12	0 \$	-	0 \$	-	0	Ŧ	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	Ť.	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(144,863.64)	0 \$	1,667,945.83	0 \$	-	0 \$	-	0	Ÿ	0 \$	-
31 32	FTR Annual Transaction Amount	555.38	0 \$ 0 \$	(1,656,529.84)	0 \$ 0 \$	144,982.74	0 \$	-	0 \$ 0 \$	-	0	•	0 \$ 0 \$	-
33	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	555.40 555.41	0 \$	(18,656.65)	0 \$	93,475.47	0 \$	-	0 \$	-	0		0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	93,475.47	0 \$		0 \$	-	0		0 \$	
35	SUBTOTAL	555.07	0 \$	(2,858,290.70)	0 \$	5.139.028.14	0 \$	<u>-</u>	0 \$	-	0		0 \$	
	RSG & Make Whole Payments		- ,	(=,==,====)		0,100,000			- ,			<u>,                                      </u>		
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(15,629.02)	0 \$		0 \$	(761.89)	0 \$	-	0	s -	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 \$	- (0.070.55)	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 \$	- (54.000.4.1)	0 \$	-	0 \$	-	0 \$	-	0	•	0 \$	
46 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(54,902.14)	0 \$	1,286.79	0 \$	-	0 \$	-	0	•	0 \$	-
47 48	DA Ramp Product	555.63	0 \$	(744.47)	0 \$	5,062.89	0 \$ 0 \$	-	0 \$	-	0	Ψ	0 \$	-
48	RT Ramp Product	555.64	0 \$ 0 \$	(711.17)	0 \$	2,980.77		-	0 \$	-	0		0 \$	
50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$	(7,528.42) (203,345.07)	0 \$ 0 \$	34,778.09	0 \$	(6,679.60)	0 \$ 0 \$	505.11			0 \$	
50	ASM Charges		0 3	(203,343.07)	0 3	34,770.03		(0,073.00)	U \$	303.11		· -	0 3	-
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	s -	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) \$		22,173 \$	456,500.74	(2,775) \$	(144,222.95)	15,657 \$				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)
		. ,		RE	ETAIL			ASSET BASED	WHOLESALE			NON ASSET BA	SED WHOLESAL	E
	Charge Type Description	Acct	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 5	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 3	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 3	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 3	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL		0 \$	-	0 :	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	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 BASE	D TRANSAC	CTIONS											
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			\$	-
I														

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

		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)	(L) SED WHOLESAL	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy	71001		000.		110101100		700.		110101140		7001		110101140
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 \$	-
	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 \$	-
12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$	(1,060,643.64)	0 \$ 0 \$	292,745.08	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$		0 \$ 0 \$	-
	Virtual Energy		0 \$	(1,060,643.64)	U \$	292,745.08	0 \$		0 \$	-	0 \$		U \$	-
_	<u> </u>	555.12	0 ¢		0 0		0.6		0 6		0.6		0 0	
13	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-
15	SUBTOTAL	555.32	0 \$	<u> </u>	0 \$		0 \$	<del></del>	0 \$		0 \$	<del></del>	0 \$	-
	Schedules 16 & 17			-	J 4				, ,	-	_ ,		J \$	,
16	DA Mkt Admin Amount	555.01	0 \$	(58,897.09)	0 \$	- 1	0 \$	(131.40)	0 \$	- 1	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 \$	-
	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 \$	<del>-</del>	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 31	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 \$ 0 \$	144,982.74	0 \$ 0 \$	-	0 4	-	0 \$	-	υ ψ	-
33	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(18,656.65)	0 \$	93,475.47	0 \$	-	0 \$ 0 \$	-	0 \$	-		-
34	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$ 0 \$	-	0 \$	93,475.47	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL	555.07	0 \$	(2,889,480.05)	0 \$	4,971,357.21	0 \$		0 \$	-	0 \$		0 \$	-
	RSG & Make Whole Payments			(2,000,100.00)		1,011,001.21	, ,				- ,			
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 \$	- 1	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 \$	
	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 46	RT Uninstructed Deviation Amount	555.31	0 \$	- (E0 400 00)	0 \$	0.704.44	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$ 0 \$	(59,420.80)	0 \$	3,761.14	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	
47	DA Ramp Product RT Ramp Product	555.63 555.64	0 \$	(91.90)	0 \$ 0 \$	215.31 937.79	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	
48	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(91.90) (5,145.61)	0 \$	937.79	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL	500.00	0 \$	(5,145.61)	0 \$	24,992.01	0 \$	(18,636.85)	0 \$	185.77			0 \$	
	ASM Charges			(404,202.03)	J 4	24,552.01		(10,000.00)	, ,	100.77	_ ,		J \$	
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

						adoo any adjaotimo								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		()	(-/	RE'		(=/	(* /		WHOLESALE	(-7	(=)	NON ASSET BA	SED WHOLESALE	
	Charge Type Description	Acct	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 \$	-
							(222)	(=			<b>.</b>			
	TOTAL MISO DAY 2 CHARGES		(523,211) \$		322,018 \$	20,756,288.08	(390) \$	(74,441.80)	14,725 \$	726,868.45	0 \$	-	0 \$	-
60 61	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(70,230.78) 49,025.70	\$	957.38								
62	Congestion and Losses Adjustment  No DA generation sch., but still had output for current month		a a											
63	No DA generation Sch., but Still had output for current month		Þ	(36,883.29)										
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)	20,700,000.70								
67	Retail MWh include losses of 2.8%			•	(3,430,331.00)									
1														
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	CTIONS											
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) SED WHOLESALI	(M)
	Charge Type Description	Acct	MWh	Cost	Γ <u>AIL</u> MWh	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	Cost	SED WHOLESALI MWh	Revenue
No	Day Ahead & Real Time Energy	ACCI	IVIVVII	COST	WIWWII	Kevenue	WIVVII	COST	IVIVVII	Kevenue	IVIVVII	COST	WIVVII	Revenue
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	s -	0 \$	
2	DA Non-asset Energy Amount	555.09	0 \$	(20,000,000.00)	5.382 \$		0 \$	_	0 \$	-	0	•	0 \$	
3	RT Asset Energy Amount	555.19	(51,051) \$	(972,533.79)	26,404 \$		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 \$ 0 \$	-
12	SUBTOTAL Virtual Energy		0 \$	(1,076,724.11)	0 \$	455,939.10	0 \$	<u> </u>	0 \$		0	-	0 \$	
		555.40	0 ¢		0 6		0 6		0 6		0	r	0 ¢	
13	DA Virtual Energy Amount RT Virtual Energy Amount	555.12 555.32	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-	0		0 \$ 0 \$	-
15	SUBTOTAL	555.32	0 \$	<del></del>	0 \$		0 \$	<u> </u>	0 \$		0		0 \$	
10	Schedules 16 & 17		0 \$		U \$	-		•	<u> </u>	-		· ·	<b>J</b> 3	-
16	DA Mkt Admin Amount	555.01	0 \$	(72,896.15)	0 \$		0 \$	(1,036.46)	0 \$	. 1	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 \$	(2,400.02)	0 \$		0		0 \$	-
19	SUBTOTAL	000.10	0 \$	(87,099.92)	0 \$	1,346.62	0 \$	(3,490.38)	0 \$	4.86			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	7	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 33	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(7,375.79)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0		0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$ 0 \$	-	0 \$ 0 \$	66,453.08	0 \$	-	0 \$	-	0		0 \$ 0 \$	-
35	SUBTOTAL	333.07	0 \$	(3,502,291.72)	0 \$	7,993,910.16	0 \$		0 \$	-	0		0 \$	
	RSG & Make Whole Payments			(0,002,201112)		1,000,010.10	, ,					*		
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(14,137.42)	0 \$		0 \$	(1,075.04)	0 \$		0	s -	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 \$	- (40.400.55)	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 \$	- (40, 400, 0=)	0 \$	-	0 \$	-	0 \$	-	0	•	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(48,438.87)	0 \$	312.64	0 \$	-	0 \$	-	0	•	0 \$	-
47 48	DA Ramp Product	555.63	0 \$	(4.000.04)	0 \$	6,554.39	0 \$ 0 \$	-	0 \$	-	0	~	0 \$	-
48 49	RT Ramp Product	555.64	0 \$ 0 \$	(1,360.84)	0 \$	2,377.16		-	0 \$	-	0		0 \$	-
50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$	(7,159.89) (244,862.48)	0 \$ 0 \$	38,821.02	0 \$	(13,106.90)	0 \$	401.05			0 \$ 0 \$	
50	ASM Charges		0 \$	(244,002.40)	U \$	30,021.02	1 ,	(13,100.90)	U \$	401.05	,	· ·	U \$	-
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 \$	- 1
53	SUBTOTAL		(43,576) \$		25,775 \$	681,900.11	(3,240) \$	(66,030.15)	20,713 \$	810,309.91			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)	(1)	(J)	(K)	(1)	(M)
		(74)	(5)	RE'		(E)	(1)	ASSET BASED			(0)		SED WHOLESALE	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types													
54		555.05	0 \$	-	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
55		555.06	0 \$	-	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
56		555.22	0 \$	-	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57		555.23	0 \$	-	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL		0 \$	-	0	\$ -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
			(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			\$	(87,099.92)		\$ 1,346.62								
61			\$	226,540.73										
62	No DA generation sch., but still had output for current month		\$	-										
63 64														
64														
65			\$	(34,816,312.63)		\$ 25,802,881.81								
66	Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$	(9,013,430.82)									
67	Retail MVVN include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	ED TRANSA	CTIONS											
68									\$	1,278,811.78			\$	-
69	Less: Fuel Cost								29,125 \$	720,028.68				
70									\$	-			\$	-
71													\$	-
72													\$	-
73													\$	-
74									\$	498.58			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	558,284.52			\$	-
1														

