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February 26, 2021

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

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

RE: In the Matter of Otter Tail Power Company's Petition for Approval of the Annual Forecasted Rates for its Energy Adjustment Rider, Rate Schedule 13.01 Docket No. E017/AA-19-297

Dear Mr. Seuffert:

Otter Tail Power Company (Otter Tail) hereby submits to the Minnesota Public Utilities Commission (Commission) its 2020 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.

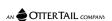
Various portions and attachments to this filing contain information that Otter Tail considers trade secret. Otter Tail believes this filing comports with the Commission's Notice relating to Revised Procedures for Handling Trade Secret and Privileged Data, pursuant to Minn. R. 7829.0500. As required by 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
An Equal Opportunity Employer



STATEMENT REGARDING JUSTIFICATION FOR EXCISING TRADE SECRET INFORMATION

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

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

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

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

Date prepared: February 26, 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-19-297

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 2020.

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-19-297

PETITION OF OTTER TAIL POWER COMPANY

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, 2020. 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

1. Prior Commission Actions

On December 19, 2017, in Docket No. E999/CI-03-802, the Minnesota Public Utilities Commission (Commission) issued its *Order Approving New Annual Fuel Clause Adjustment Requirements and Setting Filing Requirements (December 2017 Order)* in which the Commission approved the Consumer Advocates¹ proposal to reform the Fuel Clause Adjustment (FCA) process. The December 2017 Order required the utilities to submit compliance filings "addressing implementation of the Commission's decision" in order to "facilitate further discussion among the parties to develop a more complete framework for implementing the Consumer Advocate's proposal." Xcel Energy, Minnesota Power and Otter Tail Power (Electric Utilities) submitted FCA compliance filings on April 30, 2018 and the Consumer Advocates responded to these FCA compliance filings on June 29, 2018.

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

On December 12, 2018, the Commission issued its *Order Revising Implementation Date, Establishing Procedural Requirements, and Varying Rule.* The Commission's December 2018 Order made several adjustments to the new FCA process, including an implementation date of January 1, 2020, true-up compliance filings to be filed March 1 of the year following the relevant calendar year, discontinuing monthly automatic adjustment filings, and addressed rule variances. The Commission ordered the Electric Utilities to work with the Consumer Advocates to identify further required rule variances, finalize the forecast and true-up filing schedules for the annual fuel clause proceedings, develop a standard for determining what qualifies as a significant unforeseen impact that would justify an adjustment to the approved fuel clause rates, and develop a mechanism to address the potential for regulatory lag in recovering actual fuel costs, which may include implementation of provisional rates.

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 initial 2020 forecasted fuel costs was based on 5,032,227 MWhs in sales resulting in total system fuel costs of \$129,715,063, for an average fuel cost of \$25.777/MWh.

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 is 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 shall submit one true-up filing for the period of July 1, 2018-December

31, 2019. This filing shall be submitted no later than January 31, 2020 and shall 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, shall be incorporated into the annual true ups that will be processed under the new FCA reform mechanism.

On July 1, 2019, the Department filed comments in Docket No. E017/AA-19-297 recommending adjustments to the net system FCA cost and requesting more information from Otter Tail.

On July 31, 2019, Otter Tail filed reply comments with recommended revisions and additional information requested by the Department. Otter Tail revised the forecasted 2020 system fuel costs to be \$129,421,381, which resulted in a revised average cost of \$25.719/MWh. The Commission approved Otter Tail's revisions in its Order dated December 18, 2019 and Otter Tail began implementing its monthly forecasted rates on January 1, 2020.

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 period², effective with bills dated March 1, 2020 and continuing for 12 months. The amount of true-up was a credit of (\$1,410,325), which equates to an annual true-up credit of (\$0.0005) per kWh that will be refunded in the monthly rates applied to sales that are subject to FCA from March 1, 2020 through February 28, 2021. The compliance report and annual true-up credit of (\$0.0005) per kWh were approved in the Order dated May 22, 2020.

On May 14, 2020, Otter Tail submitted a Supplemental Filing requesting approval of a reduction to fuel cost charges for the July – September 2020 period in Docket No. E017/AA-19-297, because of an approximately \$3.6 million over-collection in the FCA between January – March 2020. The refund would be a reduction to the approved July – September 2020 EAR rates by (\$0.0057) per kWh. This reduction was approved in the Order dated July 13, 2020.

On October 12, 2020, Otter Tail filed Reply Comments addressing the Department's letters recommending Otter Tail refund approximately (\$8.4) million for FCA over collection between April – September 2020. The Commission approved Otter Tail's refund with its November 16,

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

2020, Order, which would be a reduction to the approved January to June 2021 EAR rates by (\$0.0061) per kWh.

2. This Filing

In this filing, Otter Tail submits for approval, its proposed true-up of final FCA costs and collections for calendar year 2020, along with analysis of various factors that contributed to the variances that occurred between forecasted costs for 2020 and actual costs for 2020 and demonstrating that Otter Tail's FCA costs for 2020 were reasonable and prudent.

Calendar year 2020 yielded substantially different results (lower costs) than what was forecasted for purposes of setting 2020 rates, due in part to economic conditions related to the COVID-19 pandemic which put downward pressure on both energy usage (lower sales), as well as lower energy market prices. As a result, on a system-wide basis, Otter Tail's actual EAR recoverable costs for 2020 were \$97,122,863 as compared to Otter Tail's forecasted costs for 2020 of \$129,421,381. 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 2020 system costs were \$49,200,166. Total collections from customers in 2020 based on forecasted rates implemented in 2020 were \$61,936,710, resulting in an over collection of (\$12,736,544) before refunds. As noted earlier, Otter Tail has already refunded (\$3,295,635) during 2020 for its Q1 over-collection and is in the process of refunding (\$8,383,674) attributable to Q2 and Q3 2020 over-collections, as authorized by the Commission. The Q2 and Q3 refunds are being returned to customers during the first six months of 2021.

This filing seeks approval for Otter Tail to refund (\$1,246,144³) of estimated remaining over-recoveries from 2020 and Otter Tail's prior year true-up period.

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.

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³ This amount includes an estimated February 28, 2021 balance of \$188,910 that Otter Tail estimates will still need to be refunded from Otter Tail's prior 18-month true-up for the July 2018 – December 2019 recovery period. This prior period over-collection was being returned to customers during the March 1, 2020 to February 28, 2021 timeframe.

III. SUMMARY OF FILING

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

IV. GENERAL FILING INFORMATION

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

A. Name, Address, and Telephone Number of Utility

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

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

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

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

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

C. Date of Filing and Proposed Effective Date of True-Up

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

Consistent with the filing requirement in Minn. R. 7825.2840, the date of this filing is February 26, 2021. 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 Antitrust and 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**

1. 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 2020 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 2020; 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 notes it has already taken actions during the course of 2020 to address the over-collections Otter Tail realized during the first three quarters of the year as evidenced by the previous supplemental filings Otter Tail made in this Docket to implement early refunds of over-collections. The Commission approved⁴ each of these requests. Otter Tail's proposed final true-up in this filing will be an additional refund to customers.

2. Key Results and Analysis Overview

Table 1 below provides key datapoints that provide insight into Otter Tail's FCA actual results for 2020 relative to forecast. As the table indicates, the total actual cost per MWH was \$20.307 per MWh, over 20% lower than forecast, and total actual costs were \$97,122,862 for 2020, nearly 25% below forecast. These results were driven in part by lower overall sales in 2020 and

⁴ Commission Orders dated July 13, 2020 and November 16, 2020 in this Docket.

significantly lower market prices for energy in 2020 that resulted in increased levels of market purchases to serve Otter Tail's load.