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

1 2 3 4 4 5 Day Ahe 6 7 8 9 9 10 11 12 Virtual I 13 14 15 Schedu 16 17 18 19 Conges 20 21	Charge Type Description  nead & Real Time Energy  DA Asset Energy Amount  DA Non-asset Energy Amount  RT Asset Energy Amount  RT Non-Asset Energy Amount  SUBTOTAL  DA FBT Loss Amount  RT Distribution of Losses Amount  RT FBT Loss Amount  RT FBT Loss Amount  RT FBT Loss Amount  RT FBT Loss Amount  DA Loss Amount  RT Loss Amount  DA Loss Amount  DA Loss Amount  DA Losses Rebate on Option B GFA  SUBTOTAL  Energy  DA Virtual Energy Amount  RT Virtual Energy Amount	555.02 555.09 555.19 555.26 555.04 555.24 555.21	0 \$ (312,275) \$ (16) \$	Cost (173,186,324.58) (419.88) (8,194,173.83) (671.23) (181,381,589.52)	52,284 \$ 245,610 \$ 0 \$		0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	(29,911.31) - - (29,911.31)	MWh  152,606 \$ 0 \$ 0 \$ 0 \$ 152,606 \$	6,616,059.37 - -	0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	Cost	ASED WHOLESA MWh  0 \$ 0 \$ 0 \$ 0 \$	Revenue -
1 2 3 4 5 Day Ahd 6 6 7 8 9 10 111 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	DA Asset Energy Amount DA Non-asset Energy Amount RT Asset Energy Amount RT Non-asset Energy Amount RT Non-Asset Energy Amount SUBTOTAL DEAD ASSET CONTROL DEAD ASSET	555.02 555.09 555.19 555.26 555.24 555.24 555.21	(4,837,162) \$ 0 \$ (312,275) \$ (16) \$ (5,149,453) \$	(173,186,324.58) (419.88) (8,194,173.83) (671.23) (181,381,589.52)	3,613,979 \$ 52,284 \$ 245,610 \$ 0 \$ 3,911,874 \$	128,609,055.58 1,843,301.16 8,431,637.00	0 \$ 0 \$ 0 \$ 0 \$	(29,911.31) - - -	152,606 \$ 0 \$ 0 \$ 0 \$	6,616,059.37 - - -	0 \$ 0 \$ 0 \$ 0 \$		0 \$ 0 \$ 0 \$ 0 \$	- - - -
1 2 3 4 5 Day Ahe 6 7 8 9 10 11 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	DA Asset Energy Amount DA Non-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount SUBTOTAL SU	555.09 555.19 555.26 555.24 555.24 555.21	0 \$ (312,275) \$ (16) \$ (5,149,453) \$	(419.88) (8,194,173.83) (671.23) (181,381,589.52)	52,284 \$ 245,610 \$ 0 \$ 3,911,874 \$	1,843,301.16 8,431,637.00	0 \$ 0 \$ 0 \$	- -	0 \$ 0 \$ 0 \$	-	0 \$ 0 \$ 0 \$	: : :	0 \$ 0 \$ 0 \$	- -
3 4 4 5 Day Ahe 6 7 8 9 10 11 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	DA Non-asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount SUBTOTAL Bead & Real Time Energy Loss DA FBT Loss Amount RT Distribution of Losses Amount RT Distribution of Losses Amount RT SI Loss Amount DA Losse Amount DA Losse Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.09 555.19 555.26 555.24 555.24 555.21	0 \$ (312,275) \$ (16) \$ (5,149,453) \$	(419.88) (8,194,173.83) (671.23) (181,381,589.52)	52,284 \$ 245,610 \$ 0 \$ 3,911,874 \$	1,843,301.16 8,431,637.00	0 \$ 0 \$ 0 \$	- -	0 \$ 0 \$ 0 \$	-	0 \$ 0 \$ 0 \$	- - -	0 \$ 0 \$ 0 \$	- -
3 4 5 Day Ahe 6 7 8 9 10 112 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	RT Asset Energy Amount RT Non-Asset Energy Amount SUBTOTAL  Lead & Real Time Energy Loss  DA FBT Loss Amount RT Distribution of Losses Amount RT FBT Loss Amount RT FBT Loss Amount RT FBT Loss Amount DA Loss Amount DA Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.19 555.26 555.24 555.24 555.21	(312,275) \$ (16) \$ (5,149,453) \$  0 \$ 0 \$	(8,194,173.83) (671.23) (181,381,589.52)	245,610 \$ 0 \$ 3,911,874 \$	8,431,637.00	0 \$ 0 \$	- - (29,911.31)	0 \$		0 \$	-	0 \$	-
Day Ahe  Day Ahe  The state of	RT Non-Asset Energy Amount SUBTOTAL  lead & Real Time Energy Loss  DA FBT Loss Amount RT Distribution of Losses Amount RT FBT Loss Amount DA Loss Amount RT Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.26 555.04 555.24 555.21	(16) \$ (5,149,453) \$ 0 \$ 0 \$	(671.23) (181,381,589.52)	0 \$ 3,911,874 \$	-	0 \$	(29,911.31)	0 \$		0 \$		0 \$	
Day Ahe   6   7   8   9   10   11   12     Virtual E   13   14   15     Schedu   16   17   18   19     Conges   20   21	DA FBT Loss Amount RT Distribution of Losses Amount RT FBT Loss Amount RT FBT Loss Amount RT SBT Loss Amount DA Loss Amount RT Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.24 555.21	0 \$	<u> </u>		138,883,993.74	0 \$	(29,911.31)	152,606 \$	C C4C 0F0 CT	•			_
6 7 8 9 10 11 12 Virtual I 13 14 15 Schedu 16 17 18 19 Conges 20 21	DA FBT Loss Amount RT Distribution of Losses Amount RT FBT Loss Amount DA Loss Amount DA Loss Amount DA Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.24 555.21	0 \$	(407.040.44)	0 6				, ¥	6,616,059.37	0 \$	-	0 \$	-
8 9 9 10 11 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	RT Distribution of Losses Amount RT FBT Loss Amount DA Loss Amount RT Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.24 555.21	0 \$	- (407.040.44)	0 0									
8 9 9 10 11 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	RT FBT Loss Amount DA Loss Amount RT Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.21				-	0 \$	-	0 \$	-	0 \$	-	0 \$	
9 10 11 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	DA Loss Amount RT Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount		0 \$	(187,949.44)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
10 11 12 Virtual E 13 14 15 Schedu 16 17 18 19 Conges 20 21	RT Loss Amount DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.08		-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
11   12   Virtual E   13   14   15   Schedu   16   17   18   19   Conges   20   21	DA Losses Rebate on Option B GFA SUBTOTAL Energy DA Virtual Energy Amount	555.08	0 \$	(8,944,691.31)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
12 Virtual I 13 14 15 Schedu 16 17 18 19 Conges 20 21	SUBTOTAL Energy DA Virtual Energy Amount	555.08	0 \$	(323,548.98)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
Virtual E   13   14   15     Schedu   16   17   18   19     Conges   20   21	Energy DA Virtual Energy Amount		0 \$ 0 \$	(9,456,189.73)	0 \$ 0 \$	3.233.395.53	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$		0 \$ 0 \$	
13 14 15 Schedu 16 17 18 19 Conges 20 21	DA Virtual Energy Amount		0 \$	(9,450,109.73)	0 \$	3,233,395.53	0 \$	•			0 \$		0 \$	
14 15 Schedu 16 17 18 19 Conges 20 21		555.12	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
15   Schedu   16   17   18   19     Conges   20   21		555.32	0 \$	_	0 \$	_	0 \$	_	0 \$	_	0 \$	-	0 \$	
Schedu  16 17 18 19 Conges 20 21	SUBTOTAL	000.02	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
17 18 19 Conges 20 21	ules 16 & 17		•		- 1						1			
18 19 Conges 20 21	DA Mkt Admin Amount	555.01	0 \$	(679,114.85)	0 \$	-	0 \$	(11,684.49)	0 \$	-	0 \$	-	0 \$	
19   Conges   20   21	RT Mkt Admin Amount	555.18	0 \$	(107,124.88)	0 \$	10,823.73	0 \$	(29,916.72)	0 \$	1,521.70	0 \$	-	0 \$	
Conges 20 21	FTR Mkt Admin Amount	555.13	0 \$	(24,907.84)	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-
20 21	SUBTOTAL		0 \$	(811,147.57)	0 \$	10,823.73	0 \$	(41,601.21)	0 \$	1,521.70	0 \$	-	0 \$	-
21	stion & FTRs													
	DA FBT Congestion Amount	555.03	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
	DA Congestion	555.00	0 \$	-	0 \$	(26,685,318.80)	0 \$	-	0 \$	-	0 \$	-	0 \$	
	RT FBT Congestion Amount	555.20	0 \$	(0.000.500.05)	0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	
	RT Congestion FTR Hourly Allocation Amount	555.14	0 \$ 0 \$	(2,383,598.85) (5,533,631.14)	0 \$ 0 \$	47,387,972.68	0 \$	-	0 \$ 0 \$		0 \$	-	0 \$	
	FTR Monthly Allocation Amount	555.15	0 \$	(6.87)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
	FTR Yearly Allocation Amount	555.17	0 \$	(4.85)	0 \$	50,976.75	0 \$	-	0 \$	-	0 \$	_	0 \$	
	FTR Monthly Transaction Amount	555.35	0 \$	(1.00)	0 \$	2.253.290.31	0 \$	_	0 \$	_	0 \$	_	0 \$	
	FTR Full Funding Guarantee Amount	555.36	0 \$	(1,064,599.53)	0 \$		0 \$	-	0 \$	-	0 \$	_	0 \$	
	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 \$	-
	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(121,069.59)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	673,980.53	0 \$	-	0 \$	-	0 \$	-	0 \$	
	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	- 11.007.100.17	0 \$	-	0 \$		0 \$	-	0 \$	
	SUBTOTAL Make Whole Payments		0 \$	(27,890,077.45)	0 \$	44,627,403.15	0 \$		0 \$		0 \$	<u> </u>	0 \$	-
		ECC 40	0 0	(474 447 00)	Δ Δ	0.000.04	^ ^	(46,000,00)		1.007.00	0 0		^ ^	
36 37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10 555.11	0 \$ 0 \$	(174,447.00) (2.00)	0 \$ 0 \$	8,838.91 76,739.47	0 \$	(16,008.92)	0 \$ 0 \$	1,297.03 21,313.11	0 \$	-	0 \$ 0 \$	
	RT Revenue Sufficiency Guarantee Make Whole Pyrnt Amount	555.29	0 \$	(1,291,593.63)	0 \$	144,108.87	0 \$	(138,090.98)	0 \$	14,946.02	0 \$	-	0 \$	
	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	(1,201,000.00)	0 \$		0 \$	(60,752.43)	0 \$	1,064,157.55	0 \$	-	0 \$	
	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 \$	
RNU & I	Misc Charges													
	RT Misc Amount	555.25	0 \$	(6,429.73)	0 \$	11,305.91	0 \$	-	0 \$	-	0 \$	-	0 \$	
	RT Net Inadvertent Amount	555.27	0 \$	(86,963.87)	0 \$		0 \$		0 \$		0 \$	-	0 \$	
	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 \$	
	RT Uninstructed Deviation Amount	555.31	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(369,707.94)	0 \$	12,235.43	0 \$	-	0 \$	-	0 \$	-	0 \$	
47 48	DA Ramp Product	555.63 555.64	0 \$ 0 \$	- (4.242.07)	0 \$ 0 \$	20,846.54 12,417.31	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	
		555.64 555.65	0 \$	(4,213.97) (81,264.81)	0 \$	12,417.31	0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$	
	RT Ramp Product	200.00	. 0.8											-
ASM Ch	RT Ramp Product RT Schedule 49 Cost Distribution Amount							(170.458.56)		65.068.71				
51	RT Ramp Product RT Schedule 49 Cost Distribution Amount SUBTOTAL		0 \$	(2,379,574.32)	0 \$		0 \$	(170,458.56)	0 \$	65,068.71		-	0 \$	-
52	RT Ramp Product RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.55						(170,458.56)		65,068.71 9,923,337.44		-		
53	RT Ramp Product RT Schedule 49 Cost Distribution Amount SUBTOTAL harges	555.55 555.56	0 \$	(2,379,574.32)	0 \$	858,189.74	0 \$		0 \$		0 \$		0 \$	-

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

				Year to Date 2021 Inc	ludes any adjustm	ents							
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
				RETAIL	_		ASSET BASED					SED WHOLESAL	
	Charge Type Description Acc	t MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types												
54			0 \$ -	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
55			0 \$ -	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-
56			0 \$ -	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-
57			0 \$ -	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
58	SUBTUTAL		0 \$ -	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
50	TOTAL MISO DAY 2 CHARGES	(5.753.71)	9) \$ (243.818.675.08)	4,100,541 \$	193.598.129.76	(40.269) \$	(2,180,996.48)	457 189 S	17,777,387.39	0 S		0 S	_
60		(0,700,71	\$ (811,147.57)		10.823.73	(40,203) ¢	(2,100,550.40)	407,100 \$	17,777,007.00	, , ,		- · ·	_
61			\$ 1.153.256.99	•									
62			\$ (85,208.29)	1									
63	,		, (,,										
64													
65			\$ (244,075,576.21)	S	193,587,306.03								
66				\$ (50,488,270.18)									
67	Retail MWh include losses of 2.8%												
									•				
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRA	NSACTIONS											
68								\$	15,596,390.91			\$	-
69								416,066 \$	11,469,285.59				
70								\$	-			\$	-
71												\$	-
72												\$	-
73								_				\$	-
74								\$	7,195.10	1		\$	-
75 76						1			4 440 040 00	+			
76	TOTAL ASSET OF NUN ASSET BASED WHOLESALE					+		\$	4,119,910.22	+		\$	-

	Detail of Southwes		ool (	Otter Tail Powe SPP) Charges b y 2021 includes (Revenue) E	y C an	harge Group for y adjustments	Current Month - S	yst	em		
		(A)		(B)		(C)	(D) <b>Retail</b>		(E)	(F) and (G)** Charge types wit	h
	Charge Type Description	Acct		Retail Debits	R	Retail Credits	Adjustments		Net Retail	MWH for Retail	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss										
1	DA Asset Energy Amount	555.19	\$	-	\$	-	\$ -	\$	-	-	-
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						· · · · · ·	Ė	<u> </u>		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$	-	\$ -	\$	-	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	364.78	\$			\$	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)			7.25	-	-
	Other Charges		·		Ė	( ,		Ė			
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	\$	_	\$			\$	(10,835.63)	_	_
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	\$		\$ -	\$	(116,172.23)	_	_
24	RT Pseudo Tie Loss Amount	555.21	\$	607.72	\$		\$ -	\$	(22,034.13)	_	_
25	Miscellaneous Amount	555.23	\$	007.72	\$			\$	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	333.30	\$	6.701.53	\$	(155,629.65)		\$	(148.818.28)		
00	Grandfathered Charge Types		Ť	3,7 3 1.00	Ť	(.00,020.00)	¥ 100.04	Ť	(.40,010.20)		
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	\$	25.38	\$	(0.19)		\$	(0.02)	-	-
33	DA GFA Carve Out Distribution Deployment Monthly Amount	555.27	\$	_	\$		\$ - \$ -	\$	(0.02)		_
34	TOTAL	333.27	\$	29.39	\$	(0.21)			28.45		
<u></u>	- <del></del>			20.00	<del>-</del>	(0.21)	, (0.10)	Ť	20.70		
35	TOTAL SPP CHARGES		\$	13,130.12	\$	(155,650.72)	\$ (17.96)	\$	(142,538.56)	382	-
36 37	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$	(142,538.56)		** (I	F) and (G) increase	ed for losses of 2.8%	382,344
38	January 2021 covers time period of 12/25/2020 - 01/21/2021			Net Retail	N	let SPP KWH					
39	SPP Book Totals		\$	(142,520.60)		382,344					
40	Adjustments		\$	(17.96)		-					
41	Total SPP		\$	(142,538.56)		382,344					
41	Total SPP		\$	(142,538.56)		382,344					

	Detail of Southwes		ool (S		y Charge Group for any adjustments	Current Month - Sy	rstem	
		(A)		(B)	(C)	(D) <b>Retail</b>	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	-	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ - :	\$ -	
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	\$		\$ -	\$ - !		<u> </u>
9	TOTAL		\$	7.39	\$ -	\$ (5.29)	\$ 2.10	
	Revenue Neutrality Uplift							
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	0.32	\$ -	\$ (4.30)		
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	\$	-		\$ (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	\$			\$ - :		
24	RT Pseudo Tie Loss Amount	555.21	\$	71,858.69		\$ - :		
25	Miscellaneous Amount	555.23	\$	-			\$ -	
26	ARR Closeout Yearly Amount	555.26	\$	-			\$ -	
27	RT Demand Reduction Distribution Amount	555.28	\$	-			\$ -	
28	RT Schedule 1A3 Amount	555.29	\$			\$ (0.01)		
29	RT Schedule 1A4 Amount	555.30	\$		\$ -	\$ (0.07)		
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)		
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	\$	-	5 -	\$ - 3		
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 37 38	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000  February 2021 covers time period of 1/22/2021 - 02/18/2021				\$ (832,796.13)	*:	* (F) and (G) increas	7,145 ed for losses of 2.8%
	•			Net Retail	Net SPP KWH			
39	SPP Book Totals		\$	(832,167.48)	7,145			
40	Adjustments		\$	(628.65)	-			
41	Total SPP		\$	(832,796.13)	7,145			
	· ·				,			

	Detail of Southwes		ool (S		/ Charge Group fo any adjustments	r Current M	lonth - Sy	stem		
		(A)		(B)	(C)	(D) <b>Reta</b>		(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	-	Retail Debits	Retail Credits	Adjustm		Net Retail	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	\$	-	\$ -	\$	- ;	r	-	-
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	\$ -	\$		20.71	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$		\$ -	\$		-	-	-
9	TOTAL		\$	19.50	\$ -	\$	1.21	20.71	-	-
L.	Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	20.20		\$	2.99		-	-
11	TOTAL		\$	20.20	\$ -	\$	2.99	23.19	<u> </u>	-
40	Other Charges	555.04	_	0.10	^	•	(0.04)	0.70		
12 13	DA Regulation-Down Distribution Amount	555.04	\$		\$ -	\$	(0.34)		-	-
13	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	555.05	\$ \$	7.42 4.92	\$ - \$ -	\$ \$	(0.60)		-	-
15	DA Spinning Reserve Distribution Amount  DA Supplemental Reserve Distribution Amount	555.06 555.07	\$		\$ -	\$	(0.48)		-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	0.47	\$ -	\$		) 0.43 6 -		-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	_	\$ (43,748.61)	\$		(43,836.51)		-
18	RT Regulation-Down Distribution Amount	555.12	\$	1.68	\$ (43,740.01)	\$	- !		_	_
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	\$	_	\$ -	\$		- (5.1.1)	-	-
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	\$		\$ -	\$	(0.18)		-	-
29	RT Schedule 1A4 Amount	555.30	\$		\$ -	\$	(0.61)		-	-
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)		-	-
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ -	\$	- ;	•	-	-
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	3.18	\$ - \$ -	\$	- (		-	-
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 37 38	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000  March 2021 covers time period of 02/19/2021 - 03/23/2021				\$ (238,563.94)		*:	(F) and (G) increas	eed for losses of 2.8%	42,117)
	·			Net Retail	Net SPP KWH					
39	SPP Book Totals		\$	(238,452.63)	(42,117)					
40	Adjustments		\$	(111.31)	- 1					
41	Total SPP		\$	(238,563.94)	(42,117)					
1					· · · · · ·					

	Detail of Southwes		ool (S	Otter Tail Power SPP) Charges by 2021 includes a (Revenue) Ex	Charge Group for	Current Month - Sy	rstem	
		(A)		(B)	(C)	(D) <b>Retail</b>	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ - :	\$ -	-
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	\$		\$ -		\$ -	<u>-</u>
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	\$		Ψ	\$ - :	\$ 2.88	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$				\$ (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	\$			\$ - :	\$ (156,644.81)	-
24	RT Pseudo Tie Loss Amount	555.21	\$				\$ (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	-
29	RT Schedule 1A4 Amount	555.30	\$				\$ 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	-
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 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000				\$ (174,799.32)	*:	* (F) and (G) increase	<b>87,89</b> ad for losses of 2.8%
38	April 2021 covers time period of 03/24/2021 - 04/22/2021			Net Retail	Net SPP KWH			
39	SPP Book Totals		\$	(170,219.62)	87,894			
40	Adjustments Total SPP		\$ <b>\$</b>	(4,579.70) (174,799.32)	87,894			
41								