Table 1 2020 FCA Summary (Total System)

	Actual	Forecast	Variance	Variance %
Average Cost Per MWh	\$20.307	\$25.719	(\$5.412)	(21.04%)
MWh Sales Subject to COE	4,782,786	5,032,227	(249,441)	(4.96%)
Total Cost (Fuel & Purchased	\$97,122,862	\$129,421,381	\$(32,298,519)	(24.96%)
Power)				
Average On-Peak LMP Prices @	\$19.95	\$30.10	(\$10.15)	(33.72%)
OTP.OTP				
Average Off-Peak LMP Prices	\$13.61	\$21.59	(\$7.98)	(36.96%)
@ OTP.OTP				
MWhs of PPAs and Market	2,693,390	2,477,900	215,490	8.70%
Purchases				
Total Cost of PPAs and Market	\$56,861,382	\$75,064,600	(\$18,203,218)	(24.25%)
Purchases				
Average Cost of PPAs and	\$21.11	\$30.29	(\$9.18)	(34.48%)
Market Purchases				

A more detailed analysis of actual 2020 FCA recoverable costs in comparison to forecasted costs and associated rates from 2020 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 2020 compared to actual costs.
- 2. Forecasted kWh sales for 2020 compared to actual kWh sales.
- 3. Forecasted rates for 2020 compared to actual rates.
- 4. Forecasted market prices for 2020 compared to actual market prices.
- 5. Forecasted generation and associated fuel costs compared to actual generation and associated costs, a discussion on changes in plant operations implemented in 2020, as well as a review of overall plant availability and associated forced outages.
- 6. Forecasted purchased power costs authorized for FCA recovery including PPAs and market purchase compared to actual results.

- 7. Forecasted MISO and SPP wholesale market charges compared to actual results.
- 8. Forecasted asset-based sales compared to actual results.

Summary monthly forecast and actual results for 2020 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 2020, 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.

OTP provides additional analysis associated with total FCA collections for 2020 relative to actual costs incurred and quantifies the applicable true-up balance subject to refund, 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.

3. 2020 Total Costs Significantly Lower than Forecast.

Table 2 below summarizes OTP actual monthly FCA costs for 2020 compared to forecasted costs. As noted earlier, Attachment 2 to this filing provides a further categorical breakdown of forecasted and actual monthly costs for 2020. Further discussion and analysis of these results follows.

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

Month	Actual	Forecast ⁵	Variance
January 2020	\$9,332,364	\$14,502,885	(\$5,170,520)
February 2020	\$10,452,068	\$12,634,626	(\$2,182,558)
March 2020	\$10,372,001	\$11,496,469	(\$1,124,467)
April 2020	\$7,824,207	\$10,256,151	(\$2,431,944)
May 2020	\$5,870,251	\$9,187,126	(\$3,316,875)
June 2020	\$6,575,321	\$8,963,352	(\$2,388,030)
July 2020	\$8,308,216	\$10,600,494	(\$2,292,279)
August 2020	\$7,865,824	\$10,565,657	(\$2,699,833)
September 2020	\$5,801,508	\$9,515,539	(\$3,714,032)
October 2020	\$7,697,716	\$9,922,678	(\$2,224,962)
November 2020	\$7,330,897	\$9,982,342	(\$2,651,445)
December 2020	\$9,692,490	\$11,794,063	(\$2,101,573)
Total	\$97,122,863	\$129,421,381	(\$32,298,518)

4. 2020 Sales Lower than Forecast

Otter Tail's 2020 FCA forecast was developed using the most current sales forecast available at the time of its May 1, 2019 initial filing. One of the factors contributing to lower overall system FCA costs for 2020 is the fact that overall kWh sales were down approximately 5% relative to forecast. Otter Tail did see some impact to sales as a result of the Covid-19 pandemic as overall weather normalized sales were estimated to be approximately (2.3%) lower than 2019 system-wide levels, with reductions seen in Otter Tail's commercial and industrial classes. Heating degree days (HDD) for 2020 were also approximately (1.7%)⁶ below average in 2020. Table 3 below shows the actual billed kWh sales compared to forecast for 2020:

⁵ Approved per Commission Order dated December 18, 2019 in this Docket.

⁶ Normal HDD = 6351, Actual 2020 HDD = 6174

Table 3
Monthly kWh Sales
Forecast to Actual Comparison
Total System

Month	Actual	Forecast ⁷	Variance
January 2020	525,803,882	516,145,946	9,657,936
February 2020	485,700,007	461,351,280	24,348,727
March 2020	447,004,344	447,936,557	(932,213)
April 2020	424,301,304	392,321,425	31,979,879
May 2020	342,631,227	365,688,288	(23,057,061)
June 2020	318,787,814	360,590,709	(41,802,895)
July 2020	377,629,725	393,002,979	(15,373,254)
August 2020	370,769,899	390,291,493	(19,521,594)
September 2020	348,118,753	372,297,486	(24,178,733)
October 2020	340,535,416	396,746,982	(56,211,566)
November 2020	381,354,135	440,853,742	(59,499,607)
December 2020	420,149,651	494,999,959	(74,850,308)
Total	4,782,786,157	5,032,226,846	(249,440,689)

5. Comparison of Forecasted Rates to Actual Costs Per kWh

Table 4 below provides Otter Tail's actual average cost of fuel and purchased power for calendar year 2020 was \$0.020307 per kWh compared to a forecast of \$0.025719 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.

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⁷ December 18, 2019 Order in Docket No. E017/AA-19-297

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

Month	Actual	Forecast ⁸	Variance
January 2020	\$0.017749	\$0.028098	(\$0.010350)
February 2020	\$0.021520	\$0.027386	(\$0.005867)
March 2020	\$0.023203	\$0.025665	(\$0.002462)
April 2020	\$0.018440	\$0.026142	(\$0.007702)
May 2020	\$0.017133	\$0.025123	(\$0.007990)
June 2020	\$0.020626	\$0.024857	(\$0.004231)
July 2020	\$0.022001	\$0.026973	(\$0.004972)
August 2020	\$0.021215	\$0.027071	(\$0.005856)
September 2020	\$0.016665	\$0.025559	(\$0.008894)
October 2020	\$0.022605	\$0.025010	(\$0.002405)
November 2020	\$0.019223	\$0.022643	(\$0.003420)
December 2020	\$0.023069	\$0.023826	(\$0.000757)

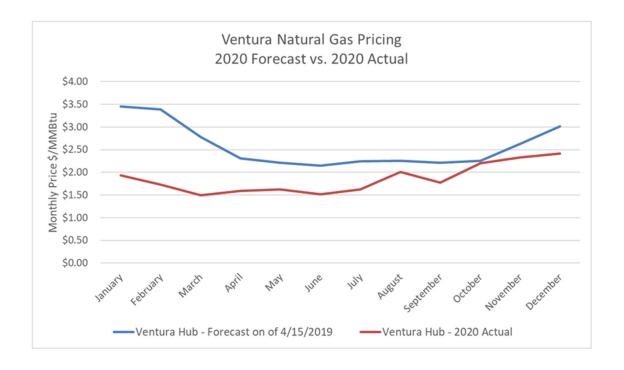
6. 2020 Market Prices for Natural Gas and Energy Significantly Impacted Total Costs

i) 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 2020 as pricing for much of the year remained below \$2.00 per MMBtu for the first three quarters of the year and between \$2.00 and \$2.50 in Q4. The graph below compares the 2020 actual average monthly Ventura Hub natural gas prices relative to the forecasted prices from April 15, 2019 that were used as key inputs into Otter Tail's FCA modeling to determine plant dispatch and associated market purchases included in Otter Tail's forecasted rates.

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⁸ December 18, 2019 Order in Docket No. E017/AA-19-297



ii) LMP Prices

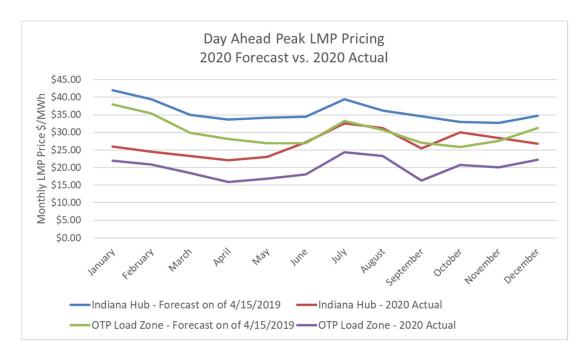
A key input in Otter Tail's Strategist model which was used to develop 2020 forecasted rates is forecasted LMP prices. The model uses those prices to estimate how generating resources will be dispatched based on their respective operating costs to meet forecasted load. When market prices are lower than the fuel costs to generate, the model assumes market purchases will meet load, just like the real market works.