	Detail of Southwes		ool (S		y Charge Group for ny adjustments	Current Month - Sys	stem	
		(A)		(B)	(C)	(D) <b>Retail</b>	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$	-		\$ - \$		
2	DA Non-asset Energy Amount	555.03	\$	-		\$ - \$		
3	RT Asset Energy Amount	555.09	\$	5,116.58		\$ 13.72 \$	.,	36 -
4	RT Non-Asset Energy Amount	555.00	\$	<u> </u>		\$ - \$		
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) \$		
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-		\$ - \$		
9	TOTAL		\$	25.03	\$ -	\$ (0.51) \$	24.52	<u>-</u>
	Revenue Neutrality Uplift	/-	_	45.55	^	A (0.55) A	11.05	
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$			\$ (3.62) \$		
11	TOTAL		\$	15.28	\$ -	\$ (3.62) \$	11.66	
	Other Charges	555.04	•	4.00	Φ.	f (0.00) f	4.74	
12 13	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	555.04	\$ \$			\$ (0.22) \$		
14	DA Regulation-Op Distribution Amount  DA Spinning Reserve Distribution Amount	555.05 555.06	\$			\$ (1.22) \$ \$ (0.35) \$		
15	DA Spinning Reserve Distribution Amount  DA Supplemental Reserve Distribution Amount	555.06	\$	7.99 0.72		\$ (0.35) \$ \$ (0.02) \$		-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	0.72		\$ (0.02) \$ \$ - \$		
17	RT Over-Collected Losses Distribution Amount	555.11	\$	113.01		\$ 3.62 \$		
18	RT Regulation-Down Distribution Amount	555.12	\$	0.11		\$ - \$	( , ,,	
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	T	\$ 0.42 \$		
20	RT Regulation-Up Distribution Amount	555.14	\$	_	\$ (4.25)			
21	RT Spinning Reserve Distribution Amount	555.16	\$	_	\$ (17.41)			
22	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$ (7.11)			
23	RT Pseudo Tie Congestion Amount	555.20	\$	55,952.75	\$ (55,339.60)			
24	RT Pseudo Tie Loss Amount	555.21	\$		\$ (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	\$			\$ (0.03) \$		
29	RT Schedule 1A4 Amount	555.30	\$			\$ (0.29) \$		
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) \$		
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ (0.01)			
33 34	DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL	555.27	\$ <b>\$</b>	5.13	\$ - \$ (0.01)	\$ - \$ \$ (0.21) \$		<u> </u>
						, ,		
35	TOTAL SPP CHARGES		\$	64,699.77	\$ (69,178.73)	\$ 4.94 \$	(4,474.02)	36 -
36 37	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$ (4,474.02)	**	(F) and (G) increase	<b>35,805</b> ad for losses of 2.8%
38	May 2021 covers time period of 04/23/2021 - 05/20/2021		•	Net Retail	Net SPP KWH			
39	SPP Book Totals		\$	(4,478.96)	35,805			
40 41	Adjustments		\$	4.94	-			
	Total SPP		\$	(4,474.02)	35,805			

	Detail of Southwes		ol (S	Otter Tail Power PP) Charges b 2021 includes a (Revenue) E	y C	harge Group for adjustments	Current Month - Sy	/stem		
		(A)		(B)		(C)	(D) <b>Retail</b>	(E)	(F) and (G) Charge types	
	Charge Type Description	Acct	R	letail Debits	R	letail Credits	Adjustments	Net Retail	MWH for Re	
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)	<b>\$</b> 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)			-
8	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	\$ <b>\$</b>	- 05.50	\$			\$ - \$ 25.		-
_	Revenue Neutrality Uplift		Þ	25.58	\$	- :	\$ (0.36)	a 25.	-	-
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	6.89	\$	(0.75)	\$ (0.88)	¢ F	26 -	
11	TOTAL	555.15	\$	6.89	\$	(0.75)			<u> 26 -                                     </u>	_
	Other Charges		Ψ	0.03	Ψ	(0.73)	ψ (0.00)	ψ <u>J.</u>	-	-
12	DA Regulation-Down Distribution Amount	555.04	\$	0.97	\$	_ (	\$ (0.04)	\$ 0	93 -	-
13	DA Regulation-Down Distribution Amount	555.05	\$	2.34	\$		\$ (0.20)		14 -	_
14	DA Spinning Reserve Distribution Amount	555.06	\$	0.49	\$		\$ (0.20)		29 -	_
15	DA Supplemental Reserve Distribution Amount	555.07	\$	0.07	\$		\$ (0.01)		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)		\$ 1.	85 -	-
21	RT Spinning Reserve Distribution Amount	555.16	\$	-	\$				68 -	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$				56 -	-
23	RT Pseudo Tie Congestion Amount	555.20	\$	17,295.57	\$	(112,807.02)				-
24	RT Pseudo Tie Loss Amount	555.21	\$	2,661.80	\$	(15,104.59)				-
25	Miscellaneous Amount	555.23	\$	-	\$		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)		31 -	-
29 30	RT Schedule 1A4 Amount TOTAL	555.30	<u>\$</u>	1.72 19,963.42	\$ <b>\$</b>	(218,833.55)	\$ (0.11) \$ (306,400.72)		61 -	-
	Grandfathered Charge Types		φ	19,903.42	ð	(210,033.35)	φ (300,400.72)	φ (303,270.	-	-
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	э \$	0.92	\$			\$ U. \$ -	- -	-
33	DA GFA Carve Out Distribution Deployment Monthly Amount	555.27	\$	-	\$		, 5	\$ (51.	78)	-
34	TOTAL	000.21	\$	0.92	\$	(51.78)				_
H			•		•	( /	. (	. (011	,	
35	TOTAL SPP CHARGES		\$	20,211.30	\$	(218,886.08)	\$ (306,534.93)	\$ (505,209.	<b>71</b> ) 14	-
36 37 38	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000 June 2021 covers time period of 05/21/2021 - 06/22/2021				\$	(505,209.71)	*	* (F) and (G) ir	ncreased for losses of 2.8%	13,528
30	Sans 2021 504613 time period of 50/21/2021 - 50/22/2021			Net Retail	N	let SPP KWH				
39	SPP Book Totals		\$	(198,674.78)		13,528				
40	Adjustments		\$	(306,534.93)		-				
41	Total SPP		\$	(505,209.71)		13,528				

	Detail of Southwes		ool (SPP) July 2021		y Cl ny a	harge Group for adjustments	Current Month - S	yst	em	
		(A)	(	(B)		(C)	(D) <b>Retail</b>		(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	Retail	l Debits	R	letail Credits	Adjustments		Net Retail	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	\$			\$	17.38	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	47.05	\$		\$ -	\$	47.00	
9	TOTAL		\$	17.25	\$	-	\$ 0.13	\$	17.38	
	Revenue Neutrality Uplift	FFF 45	<u></u>	0.45	•		<b>A</b> 0.24	•	0.46	
10	RT Revenue Neutrality Uplift Distribution Amount TOTAL	555.15	\$	0.45 <b>0.45</b>	\$ <b>\$</b>		\$ 0.04		0.49 <b>0.49</b>	
- 11	Other Charges		\$	0.45	Þ		\$ 0.04	ð	0.49	
40		EEE OA	Φ.	0.00	Φ.		e 0.04	•	0.40	
12 13	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	555.04	\$	0.09 0.95	\$ \$		\$ 0.01 \$ 0.02	\$	0.10 0.97	
14	DA Regulation-Up Distribution Amount  DA Spinning Reserve Distribution Amount	555.05 555.06	\$ \$	1.86	\$		\$ 0.02 \$ -	\$ \$	0.97 1.86	
15	DA Spirining Reserve Distribution Amount  DA Supplemental Reserve Distribution Amount	555.07	\$ \$	0.39	\$		\$ - \$ -	\$	0.39	
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ \$	0.59	\$		\$ - \$ -	\$	-	
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$			\$	(9,620.78)	-
18	RT Regulation-Down Distribution Amount	555.12	\$	_	\$		\$ 123.00	\$	(0.01)	_
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	_	\$			\$	(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	\$		\$ -	\$	(54,324.91)	-
24	RT Pseudo Tie Loss Amount	555.21	\$	818.82	\$	(13,169.13)	\$ -	\$	(12,350.31)	
25	Miscellaneous Amount	555.23	\$	-	\$	- 1	\$ 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	
30	TOTAL		\$	3,860.26	\$	(80,281.47)	\$ 131.57	\$	(76,289.64)	<u> </u>
	Grandfathered Charge Types									
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	0.20	\$			\$	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	\$	- 0.00	\$	(0.00)		\$	0.07	<u> </u>
34	TOTAL		\$	0.20	\$	(0.02)	\$ 0.08	Þ	0.26	
35	TOTAL SPP CHARGES		\$	4,050.84	\$	(80,281.49)	\$ 131.82	\$	(76,098.83)	5 -
36 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000				\$	(76,098.83)		** (F	F) and (G) increase	<b>5,006</b> ed for losses of 2.8%
38	July 2021 covers time period of 06/23/2021 - 07/22/2021			Retail	N	let SPP KWH				
39	SPP Book Totals			76,230.65)		5,006				
40	Adjustments		\$	131.82						
41	Total SPP		\$ (7	76,098.83)		5,006				

	Detail of Southwes		ool (S		/ Charge Group any adjustments		Current Month - Sys	stem	
		(A)		(B)	(C)		(D) <b>Retail</b>	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	F	Retail Debits	Retail Credits		Adjustments	Net Retail	MWH for Retail
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$	- \$	-	-
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				<u> </u>		, , ,		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$ -	\$	- \$		-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	-	\$ -	9	0.14 \$		-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$ -	9			-
9	TOTAL		\$	-	\$ -	\$			
Ů	Revenue Neutrality Uplift		Ť		•		, J.1.1 ¥	<b>U.</b>	
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	_	\$ -	9	(0.21) \$	(0,21)	-
11	TOTAL	333.13	<u>\$</u>		\$ -	9			<del>-</del>
Ë	Other Charges		Ψ	-	<u> </u>	•	, (U.Z.I) \$	(0.21)	-
12	DA Regulation-Down Distribution Amount	555.04	\$		\$ -	9	0.02 \$	0.02	
13	DA Regulation-Down Distribution Amount  DA Regulation-Up Distribution Amount	555.04 555.05	\$	-	\$ - \$ -	\$			-
				-					-
14 15	DA Spinning Reserve Distribution Amount	555.06	\$ \$	-	\$ - \$ -	9			-
16	DA Supplemental Reserve Distribution Amount	555.07	\$	-		9			-
	RT Contingency Reserve Deployment Failure Amount	555.08		-	\$ -				-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$ (12,624.49				-
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	\$		\$ -	. \$	γ Ψ		-
23	RT Pseudo Tie Congestion Amount	555.20	\$		\$ (87,594.95				-
24	RT Pseudo Tie Loss Amount	555.21	\$	1,216.90	\$ (21,934.62				-
25	Miscellaneous Amount	555.23	\$	-	\$ (35.34			(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	\$	<u> </u>	\$ -	\$		<u>-</u>	<u> </u>
34	TOTAL		\$	-	\$ -	\$	0.02 \$	0.02	-
35	TOTAL SPP CHARGES		\$	33.491.05	\$ (122.189.40	۱۱ و	(424.7E) \$	(99 922 40)	
35	TOTAL SPP CHARGES		Þ	33, <del>49</del> 1.05	<b>⇒</b> (1∠∠,189.40	ı) ¥	(124.75) \$	(88,823.10)	-
36 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ (88,823.10	))			
38	August 2021 covers time period of 07/23/2021 - 08/23/2021			Net Retail	Net SPP KWH		**	(F) and (G) increase	ed for losses of 2.8%
39	SPP Book Totals		\$	(88,698.35)	-				
40	Adjustments		\$	(124.75)	-				
41	Total SPP		\$	(88,823.10)	-				
l ''				(55,525.10)					