Otter Tail's forecasted 2020 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 2020 Otter Tail Power forecast utilized the April 15, 2019 Indiana Hub forward price curve.

Actual 2020 Indiana Hub pricing, compared to the April 15, 2019 forward Indiana Hub price curve, dropped approximately 25%. Similarly, actual 2020 Otter Tail load zone pricing, compared to the forecasted April 15, 2019 Otter Tail load zone price curve, dropped approximately 33%. The reduction in LMP pricing is believed to be caused by a number of different factors, including, but not limited to, the very low natural gas pricing discussed earlier, ever increasing

renewable penetration throughout the MISO footprint, and notably, the impacts to system and broader market loads caused by the COVID-19 pandemic during 2020.

To illustrate, the Indiana Hub and Otter Tail load zone curves, forecast vs actual, are shown in the graph below.



Additional discussion on 2020 market conditions is included in Appendix A Section 3 7.C. of this filing.

7. Generation Output

As noted earlier, the Strategist model that Otter Tail used to develop its 2020 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.

i) Baseload Generation Utilization

Because market prices were lower in 2020, along with reduced loads, the actual dispatch of Otter Tail's baseload units and the associated MWh output was approximately 13.3% lower than forecasted. Fuel costs were approximately 10% lower as a result of the reduced output. Table 5 below summarizes actual baseload generation output and fuel costs for 2020 compared to forecast.

Table 5
2020 Baseload Generation
Forecast to Actual Comparison
(Total System)

	Actual	Forecast		Variance
Generating Unit	MWhs	MWhs	Variance	%
Big Stone Plant	897,937	1,097,400	(199,463)	-18.2%
Coyote Station	835,443	931,200	(95,757)	-10.3%
Hoot Lake Plant Unit 2	100,201	145,700	(45,499)	-31.2%
Hoot Lake Plant Unit 3	98,031	54,000	44,031	81.5%
Total Baseload Generation - MWhs	1,931,612	2,228,300	(296,688)	-13.3%
Total Baseload Fuel Costs ⁹	\$45,124,340	\$50,336,035	(\$5,211,695)	-10.4%

ii) Operational Changes – Big Stone Plant

Otter Tail is a co-owner of Big Stone Plant (53.9%) along with Northwestern Energy (23.4%) and Montana-Dakota Utilities Co. (22.7%). Otter Tail is also a joint owner of Coyote Station (35%) along with Minnkota Power Cooperative (30%), Montana-Dakota Utilities Co. (25%) and Northwestern Energy (10%). 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 10 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

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⁹ Includes both costs of coal and fuel oil used at the plants.

¹⁰ More detailed information on 2020 Self-commit/Self-schedule operations will be available in Otter Tail's annual filing for 2020 to be filed on or before March 1, 2021 in Docket No. E999-CI-19-704.

economic dispatch basis. While at any time, any one of the co-owners can request their share of the unit¹¹ 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 2020 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.

Hoot Lake Plant is 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. The collective output from Hoot Lake Plant units 2 and 3 was in-line with forecasted amounts for 2020.

iii) Plant Availability

Baseload generating plant availability remained high in 2020 for Otter Tail's primary baseload units. Big Stone Plant experienced just one forced outage in 2020 and Coyote Station had four, all related to various tube leaks. Big Stone plant had a major overhauls/extended maintenance outage in 2018 and Coyote Station had one in 2019.

Hoot Lake Plant units 2 and 3 both experienced a higher number of forced outages during 2020. Most of these forced outages were tube leak related. Because Hoot Lake Plant is scheduled for retirement in the spring of 2021, maintenance levels are performed or adjusted to take into account the pending retirement and limited remaining life of the plant.

A complete listing of 2020 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. Low market prices throughout the year mitigated any negative impacts to overall costs from those outages as shown in Attachment 13 (marked as Not Public).

iv) Wind Generation

Output from Otter Tail's owned wind generation fleet was approximately 8% lower than forecasted for 2020. Otter Tail's new Merricourt Wind Energy Center had an assumed November commercial operation date included in forecast for 2020. While individual units were

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¹¹ 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.

being completed and commissioned into service during that time, final commercial operation of the entire wind farm occurred on December 21, 2020. As Table 6 below shows, a little more than half of the generation variance was attributable to Merricourt's timing.

Table 6
2020 OTP Owned Wind Generation
Forecast to Actual Comparison
(Total System)

	Actual MWhs	Forecast MWhs	Variance	Variance %
Langdon Wind	141,294	147,200	(5,906)	-4.0%
Ashtabula Wind	143,736	156,900	(13,164)	-8.4%
Luverne Wind	173,806	174,800	(994)	-0.6%
Merricourt Wind	49,788	73,100	(23,312)	-31.9%
Total Wind	508,624	552,000	(43,376)	-7.9%

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

A small percentage of Otter Tail's generation comes from a natural gas peaking unit at Solway, MN, several small oil peaking plants, as well as a small amount of hydro and small scale solar generating facilities. Otter Tail's Solway plant was dispatched at a slightly higher level than forecast in 2020. Low gas prices were primary contributor to its increased dispatch by MISO. Detailed forecast to actual results for all these plants can be found in Attachment 3 (marked as Not Public).

9. Market Purchases and Purchased Power Agreements

Otter Tail has been a party three long-term wind Purchased Power Agreements (PPAs) as part of our overall resource portfolio to serve our load. Addition energy is procured through shared service agreements and small cog-gen agreements. The majority of Otter Tail's purchased power comes through purchases in the MISO DA and RT markets, and certain forward bilateral energy purchases executed to hedge market price volatility during periods of peak load or when generating units are unavailable due to major planned outages.

Table 7 below provides a summary of these various resources and their respective MWh contributions to Otter Tail's overall resource needs in 2020 relative to forecast, as well as a summary of the overall forecasted and actual costs.

Table 7
2020 Purchased Power Summary
Forecast to Actual Comparison
(Total System)

	Actual	Forecast	Variance	Variance %
Wind PPAs – MWhs	327,673	359,500	(31,827)	-8.9%
Shared Loads/ Small Cogen -				
MWhs	139,377	132,600	6,777	5.1%
Bilateral and MISO Market				
purchases – MWhs	2,219,592	1,776,900	233,792	11.8%
Total Purchases - MWhs	2,686,642	2,477,900	208,742	8.4%
Total Purchases - Cost	\$56,861,382	\$75,064,600	(\$18,203,218)	-24.3%
Average Cost per MWh	\$21.16	\$30.29	(\$9.13)	(30.1%)

As noted in Table 7 above, Otter Tail's wind PPAs were approximately (8.9%) less than forecasted levels for 2020. Otter Tail's owned-wind facilities experienced a similar performance relative to forecast in 2020 as shown previously in Table 6. 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 2020.

The biggest impact to Otter Tail's fuel costs for 2020 was the increased amount of market purchases Otter Tail utilized to serve load. As discussed earlier, market prices were significantly lower in 2020 that what Otter Tail had forecasted when rates were set. As a result, Otter Tail's plants were dispatched less when other market resources were cheaper. Total bilateral and market-based purchases of 2,219,592 MWhs were nearly 12% higher than the 1,776,900 MWhs forecast in 2020. As a portfolio, overall purchased power of 2,686,642 MWhs was up approximately 8.4% over the 2,477,900 MWhs forecasted amount. Despite the increased volume, overall costs of purchased power were (\$18.2) million less than forecasted for 2020, accounting for a significant reduction in overall costs in 2020. The average cost per MWh was \$21.16 compared to the forecasted average cost of \$30.29 for the portfolio of resources summarized in Table 7.

10. 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 SPP¹² 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 2020 MISO and SPP Market Charges which, in aggregate, were forecasted to be an expense of approximately \$2.91 million, but resulted in a revenue credit of approximately (\$1.47) million. The largest variance occurred in the MISO market where FTR hourly allocation and DA loss amount variances yielded the largest favorable variances, offsetting smaller unfavorable RT congestion and RT distribution of loss amount variances. Detailed forecast to actual comparisons of all charge-types for both MISO and SPP can be found in Attachment 3 (marked as Not Public).

Table 8
2020 MISO and SPP Wholesales Market Charges
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
MISO Market Charges	(\$219,498)	\$3,593,071	(\$3,812,569)	-106.1%
SPP Market Charges	(\$1,248,310)	(\$686,970)	(\$561,340)	81.7%
Total Market Charges	(\$1,467,808)	\$2,906,101	(\$4,373,909)	-150.5%

11. Asset Based Sales

Otter Tail's forecasted fuel costs for 2020, 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 2020, Otter Tail realized approximately (\$4.28) million of asset-based sales that offset fuel costs and provided a small margin, all of which is credited back to through the fuel clause per

¹² Additional background information on Otter Tail load in SPP can be found in Appendix A Section 4 of this filing.

provisions of Otter Tail's EAR Tariff Section 13.01. Table 9 below summarizes 2020 Asset based forecast to actual results.

Table 9
2020 Asset Based Sales
Forecast to Actual Comparison
Expense (Revenue)
(Total System)

	Actual	Forecast	Variance	Variance %
Fuel Costs of Asset Based Sales	(\$4,312,639)	(\$127,367)	(\$4,185,272)	-106.1%
Margin on Asset Based Sales	(\$119,591)	(\$23,693)	(\$95,898)	81.7%
Total Asset Based Sales	(\$4,432,230)	(\$151,060)	(\$4,281,170)	-150.5%

12. 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 2020 but impacts were not material. Forecast to actual details can be found in Attachments 2 and 3 as for these items.

13. True-Up Balance as of December 31, 2020

Attachment 1 to this filing provides the monthly detail of total system sales, total system FCA costs, monthly recovery of costs and remaining true-up balances. The amount of this year's true-up is a credit of \$1,246,144 as summarized in Table 10 below. The calculation of the annual true-up credit of (\$0.0005) per kWh can be found in Attachment 1.

Table 10 2020 Annual True-Up Rate MN Share

Line	Item	Amount
1	Total recovery from forecasted EAR and base rates before refunds:	\$61,936,710
2	Actual energy costs (MN Share)	\$49,200,166
3	Over/(Under) Recovery	\$12,736,635
4	Q1 over-collection refunded in Q3	(\$3,295,365)
5	Q2 and Q3 over-collection being refunded in Q1&Q2 of 2021	(\$8,383,674)
6	Plus estimated True-up balance from prior period yet to be refunded	\$188,910
7	Total Annual True-up	\$1,246,144

Line 3 in Table 10 above shows that total collections based on approved rates were approximately \$61.9 million, yielding an over-collection of over \$12.7 million. This amount does not consider any amounts refunded. As noted earlier and reflected in Attachment 1, Otter Tail refunded the approximately (\$3.3 million) Q1 over-collection to customers in Q3 of 2020 and is currently refunding the (\$8.4) million Q2/Q3 over-collection during the first half of 2021. Since March of 2020, Otter Tail has also been refunding an approximately (\$1.4) million over-collection that occurred in the July 2018 to December 31 recovery period under the old FCA mechanism. That refund was included in rates for the 12 months beginning March 1, 2020. Otter Tail estimates that approximately \$189,000 will still need to be refunded as of February 28, 2021 and has proposed to include that balance in this true-up, as reflected on Line 6 in Table 10 above.

Otter Tail proposes to implement its annual true-up for the January through December 2020 true-up period, starting with bills dated September 1, 2021 and continuing for 12 months. The true-up rate will be incrementally added to the approved monthly rates that will be refunded in the monthly rates applied to sales that are subject to the FCA from September 1, 2021 through August 31, 2022. This is reflected in Attachment 1 (Otter Tail's 2020 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 which will be in effect for recovery periods beginning January 1, 2020:

"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 0.001ϕ), the true-up balance will carry over to the next year's true-up.

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

be applied to Customers' bills in the same manner as the monthly cost of energy adjustment."

This annual true-up for 2020 under the new FCA mechanism is being filed on or before March 1, 2021. 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.

B. 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. Appendix B provides a guide to what was previously reported in past AAA dockets and what is now required to be included in this annual True-Up filing.

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, 2020. It includes the following:

Appendix A Section 2.1 Subpt. 1.A. Commission Approved Base Cost of Fuel

Appendix A Section 2.2 Subpt. 1.B. Billing Adjustment Amounts

Subpt. 1.D. Total Cost of Fuel Delivered to Customers Appendix A Section 2.3

Appendix A Section 2.4 Subpt. 1.E. Revenue Collected from Customer for Energy Delivered

Appendix A Section 2.5 Subpt. 1.G. The Amount of Refunds

Additional Reporting Requirements

Passing MISO Day 2 Costs Through Fuel Clause Order in Appendix A Section 3

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 C contains the Independent Accountants' Report for the period of January 1 to December 31, 2020.

Minn. R. 7825.2830 Annual Five-Year Projection

Otter Tail submitted its Five-Year Projection as part of its 2020 Forecasted FCA rates filing submitted May 1, 2019 in Docket No. E017/AA-19-297.

Minn. R. 7825.2830 Notice of Reports Availability

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

IV. **CONCLUSION**

Otter Tail's fuel clause expenses were substantially lower than forecasted for 2020 which

caused over-collections to occur throughout the year. Otter Tail's over-collection of costs have or

are currently being refunded to customers as a result of two prior Commission Orders in 2020.

Otter Tail's actual costs were reasonable and prudent for 2020. There remains a true-up balance to

be returned to customers which Otter Tail respectfully requests Commission approval of, as

proposed in this filing. Otter Tail also seeks Commission approval of all reporting and compliance

components of this annual automatic adjustment of charges report as required by rules and prior

Commission orders.

Dated: February 26, 2021

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
Attachment 7	Monthly Cost Components by Fuel Type (Not Public)
Attachment 8	MISO Module E (Not Public)
Attachment 9	MISO Day 2 Charges – MN Share
Attachment 10	MISO Day 2 by Retail, Asset, NonAsset
Attachment 11	SPP Charges
Attachment 12	Generation Maintenance Expense
Attachment 13	Plant Forced Outage (Not Public)
Attachment 14	Wind Curtailment (Not Public)
Attachment 15-18	MISO ASM Charges
Appendix A	Compliance Items (Not Public)
Appendix B	True-Up Filing to Legacy AAA Filing Reporting Content
Appendix C	Rule 7825.2820 Independent Auditor's Report
Appendix D	Rule 7825.2830 Notice of Report Availability

Otter Tail Power Company True-up for kWh subject to FCA Docket E017/AA-19-297 Calculation of Annual True-up - January 2020 through December 2020

(A) (B) (C) (H) (I) (J)