	Detail of Southwes		ool (S		/ Charge Group fo s any adjustments		ystem	
		(A)		(B)	(C)	(D) <b>Retail</b>	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ -	\$ -	-
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	555.10	\$		\$ -	\$ 0.36	\$ 0.36	<u> </u>
	Revenue Neutrality Uplift		Ť		<u>-</u>	<del>-</del>	<del>-</del> 0.00	
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$		\$ -	\$ 0.01	\$ 0.01	
11	TOTAL	ეეე. 15	\$	<u> </u>	\$ -	\$ 0.01	\$ 0.01	<del>-</del>
	Other Charges		Ą		<u>-</u>	ψ 0.01	ψ 0.01	-
		FFF 0.4	•		•	¢ 0.04	<b>e</b> 0.04	
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	-
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)	, ,	\$ (12,229.11)	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$ -	\$ -	\$ -	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$ -		\$ (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	\$		\$ (169,627.25)	\$ -	\$ (168,468.18)	-
24	RT Pseudo Tie Loss Amount	555.21	\$		\$ (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	\$		\$ -	\$ -	\$ -	<u> </u>
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 38	Net KWH for retail = ((F) + (G)) * 1,000						** (F) and (G) increas	ed for losses of 2.8%
39	September 2021 covers time period of 08/24/2021 - 09/22/2021  SPP Book Totals		\$	Net Retail (204,543.64)	Net SPP KWH			
40	Adjustments		\$	(112.55)	-			
41	Total SPP		\$ \$	(204,656.19)	<u>-</u>			
	I Utal SFF		Ψ	(204,000.19)	-			

	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) <b>Retail</b>		(E)	(F) and (G)** Charge types with					
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments		Net Retail	MWH for Retail					
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss													
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ -	\$	-						
2	DA Non-asset Energy Amount	555.03	\$	-	\$ -	\$ -	\$	-						
3	RT Asset Energy Amount	555.09	\$	7,137.83			\$	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	<u>-</u>	\$ 0.02	\$	329.53	<u>-</u>					
	Revenue Neutrality Uplift	:-	_		A (==::	<u> </u>	_	/						
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$			\$ 0.02	\$	13.63						
11	TOTAL Other Charges		\$	16.60	\$ (2.99)	\$ 0.02	\$	13.63	-					
_	Other Charges	FFF 0.1	Φ.	40.00	Φ.	•	•	40.00						
12	DA Regulation-Down Distribution Amount	555.04	\$	10.20		\$ -	\$	10.20	-					
13	DA Regulation-Up Distribution Amount	555.05	\$			\$ -	\$	38.46	-					
14	DA Spinning Reserve Distribution Amount	555.06	\$ \$			\$ -	\$	45.18	-					
15 16	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	555.07 555.08	\$ \$			\$ - \$ -	\$	1.52	-					
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-		\$ 82.81	\$	(14,552.16)	-					
18	RT Regulation-Down Distribution Amount	555.11	Ф \$	-		\$ 62.61	\$	(0.60)						
19	RT Regulation Flowin Distribution Amount	555.12	Ф \$	-		\$ -	\$	(0.50)						
20	RT Regulation-Up Distribution Amount	555.14	\$	0.18		\$ -	\$	(0.02)						
21	RT Spinning Reserve Distribution Amount	555.16	\$			\$ -	\$	(0.02)						
22	RT Supplemental Reserve Distribution Amount	555.17	\$			\$ -	\$	_						
23	RT Pseudo Tie Congestion Amount	555.20	\$		*	\$ -	\$	(90.647.37)						
24	RT Pseudo Tie Loss Amount	555.21	\$			\$ -	\$	(10,707.86)	<u>-</u> .					
25	Miscellaneous Amount	555.23	\$			\$ 0.18	\$	0.18	<u>-</u> .					
26	ARR Closeout Yearly Amount	555.26	\$	_		\$ -	\$	-	<u>-</u> .					
27	RT Demand Reduction Distribution Amount	555.28	\$	-		\$ -	\$	-	<u>-</u> .					
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				<u> </u>									
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$			\$ -	\$	27.63						
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-		\$ -	\$	(0.02)						
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	Ψ	\$ -	\$	-	-					
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 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000				\$ (108,278.86)		** (	F) and (G) increase	<b>166,24</b> 8 and for losses of 2.8%					
38	October 2021 covers time period of 09/23/2021 - 10/21/2021			Net Retail	Net SPP KWH									
39	SPP Book Totals		\$	(108,362.02)	166,248									
40	Adjustments		\$	83.16	100,240									
41	Total SPP		\$ \$	(108,278.86)	166,248									
			Ψ	(100,210.00)	100,240									

	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) <b>Retail</b>	(E)	(F) and (G)** Charge types with						
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail						
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss													
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ -	\$ -							
2	DA Non-asset Energy Amount	555.03	\$	-	\$ -		\$ -							
3	RT Asset Energy Amount	555.09	\$	47,629.50	\$ -	\$ (138.85)		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			\$ 409.28							
11	TOTAL		\$	448.53	\$ (43.22)	\$ 3.97	\$ 409.28							
	Other Charges													
12	DA Regulation-Down Distribution Amount	555.04	\$		\$ -	\$ (0.25)								
13	DA Regulation-Up Distribution Amount	555.05	\$		\$ -	\$ (0.73)								
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$ -	\$ (0.71)								
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$ -	\$ (0.04)								
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-		*	\$ (3.98)							
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-			\$ (16,884.02)							
18	RT Regulation-Down Distribution Amount	555.12	\$		\$ (1.88)		\$ 4.37							
19	RT Regulation Non-Performance Distribution Amount	555.13	\$		\$ (18.86)		\$ (18.73)							
20	RT Regulation-Up Distribution Amount	555.14	\$		\$ (28.57)		\$ (27.69)							
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$ (30.19)		\$ (30.19)							
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$ (5.01)		\$ 0.97							
23	RT Pseudo Tie Congestion Amount	555.20	\$		\$ (162,663.60)		\$ (136,038.69)							
24	RT Pseudo Tie Loss Amount	555.21	\$		\$ (4,965.92)		\$ 9,756.80							
25	Miscellaneous Amount	555.23	\$	-	\$ -		\$ 0.60							
26	ARR Closeout Yearly Amount	555.26	\$	-	\$ -		\$ -							
27	RT Demand Reduction Distribution Amount	555.28	\$		\$ -	*	\$ 0.30							
28	RT Schedule 1A3 Amount	555.29	\$		\$ -	\$ (0.08)								
29 30	RT Schedule 1A4 Amount TOTAL	555.30	\$		\$ - \$ (184,253.31)		\$ 133.18	<del></del>						
30	Grandfathered Charge Types		\$	42,239.63	\$ (184,253.31)	\$ (332.13)	\$ (142,345.81)	<u> </u>						
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	123.44	¢ (2.04)	¢ (4.20)	\$ 118.11							
32	DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	555.01	\$	123.44	\$ (3.94) \$ -	\$ (1.39) \$ -	\$ 118.11 \$ -							
33	DA GFA Carve Out Distribution Deployment Worlding Amount	555.27	\$	-	\$ -		\$ - \$ -							
34	TOTAL	555.21	\$	123.44										
35	TOTAL SPP CHARGES		\$	92,650.03	\$ (184,301.48)	\$ (460.42)	\$ (92,111.87)	1,047 -						
36 37	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$ (92,111.87)	*	* (F) and (G) increase	1,047,152 sed for losses of 2.8%						
38	November 2021 covers time period of 10/22/2021 - 11/22/2021			Net Retail	Net SPP KWH		(. , and (o) moreas	13. 13. 13300 OI 2.070						
39	SPP Book Totals		\$	(91,651.45)	1,047,152									
40	Adjustments		\$	(460.42)	-									
41	Total SPP		\$	(92,111.87)	1,047,152									
1					*									

	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													
		(A)		(B)	(C)	(D) <b>Ret</b> a		(E)	(F) and (G)** Charge types with					
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	Adjustn	nents	Net Retail	MWH for Retail					
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss													
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$	- 9	-	-					
2	DA Non-asset Energy Amount	555.03	\$	-	\$ -	\$	- 9	-						
3	RT Asset Energy Amount	555.09	\$	-	\$ -		,269.52)	(37,269.52)						
4	RT Non-Asset Energy Amount	555.00	\$	-	\$ -	\$	- 9	- '						
5	TOTAL		\$	-	\$ -	\$ (37,	269.52)	(37,269.52)	-					
	RSG & Make Whole Payments				<u>.                                      </u>	, ,								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$ -	\$	- 9	-						
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	-	\$ -		,038.31) \$	,	<u>-</u> -					
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$ -	\$ (2,	1.01		<u>-</u> -					
9	TOTAL		\$	-	\$ -		,037.30) \$		-					
Ť	Revenue Neutrality Uplift		Ť		T	· (-	,, ,	(=,5550)						
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	_	\$ -	\$ (	(249.89) \$	(249.89)	_					
11	TOTAL	555.15	\$	-	\$ -		(249.89) \$		<u> </u>					
-	Other Charges		φ		Ψ <u>-</u>	Ψ (	(2-3.03) 1	(243.03)	-					
40		555.04	Φ.		<b>*</b>	•	(00.04) (	(00.04)						
12 13	DA Regulation-Down Distribution Amount	555.04	\$	-	\$ -	\$	(60.24)		-					
	DA Regulation-Up Distribution Amount	555.05	\$	-	\$ -		(180.54) \$							
14	DA Spinning Reserve Distribution Amount	555.06	\$	-	\$ -		(335.49)		-					
15	DA Supplemental Reserve Distribution Amount	555.07	\$	-	\$ -	\$	(47.81) \$		-					
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$ -	\$	3.98		-					
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-			,624.56		-					
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$ -	\$	(4.84)		-					
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$ -	\$	14.43		-					
20	RT Regulation-Up Distribution Amount	555.14	\$	-	\$ -	\$	5.73		-					
21	RT Spinning Reserve Distribution Amount	555.16	\$	-	\$ -	\$	16.65		-					
22	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$ -	\$	3.13		-					
23	RT Pseudo Tie Congestion Amount	555.20	\$				,182.00							
24	RT Pseudo Tie Loss Amount	555.21	\$	31,997.27			,397.71		-					
25	Miscellaneous Amount	555.23	\$	-	\$ -	\$	- 9		-					
26	ARR Closeout Yearly Amount	555.26	\$	-	\$ -	\$	- 9							
27	RT Demand Reduction Distribution Amount	555.28	\$	-	\$ -	\$	(0.30)							
28	RT Schedule 1A3 Amount	555.29	\$	-	\$ -	\$	(21.46) \$		-					
29	RT Schedule 1A4 Amount	555.30	\$	-	\$ -		(108.37)							
30	TOTAL		\$	338,777.61	\$ (202,109.24)	\$ 7,	,489.14	144,157.51	<u>-</u>					
	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	\$	-	\$ -	\$	- 9	-						
34	TOTAL		\$	-	\$ (0.55)	\$	(109.15)	(109.70)	-					
								•						
35	TOTAL SPP CHARGES		\$	338,777.61	\$ (202,109.79)	\$ (32,	,176.72) \$	104,491.10	<u> </u>					
36 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ 104,491.10		**	(F) and (G) increas	sed for losses of 2.8%					
38	December 2021 covers time period of 11/23/2021 - 12/26/2021		_	Net Retail	Net SPP KWH			. , and (O) moreas						
39	SPP Book Totals		\$	136,667.82	-									
40	Adjustments		\$	(32,176.72)	-									
41	Total SPP		\$	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