					Refund of Q1 2020 Tracker	Refund of Q1 2020 Tracker				
Line No.	Month	MN FCA Revenue	True-up Rate	Subtract Last Year's True-up (C)*(H)	Balance in Q3 2020 True-up Rate	Balance in Q3 2020 (E)*(H)	Net FCA Revenue (B)-(D)-(F)	MN kWh Sales Subject to COE	Total System Energy Cost	Total System Sales
1	Jan-20	(\$474,998)	\$0.0000	\$0	\$0	\$0	(\$474,998)	251,533,701	\$9,332,364	525,803,882
2	Feb-20	\$748,687	\$0.0000	\$0	\$0	\$0	\$748,687	233,142,380	\$10,452,068	485,700,007
3	Mar-20	\$501,316	(\$0.0005)	(\$108,912)	\$0	\$0	\$610,227	217,823,722	\$10,372,001	447,004,344
4	Apr-20	\$137,639	(\$0.0005)	(\$105,515)	\$0	\$0	\$243,153	211,029,239	\$7,824,207	424,301,304
5	May-20	\$134,980	(\$0.0005)	(\$88,804)	\$0	\$0	\$223,784	177,607,596	\$5,870,251	342,631,227
6	Jun-20	(\$12,417)	(\$0.0005)	(\$84,022)	\$0	\$0	\$71,605	168,043,092	\$6,575,321	318,787,814
7	Jul-20	(\$237,995)	(\$0.0005)	(\$100,022)	(\$0.0057)	(\$1,140,252)	\$1,002,278	200,044,163	\$8,308,216	377,629,725
8	Aug-20	(\$759,051)	(\$0.0005)	(\$98,556)	(\$0.0057)	(\$1,123,535)	\$463,039	197,111,402	\$7,865,824	370,769,899
9	Sep-20	(\$749,698)	(\$0.0005)	(\$90,513)	(\$0.0057)	(\$1,031,848)	\$372,663	181,026,006	\$5,801,508	348,118,753
10	Oct-20	(\$735,129)	(\$0.0005)	(\$89,828)	\$0	\$0	(\$645,301)	179,656,589	\$7,697,716	340,535,416
11	Nov-20	(\$137,040)	(\$0.0005)	(\$96,519)	\$0	\$0	(\$40,521)	193,037,070	\$7,330,897	381,354,135
12	Dec-20	(\$472,337)	(\$0.0005)	(\$106,396)	\$0	\$0	(\$365,941)	212,792,375	\$9,692,490	420,149,651
13	Totals	(\$2,056,044)		(\$969,086)		(\$3,295,635)	\$2,208,677	2,422,847,336	\$97,122,863	4,782,786,157
14		KWH subject to COE		2,422,847,336						
15 16		Recovery from FCA Recovery from base		\$2,208,677) \$59,728,033						
17		Total adjusted recove	ry (2	\$61,936,710			% over/(under)			
18 19		Actual energy cost Over/(under) recover	(3) ry (4)				Recovery (5) 2.15%			
20		Q1 2020 tracker bala	ince refund (6							
21		Q2/Q3 2020 track ba in Q1/Q2 2		(\$8,383,674)						
22		Plus over collection	from prior year (8)	\$188,910						
23		Refund to Customers	s	\$1,246,144						
24		Forecasted kWh Sept. 2021 -	- Aug. 2022 (9)) 2,685,989,496						
25		Annual True-up Fact	or (1	(a) \$0.0005						
26		Base cost =	\$0.024652 No	ovember 2017 to pres	ent					

- (1) Recovery from base cost: \$0.024652 x MN kWh sales subject to FCA (Nov 2017 to present) (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) Amount refunded of Q1 2020 FCA Tracker Balance

- (7) Amount of refund for Q2 and Q3 2020 FCA Tracker Balance (8) Over(Under) Collection / MN kwh sales subject to COE:
- If Otter Tail over collects (over recovers) or under refunds the prior period's true-up, the amount due the customer is included in the calculation of the next year's true-up.
- (9) 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."

 (10) Refund to customers / Forecasted kWh September 2021 through August 2022

Minnesota COE Calculation

Line

FORECASTED COSTS

o. A	В	С	D	E	F	G	н	1	J	K	L	М	N
1 Rate Effective month	January-20	February-20	March-20	April-20	May-20	June-20	July-20	August-20	September-20	October-20	November-20	December-20	Year End
2 Based on Period Ending	01/31/20	02/29/20	03/31/20	04/30/20	05/31/20	06/30/20	07/31/20	08/31/20	09/30/20	10/31/20	11/30/20	12/31/20	Total
3 Plant Generation	\$5,264,990	\$4,830,622	\$4,743,128	\$3,070,133	\$3,717,882	\$3,684,034	\$4,267,287	\$4,771,511	\$3,743,346	\$2,987,412	\$4,520,693	\$5,964,895	\$51,565,935
4 Wholesale Market Charges	\$306,452	\$276,164	\$280,678	\$245,914	\$225,665	\$96,828	\$210,048	\$210,919	\$237,997	\$250,065	\$271,867	\$293,505	\$2,906,101
5 Purchased Power	\$8,928,100	\$7,515,900	\$6,472,100	\$6,918,800	\$5,185,000	\$5,274,600	\$6,156,900	\$5,594,500	\$5,597,800	\$6,662,300	\$5,192,000	\$5,566,600	\$75,064,600
6 Wind Curtailment	\$14,354	\$7,271	\$7,020	\$17,977	\$74,015	(\$16,195)	(\$4,504)	\$8,368	\$4,461	\$31,876	\$2,354	\$6,311	\$153,308
7 Fuel costs of Asset-Based Sales	\$0	\$0	\$0	\$0	\$0	(\$44,306)	(\$2,185)	\$0	(\$34,471)	(\$4,561)	(\$15,693)	(\$26,150)	(\$127,367)
8 MISO ASM	(\$11,011)	\$4,670	(\$6,457)	\$3,327	(\$15,437)	(\$25,185)	(\$26,206)	(\$19,641)	(\$29,365)	(\$4,076)	\$14,328	(\$2,448)	(\$117,503)
9 MN Asset-Based Margins	\$0	\$0	\$0	\$0	\$0	(\$6,424)	(\$845)	\$0	(\$4,229)	(\$339)	(\$3,207)	(\$8,650)	(\$23,693)
10 Fuel Costs and Purchase Power for System Use	\$14,502,885	\$12,634,626	\$11,496,469	\$10,256,151	\$9,187,126	\$8,963,352	\$10,600,494	\$10,565,657	\$9,515,539	\$9,922,678	\$9,982,342	\$11,794,063	\$129,421,381
11 Energy for System Use (kWh)	516,145,946	461,351,280	447,936,557	392,321,425	365,688,288	360,590,709	393,002,979	390,291,493	372,297,486	396,746,982	440,853,742	494,999,959	5,032,226,845
12 Forecast Cost per kWh	0.028098	0.027386	0.025665	0.026142	0.025123	0.024857	0.026973	0.027071	0.025559	0.025010	0.022643	0.023826	0.025719
13 Base Cost	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	0.024652	
14 EAR Rate Approved October 2019	0.003446	0.002734	0.001013	0.001490	0.000471	0.000205	0.002321	0.002419	0.000907	0.000358	(0.002009)	(0.000826)	
15 Prior Period Annual True-Up Factor Approved May 2020	0.000000	0.000000	(0.000500)	(0.000500)	(0.000500)	(0.000500)	(0.000500)	(0.000500)	(0.000500)	(0.000500)	(0.000500)	(0.000500)	
16 Q1 2020 Over Collection Approved July 2020	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	(0.005700)	(0.005700)	(0.005700)	0.000000	0.000000	0.000000	
17 EAR Rate With Approved True Up and Q1 Refund	0.003446	0.002734	0.000513	0.000990	(0.000029)	(0.000295)	(0.003879)	(0.003781)	(0.005293)	(0.000142)	(0.002509)	(0.001326)	

ACTUAL COSTS

							AC	TUAL COST	3					
ne o. A		В	С	D	E	F	G	Н	1	J	К	L	М	N
18 Rate Effective month	Jani	uary-20	February-20	March-20	April-20	May-20	June-20	July-20	August-20	September-20	October-20	November-20	December-20	Year End
19 Based on Period Ending	01.	/31/20	02/29/20	03/31/20	04/30/20	05/31/20	06/30/20	07/31/20	08/31/20	09/30/20	10/31/20	11/30/20	12/31/20	Total
20 Plant Generation	\$ 4	1,805,270	\$ 4,629,333	\$ 4,300,388 \$	3,937,105 \$	1,826,503 \$	3,023,969 \$	4,729,520	\$ 4,157,148	\$ 2,668,144	\$ 3,680,602	\$ 3,829,825	\$ 4,708,410	\$46,296,216
21 Wholesale Market Charges	\$	(14,199)	\$ 27,810	\$ 211,358 \$	(10,524) \$	(118,015) \$	(839,547) \$	(492,906)	8,986	\$ 96,860	\$ (622,919)	\$ (247,928)	\$ 533,215	(\$1,467,808)
22 Purchased Power (1)	\$ 4	1,930,754	\$ 6,001,692	\$ 6,154,798 \$	4,251,950 \$	4,258,505 \$	4,629,708 \$	4,351,068	\$ 4,221,673	\$ 3,598,939	\$ 4,787,067	\$ 4,490,152	\$ 5,185,077	\$56,861,382
23 Wind Curtailment	\$	- :	\$ 953	\$ 2,812 \$	(907) \$	8,495 \$	31,393 \$	208,291	\$ (80,801)	\$ (8,569)	\$ 105,016	\$ 33,016	\$ (41,939)	\$257,760
24 Fuel costs of Asset-Based Sales	\$	(322,330)	\$ (203,193)	\$ (236,331) \$	(277,430) \$	(130,265) \$	(256,601) \$	(417,854)	\$ (335,040)	\$ (653,315)	\$ (205,274)	\$ (678,948)	\$ (596,056)	(\$4,312,639)
25 MISO ASM	\$	(37,649)	\$ (29,212)	\$ (26,545) \$	(37,889) \$	(3,352) \$	(12,448) \$	(66,053)	\$ (40,748)	\$ (39,394)	\$ (11,456)	\$ (38,095)	\$ (49,616)	(\$392,458)
26 MN Asset-Based Margins	\$	(29,482)	\$ 24,685	\$ (34,478) \$	(38,098) \$	28,381 \$	(1,152) \$	(3,850)	\$ (65,394)	\$ 138,843	\$ (35,322)	\$ (57,125)	\$ (46,600)	(\$119,591)
27 Fuel Costs and Purchase Power for System Use	\$9	9,332,364	\$10,452,068	\$10,372,001	\$7,824,207	\$5,870,251	\$6,575,321	\$8,308,216	\$7,865,824	\$5,801,508	\$7,697,716	\$7,330,897	\$9,692,490	\$97,122,862
28 Energy for System Use (kWh)	525	5,803,882	485,700,007	447,004,344	424,301,304	342,631,227	318,787,814	377,629,725	370,769,899	348,118,753	340,535,416	381,354,135	420,149,651	4,782,786,157
29 Actual Cost per kWh	(0.017749	0.021520	0.023203	0.018440	0.017133	0.020626	0.022001	0.021215	0.016665	0.022605	0.019223	0.023069	0.020307

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

				January	2020 F	orecast to /	Actual - Expense	(Revenue)	
			lanı	ary 2020	lanı	uary 2020	Forecast to Actual Variance	Forecast to Actual Variance	
				recast		uary 2020 Actual	Actual Variance	Actual Variance	Notes
Line		eneration		CTED DATA			·	.,	
2		Big Stone							
3		Coyote Hoot Lake #2							Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3							
5 6		Total Coal	s	5,178,090		4 670 690	PROTECT \$ (498,401)	ED DATA ENDS] -9.63%	
7		l otal Coal		5,178,090 ECTED DATA			\$ (498,401)	-9.63%	
8		Langdon Wind							
9 10		Ashtabula Wind							
11		Luverne Wind Merricourt							Merricourt does not come into service until 2020
12							PROTECT	ED DATA ENDS]	
13		Total Wind	\$	-	\$	-	\$ -	0.00%	
14 15		Total Hydro	s		\$		s -	0.00%	
16			[PROTE	CTED DATA	A BEGI	NS			
17 18		Jamestown 1 Jamestown 2							
19		Lake Preston							
20		Fergus Control Center							
21		Total Oil - Peaking Units	•	27.300		18,327		ED DATA ENDS] -32.87%	
23		Total Oil - Peaking Units		27,300 ECTED DATA			\$ (8,973)	-32.81%	
24		Natural gas - Solway							
25 26		Natural gas - Astoria					PROTECT	ED DATA ENDS]	Astoria Station does not come into service until 2020
27		Total Natural Gas	\$	59,600	\$	107,254			
28			[PROTE	CTED DATA	A BEGI	NS			
29 30		Solar - Blue Jay Solar - Blue Heron							
31		Solal - Dide Heron				-	PROTECT	ED DATA ENDS]	
32		Total Solar	\$		\$	-	\$ -	0.00%	
33 34		Total OTP-Owned	s	5,264,990	•	4,805,270	\$ (459,720)	-8.73%	
35			•	3,204,330	Ģ	4,000,270	\$ (405,720)	-0.7376	
36		ale Market Charges							
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	s	-	\$	-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$		\$	-	\$ -	0.00%	
40		DA Non-asset Energy Amount***	\$	-	\$	-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
41 42	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$	(209,097)	\$	(131,734)	\$ - \$ 77,363	-37.00%	Energy Amounts - included/embedded within Market Purchases
43	555.21	RT FBT Loss Amount	\$	-	\$	-	\$ -	0.00%	
44 45		DA Loss Amount RT Loss Amount	\$	550,165 32,179	\$	346,189 6,338	\$ (203,976) \$ (25,841)	-37.08% -80.30%	
46		RT Non-Asset Energy Amount***	\$		\$	- 0,330	\$ (25,641)		Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$		\$	-	\$	0.00%	97
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	\$	-	\$	-	\$ -	0.00%	
50	555.01	DA Mkt Admin Amount	\$	59,283		74,927	\$ - \$ 15.643	26.39%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$	6,014	\$	8,128	\$ 2,114	35.14%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.13	FTR Mkt Admin Amount DA FBT Congestion Amount	\$	1,659	\$	2,189	\$ 530 \$ -	31.97% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion	\$	155,056		(35,029)		-122.59%	
55	555.20	RT FBT Congestion Amount	\$	-	\$	-	\$ -	0.00%	
56 57	555 14	RT Congestion FTR Hourly Allocation Amount	\$	14,805 (204,631)		(5,140) (182,398)		-134.72% -10.86%	
58	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$	(13,949)	\$	(13,955)	\$ (6)	0.04%	
59	555.17	FTR Yearly Allocation Amount	\$	(3,835)	\$	(1,197)	\$ 2,638	-68.78%	
60 61		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$	(9,614) 11,096	\$	(4,427)	\$ 9,614 \$ (15,523)	-100.00% -139.90%	
62	555.37	FTR Guarantee Uplift Amount	\$	(8,670)		11,779		-235.86%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$	(164,322)	\$	(246,272)	\$ (81,950)	49.87%	
64 65	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$	164,375 4,134		246,048 4,623	\$ 81,674 \$ 490	49.69% 11.84%	
66	555.41	FTR Auction Revenue Rights Inteasible Oplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$	(29,503)	\$	(31,268)		5.98%	
67	555.07	DA Congestion Rebate on Option B GFA	\$	-	\$	-	\$ -	0.00%	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	16,344 (546)		8,141 (1,339)		-50.19% 145.12%	
70		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$	30,713		(1,339) 4,224		145.12% -86.25%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	(26,781)	\$	-	\$ 26,781	-100.00%	
72	555.42	RT Price Volatility Make Whole Payment	\$	(21,088)		(8,283)	\$ 12,805	-60.72% -45.32%	
73 74		RT Revenue Neutrality Uplift Amount RT Misc Amount	\$	60,288 18,489		32,965 74		-45.32% -99.60%	
75	555.27	RT Net Inadvertent Amount	\$	2,543	\$	3,681		44.79%	
76	555.31	RT Uninstructed Deviation Amount	\$	-	\$	-	\$ -	0.00%	
77 78	555.59 555.62	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$	(1,070)	\$	(1,443)	\$ (0) \$ (373)	-100.00% 34.84%	
	555.64	RT Ramp Product	\$	(97)	\$	(84)	\$ 13	-12.96%	
79		RT Schedule 49 Cost Distribution Amount	\$		\$	18,535	\$ 18,535	0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
80			-						
	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