	Charge Type Description	Acct	J	ANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss															
1	DA Asset Energy Amount	555.19	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- (	- \$	- 9	- :	\$ - \$	-
2	DA Non-asset Energy Amount	555.03	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- 5	- \$	- 9	- :	\$ - \$	-
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	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$		- \$	- 9	- :	\$ - \$	-
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
	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	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- (	- \$	- 9	(1.01)		
9	TOTAL		\$	365.20 \$	2.10 \$	20.71 \$	62.17 \$	24.52 \$	25.22 \$	17.38 \$	0.14	0.36 \$	329.53	2,215.90	\$ (2,037.30) \$	1,025.93
	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) \$				\$ (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
	Other Charges															
12	DA Regulation-Down Distribution Amount	555.04	\$	26.09 \$	- \$	2.76 \$		1.74 \$	0.93 \$	0.10 \$	0.02					
13	DA Regulation-Up Distribution Amount	555.05	\$	53.43 \$	(0.93) \$	6.82 \$		5.54 \$	2.14 \$	0.97 \$	(0.09)					
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		
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			
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	- \$	- \$	- \$	- \$	(0.17) \$	- \$	- \$	- 5	- \$	- 9	(3.98)	\$ 3.98 \$	
17	RT Over-Collected Losses Distribution Amount	555.11	\$	(10,835.63) \$	(483,885.29) \$	(43,836.51) \$		(4,801.85) \$		(9,620.78) \$	(12,747.05)	(12,229.11) \$				
18	RT Regulation-Down Distribution Amount	555.12	\$	- \$	- \$	1.68 \$	2.88 \$	0.11 \$	0.06 \$	(0.01) \$	- 5	- \$	(0.60)		\$ (4.84) \$	
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	- \$	- \$	(0.26) \$		0.16 \$	(0.10) \$	(0.16) \$	0.04	(0.01) \$				
20	RT Regulation-Up Distribution Amount	555.14	\$	- \$	- \$	(0.11) \$	0.32 \$	(4.25) \$	1.85 \$	(0.07) \$	- 5	- \$	(0.02)			
21	RT Spinning Reserve Distribution Amount	555.16	\$	- \$	- \$	- \$	- \$	(17.41) \$	8.68 \$	- \$	- 5	- \$	- 9	(000)		
22	RT Supplemental Reserve Distribution Amount	555.17	\$	- \$	- \$	- \$	- \$	(7.11) \$	3.56 \$	- \$	- 5	- \$	- 9		\$ 3.13 \$	
23	RT Pseudo Tie Congestion Amount	555.20	\$ (	(116,172.23) \$	(43,342.13) \$		(156,644.81) \$	613.15 \$	(95,518.40) \$	(54,324.91) \$	(55,320.80)		(90,647.37)		\$ 142,299.74 \$	(943,152.19)
24 25	RT Pseudo Tie Loss Amount	555.21	\$	(22,034.13) \$ 58.45 \$	(305,325.65) \$	(24,955.60) \$	(7,133.39) \$	(5,442.40) \$	(12,443.71) \$	(12,350.31) \$	(20,717.72) \$		(10,707.86)	9,756.80	\$ 20,587.05 \$	(414,729.00)
26	Miscellaneous Amount ARR Closeout Yearly Amount	555.23 555.26	\$	58.45 \$	- 5	57.92 \$	- \$	(6.35) \$	1.11 \$ (83,245.33) \$	2.51 \$	(35.47)	0.99 \$	0.18	0.60	\$ - \$ \$ - \$	79.94 (83,245.33)
27	RT Demand Reduction Distribution Amount	555.28	ē.	- 3	- 3	- ş	- 3	- ş	(03,245.33) \$	- 5 - \$	- 3	· - •		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			
29	RT Schedule 1A4 Amount	555.30	\$	35.66 \$	0.84 \$	4.75 \$	11.20 \$	4.26 \$	1.61 \$	0.64 \$	- 3	0.01 \$	21.18		\$ (108.37) \$	
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)
	Grandfathered Charge Types															
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	28.47 \$	(0.86) \$	2.84 \$		4.92 \$	0.77 \$	0.21 \$	0.02		27.63			
32	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	(0.02) \$	(0.11) \$	- \$	*** / 1	(0.01) \$	- \$	(0.02) \$	- 5	- \$	(0.02)		\$ (0.55) \$	
33	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	- \$	- \$	- \$	- \$	- \$	(51.78) \$	0.07 \$	- 9	- \$	- 9	- :	\$ - \$	(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

STEAM DOWED MAINTENANCE.		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 ONL	Y:							
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		\$ 12,540,306	\$ 15,365,943	\$ 15,589,236	\$	9,692,535	\$	19,671,625

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.

<sup>\*</sup>These amounts reflect the appropriate maintenance portion of combined O & M contracts for OTP wind facilities.

#### Big Stone Plant Forced Outage Info

### [PROTECTED DATA BEGINS . . .

Outage	e Dates		Dura ion		Change in				
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence			
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 par icle erosion occurs when particles wi hin a boiler or turbine inlet piping are swept up with the steam flow and hen those particles impact on the components of the steam turbine. Given enough solid particles, turbine materials can be eroded away. Introduc ion 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 he amount of time, 6 years, the unit has ran since he 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.  Tube leak due to thinned tubing caused by sootblower erosion. Area	_	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 vibra ion is known.			
12/30/2021	1/1/2022	Furnace Wall Tube Leak	1.31	was difficult to access during he major outage and was missed by inspectors.		We will be inspecting his area in more detail during the 2022 planned boiler outage.			

... PROTECTED DATA ENDS]

#### Coyote Station Forced Outage Info

### [PROTECTED DATA BEGINS . . .

Outag	Outage Dates		Dura ion		Change in				
Start	End	End Primary Reason for Outage		Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence			
2/9/2021	2/10/2021	Main Transformer Gassing		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 tuhe leak		Heat exchanger tubes in he condenser began leaking causing boiler		A routine condenser inspec ion will be conducted			

#### Coyote Station Forced Outage Info (continued)

Outag	Outage Dates		Dura ion		Change in	
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
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.	_	Rou ine inspection will be completed on header during upcoming major outage.

... PROTECTED DATA ENDS]

#### Hoot Lake Plant Forced Outage Info

### [PROTECTED DATA BEGINS . . .

Outag	e Dates				Change in	
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
	Hoot Lake Pl	ant #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		All usable coal has been emptied from bunkers and the Unit was placed in outage until he end of May retirement.	_	None

... PROTECTED DATA ENDS]

## [PROTECTED DATA Hoot Lake Plant Forced Outage Info BEGINS . . .

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

... PROTECTED DATA ENDS]

#### PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED

Docket No. E017/AA-20-462 Attachment 14

Page 1 of 3

# 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

			* (C)	* (D)	_					
	(A)	(B)	Wind	Production		* (E)				
	Date		Delivered				Production	* (		(H)
	Delivered	Lost	to OTP	Amount		Lost	Amount	То		Reason
Month	MWh	MWh	MWh	OTP Paid		MWh	OTP Paid	OTP	Paid	Codes
			PROTEC	CTED DATA	3EC	SINS	·			
Jan-21										
Feb-21										
Mar-21										
									1	
Apr-21										
					Ì				•	
May-21										
IVIAY 21					1				•	
Jun-21										
Juli-21					+				•	
lul 04										
Jul-21					+				•	
Aug-21					4					
Sep-21					4					
Oct-21					╛					
Nov-21										
Dec-21										
									]	
Total 2021										
						PR	OTECTED DA	ATA END	S]	

Reason Code Explanation:

#### Reason Codes:

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

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

	(A)	(P)	* (0		* (D)	7	* (E)	* (F)				
	Date Paid	(B)	Delive		Production	ł	-	Production	1	* (G)		(H)
	Delivered	Lost	to O		Amount		Lost	Amount	1 [	Total	1 [	Reason
Month	MWh	MWh	MW		OTP Paid		MWh	OTP Paid		OTP Paid		Codes
			[PRO	TECT	ED DATA BEGI	NS			11		1	
			ľ									
Jan-21	1/3, 14, 21, 23, 24, 29	2/12/2021										4
	, , , , , ,				-	1			11		11	
Feb-21	2/3, 22	3/15/2021						_				4
	3/2, 6, 7, 8, 9, 14, 15,											
	19, 24, 27, 28, 29, 30,											
Mar-21	31	4/13/2021		_		ļ	Ļ -	L	┦.		4	4
	4/2, 8, 9, 10, 11, 12,											
Apr-21	13, 18, 19, 22, 23, 29	5/14/2021	1	_		1	Ļ .	_	┨.		1	4
	5/3, 8, 9, 13, 17, 20,											
May-21	24, 25	6/15/2021	1	_		1	┗ .	<u> </u>	11		1	4
	6/4, 6, 7, 8, 9, 10, 11,											
Jun-21	16, 17, 20, 21, 23	7/14/2021	1			1	L .	_	]			4
	7/4, 9, 15, 16, 17, 19,											
Jul-21	20, 22, 24, 25, 26, 28	8/16/2021				1		_			] [	4
Aug-21	8/6, 18, 24, 26, 31	9/15/2021				]	L.	L				4
	9/6, 7, 16, 17, 18, 19,											
	20, 21, 22, 23, 24, 25,											
Sep-21	26	10/12/2021			_							4
	10/11, 13, 15, 18, 19,					1			$\prod$			
Oct-21	27, 29, 30, 31	11/9/2021										4
	11/4, 5, 6, 10, 11, 12,					1		Γ			1 [	
Nov-21	16	12/13/2021										4
-					_	1		Γ	11		1 [	
Dec-21	12/9, 11, 12	1/12/2022			_							4
Total 2004												
Total 2021	1		1	1		l	   DD/	 OTECTED DA	∐ \T/	A ENDS1	l l	
								JIECIED DA	`'	רואסס]		

#### 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

			* (C)	* (D)	<b>-</b>			
	(A)	(B)		Production	* (E)	* (F)	7 * (0)	410
	Date Paid Delivered	Lost	Delivered to OTP	Amount	Lost	t Production Amount	* (G) Total	(H) Reason
Month	MWh	MWh	MWh	OTP Paid	MWh	OTP Paid	OTP Paid	Codes
WOTHER		10110111		TED DATA BE		OTT Tala	O I I ala	00000
					ĺl			
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					PR	       OTECTED DAT	  A ENDS1	
						D DAI		

#### 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

<sup>\*</sup> 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

	1		(A)		(B)		(C)		(D)		(E)	(F)	(G)		(H)		(I)	(J)		(K)	(L)		(M)	(N)	(O)		(P)		(Q)	(R)
Line No.		J	an-21	F	eb-21	N	lar-21		Qtr 2021 Total	,	Apr-21	May-21	Jun-21		Qtr 2021 otal		Jul-21	Aug-	21	Sep-21	3rd Qtr 2021 Total		Oct-21	Nov-21	Dec-21		th Qtr 2021 Total		12-Month Total	MN Amount @ 0.506502
1	Day Ahead Regulation Amount	\$	91,386	\$	58,446	5 \$	64,063	\$	213,896	\$	28,417 \$	6,509 \$	47,330	\$	82,257	\$	50,947	\$ 56,	,142 \$	37,558	\$ 144,647	\$	1,000	\$ 684	\$ 21,1	86 \$	22,871	:	\$ 463,671	\$ 234,850
2	Real Time Regulation Amount	e	(20,595		8,613	ss	2.617	s	(9,365)	\$	(2,607) \$	11.818 \$	4,796	ss	14,007	s	(9,265)	¢ (17	.238) \$	373	\$ (26,130)	s	8,013	\$ 12.701	\$ 9,6	62 S	30,376		\$ 8,889	\$ 4,502
2	Regulation Cost Distribution	3	(20,595	) 3	0,013	, ,	2,017	ð	(9,363)	Þ	(2,007) 3	11,010 \$	4,790	, ,	14,007	3	(9,265)	Φ (I7,	,230) <b>ఫ</b>	3/3	\$ (20,130)	3	6,013	\$ 12,701	\$ 9,0	02 ş	30,376		eoo,o ¢	\$ 4,502
3	Amount	\$	(17,332	\$	(33,148	3) \$	(20,798)	\$	(71,277)	\$	(18,232) \$	(16,673) \$	(19,020	) \$	(53,925)	\$	(16,788)	\$ (17,	,520) \$	(14,926)	\$ (49,233)	\$	(19,084)	\$ (24,724)	\$ (22,8	58) \$	(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)	\$ 7,9	90 \$	(13,420)	:	\$ 231,458	\$ 117,234
5	Day Ahead Short-Term Reserve Amount	\$	-	\$	-	\$	-	\$	-	\$	- \$	- \$		\$	-	\$	-	\$	- \$	-	\$ -	\$	-	s -	\$ 15,8	14 \$	15,814	:	\$ 15,814	\$ 8,010
6	Real Time Short-Term Reserve Amount	\$	-	\$	-	\$	-	\$	-	\$	- \$	- \$	-	\$	-	\$	-	\$	- \$	-	\$ -	\$	-	\$ -	\$ (3,9	65) \$	(3,965)	:	\$ (3,965)	\$ (2,008
7	Short-Term Reserve Cost Distribution Amount	\$		\$	-	\$	-	\$	-	\$	- \$	- \$	-	\$	-	\$	-	\$	- \$	-	\$ -	\$	-	\$ -	\$ (8,8	58) \$	(8,858)	:	\$ (8,858)	\$ (4,487
8	Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	\$	-	\$	- \$	- \$	-	\$	-	\$	-	\$	- \$	-	\$ -	\$	-	\$ -	\$ -	s	· -	:	\$ -	\$ -
9	Short-Term Reserve Subtotal	\$	-	\$	-	\$	-	\$	-	\$	- \$	- \$	-	\$	-	\$	-	\$	- \$	-	\$ -	\$	-	\$ -	\$ 2,9	91 \$	2,991	:	\$ 2,991	\$ 1,515
	D Al 10-ii D															-														
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	\$ 34,8	96 \$	45,122	:	\$ 412,246	\$ 208,804
11	Real Time Spinning Reserve Amount	\$	(650	) \$	(3,973	3) \$	(9,665)	\$	(14,288)	\$	(16,204) \$	(7,503) \$	(39,654	l) \$	(63,361)	s	(11,415)	\$ (13,	.545) \$	(4,857)	\$ (29,817)	\$	5,284	\$ 12,179	\$ (10,1	94) \$	7,268	:	\$ (100,198)	\$ (50,751
12	Spinning Reserve Cost Distribution Amount	\$	(8,635	) \$	(29,568	8) \$	(17,662)	\$	(55,864)	\$	(18,625) \$	(18,604) \$	(19,493	3) \$	(56,723)	\$	(19,208)	\$ (20,	.427) \$	(13,309)	\$ (52,943)	\$	(24,493)	\$ (23,287)	\$ (20,0	31) \$	(67,812)	:	\$ (233,342)	\$ (118,188
13	Spinning Reserve Subtotal	\$	2,135	\$	(10,487	') \$	3,079	\$	(5,273)	\$	1,322 \$	11,135 \$	45,197	<b>,</b> \$	57,654	\$	6,746	\$ 23,	,362 \$	11,638	\$ 41,746	\$	(15,481)	\$ (4,610)	\$ 4,6	70 \$	(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	\$ 16,2	05 \$	86,835		\$ 488,347	\$ 247,349
15	Real Time Supplemental Reserve Amount	\$	(3,042	) \$	(13,258	3) \$	(4,422)	\$	(20,722)	\$	(13,325) \$	(7,882) \$	(19,226	5) \$	(40,434)	\$	(14,796)	\$ (5,	,653) \$	(4,045)	\$ (24,494)	\$	(9,600)	\$ (6,078)	\$ (6,1	19) \$	(21,797)		\$ (107,447)	\$ (54,422
16	Supplemental Reserve Cost Distribution Amount	\$	(1,355	) \$	(38,129	9) \$	(2,523)	\$	(42,006)	\$	(2,869) \$	(3,169) \$	(8,101	) \$	(14,139)	\$	(4,924)	\$ (6,	,194) \$	(2,512)	\$ (13,629)	\$	(5,433)	\$ (3,001)	\$ (3,0	69) \$	(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	\$ 7,0	17 \$	53,534	:	\$ 299,622	\$ 151,759
$\vdash$	Contingonay Posona			_				_																				-1		
18	Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$		\$	-	\$	(573) \$	- s	-	\$	(573)	\$	-	\$	- \$	-	\$ -	\$	-	\$ -	\$ -	s	-	:	\$ (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	8) \$	(5,779)	\$	(5,491)	\$ (4,	,636) \$	31	\$ (10,096)	\$	269	\$ (737)	\$ (2,3	79) \$	(2,846)	:	\$ (33,772)	\$ (17,106
20	Net Regulation Adjustment Amount	\$	(1,474	\$	34	\$	(1,357)	\$	(2,797)	\$	(5,010) \$	477 \$	(4,486	5) \$	(9,018)	\$	(556)	\$ (1,	,300) \$	(1,233)	\$ (3,088)	\$	(785)	\$ (387)	\$ (1,8	65) \$	(3,037)	:	\$ (17,941)	\$ (9,087
21	Real Time Miscellaneous	\$	-	\$	-	\$	-	\$	-	\$	- \$	- s	-	\$	-	\$	-	\$	- \$	-	\$ -	\$	-	s -	\$ -	s	-	:	\$ -	\$ -
22	Other Charge Subtotal	\$	(9,356	\$	(2,957	') \$	(5,535)	\$	(17,848)	\$	(7,856) \$	(1,615) \$	(5,898	s) \$	(15,370)	\$	(6,047)	\$ (5,	,936) \$	(1,202)	\$ (13,184)	\$	(516)	\$ (1,124)	\$ (4,2	44) \$	(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)	\$ 18,4	25 \$	21,801	- !	\$ 560,492	\$ 283,890

#### Summary of 12 ASM Charge Types (MWH)

	T	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
Line No.		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
	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
,	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
-	regulation oubtotal	9,200.00	5,755.70	7,770.20	22,032.40	4,445.20	1,207.00	7,010.40	12,732.00	6,574.50	5,306.20	4,020.70	15,903.60	25.00	227.00	3,093.00	3,043.00	55,554.40	20,020.50
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
	Day Ahaad Sainning Besser																		
10		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
	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		
Montly Average Schedule 17 Rate per MWh  January '09 through December '09	\$	0.09750
	\$ \$	0.09750 0.09380
January '09 through December '09		
January '09 through December '09 January '10 through December '10	\$	0.09380
January '09 through December '09  January '10 through December '10  January '11 through June '11	\$ \$	0.09380 0.09300
January '09 through December '09  January '10 through December '10  January '11 through June '11  July '11 through July '12	\$ \$ \$	0.09380 0.09300 0.09040
January '09 through December '09  January '10 through December '10  January '11 through June '11  July '11 through July '12  July '12 through June '13	\$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820
January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12 July '12 through June '13 July '13 through June '14	\$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820 0.07656
January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12 July '12 through June '13 July '13 through June '14 July '14 through June '15	\$ \$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820 0.07656 0.07337
January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12 July '12 through June '13 July '13 through June '14 July '14 through June '15 July '15 through June '16	\$ \$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820 0.07656 0.07337
January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12 July '12 through June '13 July '13 through June '14 July '14 through June '15 July '15 through June '16 July '16 through June '17	\$ \$ \$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820 0.07656 0.07337 0.07479
January '09 through December '09  January '10 through December '10  January '11 through June '11  July '11 through July '12  July '12 through June '13  July '13 through June '14  July '14 through June '15  July '15 through June '16  July '16 through June '17  July '17 through June '18	\$ \$ \$ \$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820 0.07656 0.07337 0.07479 0.07312
January '09 through December '09  January '10 through December '10  January '11 through June '11  July '11 through July '12  July '12 through June '13  July '13 through June '14  July '14 through June '15  July '15 through June '16  July '16 through June '17  July '17 through June '18  July '18 through December '19	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.09380 0.09300 0.09040 0.08820 0.07656 0.07337 0.07479 0.07312 0.08239 0.08589

#### 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
<b>TOTAL 2021</b>	\$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 <sup>1</sup>	\$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)	$(\$1,537,882)^2$

180,165,060 x \$0.024652 \$ 4,441,429

Amount Recovered From Base Cost

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.