84 85 86		D		— т		•	0.000/	
	555.06	DA Losses Rebate on COGA	\$		\$ -	\$ -	0.00%	
86	555.22	RT Congestion Rebate on COGA	\$		\$ -	\$ -	0.00%	
	555.23	RT Loss Rebate on COGA	\$			\$ -	0.00%	
87		Net Congestion and Losses Adjustment & No DA Generation Schedul	\$	-	\$ 5,243	\$ 5,243	0.00%	
88								
89		Total MISO Wholesale Market Charges	\$ 36	6,981	\$ 25,269	\$ (341,712)	-93.11%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90								
91		SPP Wholesale Market Charges						
92	555.19	DA Asset Energy Amount***	\$	-	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
93	555.03	DA Non-asset Energy Amount	\$		\$ -	\$ -	0.00%	
94	555.09	RT Asset Energy Amount***	\$	-	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$		\$ -	\$ -	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount	\$		\$ -	\$ (15)		
97	555.10	RT Make-Whole-Payment Distribution Amount	\$		\$ 18	\$ (125)		
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$		\$ -	\$ -	0.00%	
99		RT Revenue Neutrality Uplift Distribution Amount	\$		\$ 2	\$ (83)	-97.12%	
100		DA Regulation-Down Distribution Amount	\$	10		\$ (83)		
101	555.0 4	DA Regulation-Down Distribution Amount	\$	13		\$ (11)		
101								
	555.00	DA Spinning Reserve Distribution Amount	\$	18		\$ (15)		
103		DA Supplemental Reserve Distribution Amount	\$	2		\$ (2)		
104		RT Contingency Reserve Deployment Failure Amount	\$	(1)		\$ 1		
105		RT Over-Collected Losses Distribution Amount		2,587)		\$ 1,953		
106		RT Regulation-Down Distribution Amount	\$	(1)		\$ 1		
107		RT Regulation Non-Performance Distribution Amount	\$	(0)		\$ 0		
108	555.14	RT Regulation-Up Distribution Amount	\$	(1)		\$ 1	-100.00%	
109	555.16	RT Spinning Reserve Distribution Amount	\$	(0)	\$ -	\$ 0		
110	555.17	RT Supplemental Reserve Distribution Amount	\$	(0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (2		\$ (18,442)	\$ 10,698	-36.71%	
112		RT Pseudo Tie Loss Amount		9,074)		\$ 8,716		
113		Miscellaneous Amount	\$	(10)		\$ (50)		
114		ARR Closeout Yearly Amount	\$			\$ -	0.00%	
115		RT Demand Reduction Distribution Amount	\$		\$ -	\$ -	0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount	Š	(0)		\$ 1	-337.67%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$ -	\$ -	0.00%	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	\$		\$ -	\$ -	0.00%	
119	333.21	Total SPP Wholesale Market Charges					-34.80%	
120		Total SPP Wildlesale Market Charges	a (0	0,529)	\$ (39,467)	\$ 21,001	-34.00%	
		MIGO AGM						
121		MISO ASM		7.040	A (00 540)		440.000/	
122		Day Ahead Regulation Amount			\$ (68,516)	\$ (40,898)	148.08%	
123		Real Time Regulation Amount			\$ 23,573	\$ 29,220	-517.47%	
124		Regulation Cost Distribution Amount		9.485				
125					\$ 13,787	\$ (5,698)		
		Day Ahead Spinning Reserve Amount	\$ (1	9,844)	\$ (14,916)	\$ 4,928	-24.83%	
126		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount	\$ (1 \$ (9,844) 5,372)	\$ (14,916) \$ (7,775)	\$ 4,928 \$ (2,403)	-24.83% 44.74%	
127		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount	\$ (1 \$ (\$ 1	9,844) 5,372) 8,585	\$ (14,916) \$ (7,775) \$ 7,927	\$ 4,928 \$ (2,403) \$ (10,658)	-24.83% 44.74% -57.35%	
127 128		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount	\$ (1 \$ (\$ 1 \$ (9,844) 5,372) 8,585 1,200)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694)	-24.83% 44.74% -57.35% 57.85%	
127 128 129		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount	\$ (1 \$ (\$ 1 \$ (\$	9,844) 5,372) 8,585 1,200) 659	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393	-24.83% 44.74% -57.35% 57.85% 59.59%	
127 128		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount	\$ (1 \$ (\$ 1 \$ (\$	9,844) 5,372) 8,585 1,200)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694)	-24.83% 44.74% -57.35% 57.85% 59.59%	
127 128 129		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount	\$ (1 \$ (\$ 1 \$ (\$	9,844) 5,372) 8,585 1,200) 659	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393	-24.83% 44.74% -57.35% 57.85% 59.59%	
127 128 129 130		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	\$ (1 \$ (\$ 1 \$ (\$ 5	9,844) 5,372) 8,585 1,200) 659 6,096	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ -	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64%	
127 128 129 130 131		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ (1 \$ (\$ 1 \$ (\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,844) 5,372) 8,585 1,200) 659 6,096 802	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00%	
127 128 129 130 131 132		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	\$ (1 \$ (\$ 1 \$ (\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,844) (5,372) (8,585) (1,200) (659) (6,096) (802) (1,918) (1,126)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (439) \$ 4,355	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89%	
127 128 129 130 131 132 133 134		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ (1 \$ (\$ 1 \$ (\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,844) 5,372) 8,585 1,200) 659 6,096 802 1,918	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (439) \$ 4,355	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89%	
127 128 129 130 131 132 133 134 135		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ (1 \$ (\$ 1 \$ (\$ 5 \$ (\$ 5 \$ 5 \$ 5 \$ 5 \$ (1	9,844) 5,372) 8,585 1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ (1 \$ (\$ 1 \$ (\$ 5 \$ (\$ 5 \$ 5 \$ 5 \$ 5 \$ (1	9,844) (5,372) (8,585) (1,200) (659) (6,096) (802) (1,918) (1,126)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ (1 \$ (\$ 1 \$ (\$ 5 \$ (\$ 5 \$ 5 \$ 5 \$ 5 \$ (1	9,844) 5,372) 8,585 1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges	\$ (1 \$ (\$ 1 \$ (\$ 5 \$ (\$ 5 \$ 5 \$ 5 \$ 5 \$ (1	9,844) 5,372) 8,585 1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power	\$ (1 \$ (\$ 1 \$ (\$ 5 \$ (\$ 5 \$ 5 \$ 5 \$ 5 \$ (1	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Mislo ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ (2 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (3 \$ 1 \$ (4) \$	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Mislo ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tirbia (WAPA) MAPA Energy Imbalance	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (3 \$ 1 \$ (4) \$	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011) (5,441	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges and Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Total Wholesale Market Charges	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (3 \$ 1 \$ (4) \$	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Sharel Loads Sharel Loads Sharel Loads Small Co-gen	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (3 \$ 1 \$ (4) \$	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	