Recovery from fuel base cost: (See Attachment 1 for details.) Total Minnesota kWh Sales - December 2020 kWh in January 2021 Minnesota Base Cost

<sup>&</sup>lt;sup>2</sup> 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.

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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:

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

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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

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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.

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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.

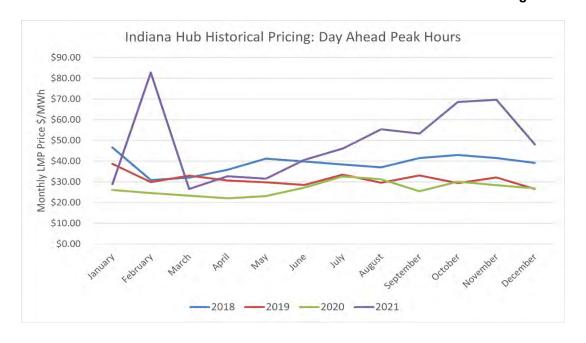
7. C. Each utility shall prepare a summary of its AAA filing stating key factors affecting costs (including Revenue Sufficiency Guarantee costs and Revenue Neutrality Uplift costs) along with the FCA Forecast.

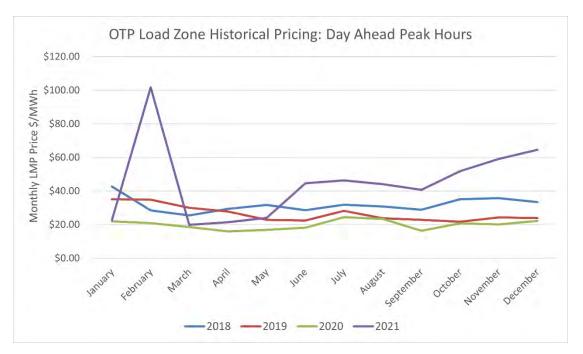
Attachment 9 (System and Minnesota) and Attachment 10 (Monthly and YTD MISO Day 2 Charges) reflect total MISO costs for the reporting period of January through December 2021.

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.

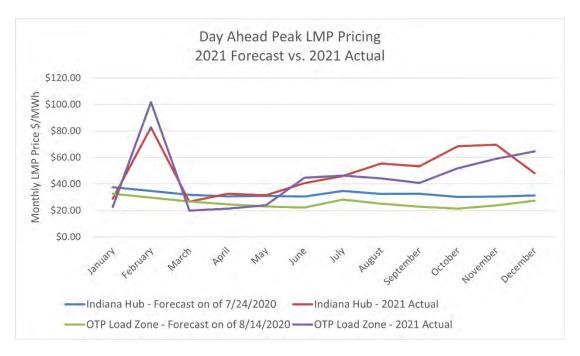




2021 Indiana Hub DA peak LMP pricing experienced an approximate 51% increase from the previous 3-year average. Similarly, Otter Tail load zone LMP pricing experienced an approximate 73% increase from the previous 3-year average.

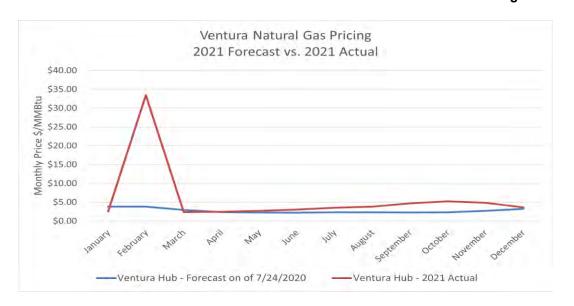
Projections of generation production, economic market purchases, and wholesale market energy charges are driven in large part by forecasted LMP pricing. Furthermore, natural gas forecasts generally drive LMP forecasts. This is due to natural gas generation facilities often being the marginal units, or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

### 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,

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

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

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

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

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

### 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.

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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	В	С	D
	Fo	recast 2021 Pla	anned 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	В	С	D
	A	ctual 2021 Pla	nned 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.

## PUBLIC DOCUMENT – NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Appendix A Section 6 Page 4 of 4

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

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.

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

Otter Tail has no activity to report for this item.

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

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

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.

### 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

Docket No. E017/AA-20-462 Appendix A Section 11 Page 4 of 4

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



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

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

#### INDEPENDENT ACCOUNTANT'S REPORT

#### Otter Tail Power Company:

We have performed the procedures enumerated below, 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.

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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.otpco.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 (<a href="https://www.edockets.state.mn.us/efiling">https://www.edockets.state.mn.us/efiling</a>). 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.st ate.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St  Duluth,  MN  558022191	Electronic Service	No	OFF_SL_15-1033_Official Service List
Charles	Drayton	charles.drayton@enbridge.	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600  Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Remi	Engbers	remi.engbers@woodsfuller.com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_15-1033_Official Service List
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_15-1033_Official Service List
Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280  Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_15-1033_Official Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Adam	Heinen	aheinen@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_15-1033_Official Service List
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_15-1033_Official Service List
Richard	Johnson	Rick.Johnson@lawmoss.co m	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Nick	Kaneski	nick.kaneski@enbridge.co m	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bill	Lachowitzer	blachowitzer@ibewlocal94 9.org	IBEW Local Union 949	12908 Nicollet Ave S  Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_15-1033_Official Service List
James D.	Larson	james.larson@avantenergy .com	Avant Energy Services	220 S 6th St Ste 1300  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_15-1033_Official Service List
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 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.co m	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@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_15-1033_Official Service List
Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
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.co m	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_15-1033_Official Service List
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List

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.st ate.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.	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@otpco.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@otpco.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.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-462_AA-20- 462
Annete	Henkel	mui@mnutilityinvestors.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.co m	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.co m	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	Lachowitzer	blachowitzer@ibewlocal94 9.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	kmaini@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

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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.co m	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@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_20-462_AA-20- 462
Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_20-462_AA-20- 462
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-462_AA-20-462
Tim	Rogelstad	trogelstad@otpco.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.c om	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.co m	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@otpco.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@xcele nergy.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@otpco.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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Mariah	Bevins	Maria.Bevins@whiteearthnsn.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.st ate.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@llojibwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW  Cass Lake, MN 56633	Electronic Service	No	OFF_SL_20-719_Official
Richard	Dornfeld	Richard.Dornfeld@ag.state .mn.us	Office of the Attorney General-DOC	Minnesota Attorney General's Office 445 Minnesota Street, Suite 1800 Saint Paul, Minnesota 55101	Electronic Service	Yes	OFF_SL_20-719_Official
Charles	Drayton	charles.drayton@enbridge.	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600  Edina, MN 55435	Electronic Service	No	OFF_SL_20-719_Official
Remi	Engbers	remi.engbers@woodsfuller.com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_20-719_Official
Kelly C.	Engebretson	Kelly.Engebretson@lawmo ss.com	Moss & Barnett	150 S. 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_20-719_Official
Michael	Fairbanks	Michael.Fairbanks@whitee arth-nsn.gov	White Earth Reservation Business Committee	PO Box 418  White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280  Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_20-719_Official
Jessica	Fyhrie	jfyhrie@otpco.com	Otter Tail Power Company	PO Box 496  Fergus Falls, MN 56538-0496	Electronic Service	No	OFF_SL_20-719_Official
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-719_Official
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_20-719_Official
Adam	Heinen	aheinen@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-719_Official
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official
Kristin	Henry	kristin.henry@sierraclub.or g	Sierra Club	2101 Webster St Ste 1300  Oakland, CA 94612	Electronic Service	No	OFF_SL_20-719_Official
Katherine	Hinderlie	katherine.hinderlie@ag.stat e.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_20-719_Official

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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.co m	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Nick	Kaneski	nick.kaneski@enbridge.co m	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
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	Lachowitzer	blachowitzer@ibewlocal94 9.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	kmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_20-719_Official
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 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
Гim	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.co m	Stoel Rives LLP	33 South Sixth St Ste 4200  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Matthew	Olsen	molsen@otpco.com	Otter Tail Power Company	215 South Cascade Street  Fergus Falls,  MN  56537	Electronic Service	No	OFF_SL_20-719_Official
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S  Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
David G.	Prazak	dprazak@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_20-719_Official
Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_20-719_Official
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-719_Official
Richard	Savelkoul	rsavelkoul@martinsquires.c om	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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Robert H.	Schulte	rhs@schulteassociates.co m	Schulte Associates LLC	1742 Patriot Rd  Northfield, MN 55057	Electronic Service	No	OFF_SL_20-719_Official
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350  Saint Paul,  MN  55101	Electronic Service	Yes	OFF_SL_20-719_Official
Janet	Shaddix Elling	jshaddix@janetshaddix.co m	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_20-719_Official
Cary	Stephenson	cStephenson@otpco.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@otpco.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_20-719_Official
Laurie	Williams	laurie.williams@sierraclub. org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste Denver, CO 80202	Electronic Service 200	No	OFF_SL_20-719_Official
Laurie	York	laurie.york@whiteearth- nsn.gov	White Earth Reservation Business Committee	PO Box 418  White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official

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	Electronic Service	No	OFF_SL_20-719_Official
				Minneapolis, MN 55402			