127 128 129 130 131 132 133 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Excessive Delicient Energy Deployment Charge Amount Real Time Excessive Delicient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges and Power Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (3 \$ 1 \$ (4) \$	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (802) \$ (439) \$ 4,355 \$ (26,638)	-24.83% 44.74% -57.35% 57.85% 59.59% -64.64% -100.00% -22.91% 386.89% 241.91%	Not Applicable to EAR - Excluded from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Purchas	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Sharel Loads Sharel Loads Sharel Loads Small Co-gen	\$ (1 \$ (1 \$ 1 \$ (2 \$ 1 \$ (2 \$ 1 \$ (3 \$ 1 \$ (4) \$	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14,916) \$ (7,775) \$ (7,975) \$ (1,895) \$ 1,052 \$ 2,155 \$ -2 \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4,928 \$ (2,403) \$ (10,658) \$ (693) \$ (3,941) \$ (802) \$ (439) \$ (439) \$ (26,638) \$ (347,289)	24 83% 44 74% 57 35% 57 85% 64 64% 100,00% 22,91% 36 89% 241,91%	Not Applicable to EAR - Excluded from Total MiSO and SPP Energy
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Excessive Delicient Energy Deployment Charge Amount Real Time Excessive Delicient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Market Purchases	\$ (1) \$ (8) \$ 1 \$ (8) \$ 1 \$ 5 \$ 5 \$ 5 \$ 5 \$ 1 \$ (1) \$ 29	9,844) 5,372) 6,5972) 659 6,096 802 1,918 1,126 1,011) D DATA	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4.928 \$ (2.403) \$ (10.658) \$ (694) \$ 393 \$ (3.941) \$ (802) \$ (439) \$ 4.355 \$ (26.638) \$ (347,289)	24 83% 44 74% 57 35% 59 59% 64 64% -100 00% -22 91% 366 89% 241.91%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Excessive Delicient Energy Deployment Charge Amount Real Time Excessive Delicient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges and Power Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases	\$ (1) \$ (8) \$ 1 \$ (8) \$ 1 \$ 5 \$ 5 \$ 5 \$ 5 \$ 1 \$ (1) \$ 29	9,844) (5,372) 8,585 (1,200) 659 6,096 802 1,918 1,126 1,011)	\$ (14.916) \$ (7.775) \$ 7,927 \$ (1.895) \$ 1,052 \$ 2,155 \$ - \$ 1.478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4.928 \$ (2.403) \$ (10.658) \$ (694) \$ 393 \$ (3.941) \$ (802) \$ (439) \$ 4.355 \$ (26.638) \$ (347,289)	24 83% 44 74% 57 35% 59 59% 64 64% -100 00% -22 91% 366 89% 241.91%	Not Applicable to EAR - Excluded from Total MiSO and SPP Energy
127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149	Purcha	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Excessive Delicient Energy Deployment Charge Amount Real Time Excessive Delicient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Market Purchases	\$ (1) \$ (8) \$ 1 \$ (8) \$ 1 \$ 5 \$ 5 \$ 5 \$ 5 \$ 1 \$ (1) \$ 29	9,844) 5,372) 6,5972) 659 6,096 802 1,918 1,126 1,011) D DATA	\$ (14,916) \$ (7,775) \$ 7,927 \$ (1,895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848)	\$ 4.928 \$ (2.403) \$ (10.658) \$ (694) \$ 393 \$ (3.941) \$ (802) \$ (439) \$ 4.355 \$ (26.638) \$ (347,289)	24 83% 44 74% 57 35% 59 59% 64 64% -100 00% -22 91% 366 89% 241.91%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy
127 128 129 130 131 131 132 133 134 135 136 137 138 140 141 142 143 144 145 146 147 148 149 150		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges and Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases Total Purchases	\$ (1 \$ 1 \$ 1 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 29	9,844) 5,372) 8,585 11,200) 659 802 1,918 1,126 1,126 1,125 1,441	\$ (14.916) \$ (7.775) \$ 7,927 \$ (1.895) \$ 1,052 \$ 2,155 \$. \$ 1478 \$ 5,480 \$ (37,649) \$ (51,848) BEGINS	\$ 4.928 \$ (2.403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (439) \$ 4.355 \$ (26,638) \$ (347,289)	24.83% 44.74% 57.35% 57.85% 64.64% -100.00% -22.91% 386.89% 241.91% -117.55%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Excessive Delicient Energy Deployment Charge Amount Real Time Excessive Delicient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Market Purchases	\$ (1 \$ 1 \$ 1 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 29	9,844) 5,372) 8,585 11,200) 659 802 1,918 802 1,918 1,126 1,011) D DATA	\$ (14.916) \$ (7.775) \$ (7.775) \$ (1,895) \$ (1,895) \$ (1,895) \$ 2,155 \$ \$ 1478 \$ 5,480 \$ (37,649) \$ (51,848) BEGINS	\$ 4.928 \$ (2.403) \$ (10.658) \$ (694) \$ 393 \$ (3.941) \$ (802) \$ (439) \$ 4.355 \$ (26.638) \$ (347,289)	24 83% 44 74% 57 35% 59 59% 64 64% -100 00% -22 91% 366 89% 241.91%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 153	Wind C	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Mholesale Market Charges and Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases urtaliment	\$ (1) \$ (8) \$ (8) \$ (1) \$ (8) \$ (1) \$ (8) \$ (1)	9,844) 5,372) 8,585 6,996 802 1,918 1,126 1,126 1,126 1,126 1,126 1,126 1,127	\$ (14.916) \$ (7.775) \$ 7,927 \$ (1.895) \$ 1,052 \$ 2,155 \$. \$ 1478 \$ 5,480 \$ (51,848) BEGINS	\$ 4.928 \$ (2.403) \$ (10,658) \$ (694) \$ 393 \$ (3,941) \$ (439) \$ (439) \$ 4.355 \$ (26,638) \$ (347,289) \$ (347,289) \$ (347,289)	24 83% 44 74% 57 35% 57 85% 64 64% 100.00% 22 91% 36 89% 241.91% -117.55%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	Wind C	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	\$ (1) \$ (8) \$ (8) \$ (8) \$ (8) \$ (9)	9,844) 5,372) 5,372) 8,587 6,096 802 1,1201) 1,918 1,126 1,011) 1,918 1,126 1,011) D DATA	\$ (14.916) \$ (7.775) \$ (7.787) \$ 7.927 \$ (1.895) \$ (1.895) \$ 1,052 \$ 2,155 \$ 5,40 \$ (37,649) \$ (51,848) \$ (51,848) \$ 4,930,754 \$	\$ 4.928 \$ (2.403) \$ (10.658) \$ (984) \$ (982) \$ (3.941) \$ (802) \$ (439) \$ (439) \$ (26,638) \$ (347,289) \$ (347,289) \$ (347,289)	24 83% 44 74% 57 35% 57 85% 68 64 64% 100.00% 22.91% 386 89% 241.91% -117.55%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151	Wind C	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment seed Sales Field Costs	\$ (1) \$ (8) \$ (8) \$ (1) \$ (8) \$ (1) \$ (8) \$ (1) \$ (8) \$ (1)	9,844) 5,372) 5,372) 6,597 6,096 802 1,1,206 802 1,1,216 1,1,126 1,1,1	\$ (14.916) \$ (7.775) \$ (7.775) \$ (1.895) \$ 1,052 \$ 2,155 \$ \$ 1478 \$ 5,480 \$ (37,649) \$ (51,848) \$ 4,930,754 \$ 35,812 \$ 35,812 \$ 35,812	\$ 4.928 \$ (2.403) \$ (10,658) \$ (694) \$ (394) \$ (394) \$ (439) \$ (439) \$ (439) \$ (347,289) \$ (347,289) \$ (347,289) \$ (347,289)	24 83% 44 74% 57 35% 57 85% 58 89% 64 64% 100.00% 22 91% 336 89% 241.91% -117.55% ED DATA ENDS] 44.77% -100.00% 0.00%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Wind C	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	\$ (1) \$ (8) \$ (8) \$ (8) \$ (8) \$ (9)	9,844) 5,372) 5,372) 6,597 6,096 802 1,1,206 802 1,1,216 1,1,126 1,1,1	\$ (14.916) \$ (7.775) \$ (7.787) \$ 7.927 \$ (1.895) \$ (1.895) \$ 1,052 \$ 2,155 \$ 5,40 \$ (37,649) \$ (51,848) \$ (51,848) \$ 4,930,754 \$	\$ 4.928 \$ (2.403) \$ (10.658) \$ (984) \$ (982) \$ (3.941) \$ (802) \$ (439) \$ (439) \$ (26,638) \$ (347,289) \$ (347,289) \$ (347,289)	24 83% 44 74% 57 35% 57 85% 68 64 64% 100.00% 22.91% 386 89% 241.91% -117.55%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151	Wind C	Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment seed Sales Field Costs	\$ (1) \$ (8) \$ (1) \$ (8) \$ (1) \$ (8) \$ (1) \$ (8) \$ (1)	9,844) 5,372) 5,372) 6,597 6,096 802 1,1,206 802 1,1,216 1,1,126 1,1,1	\$ (14.916) \$ (7.775) \$ (7.775) \$ (1.895) \$ 1,052 \$ 2,155 \$ - \$ 1,478 \$ 5,480 \$ (37,649) \$ (51,848) BEGINS	\$ 4,928 \$ (2,403) \$ (10,658) \$ (693) \$ (3,941) \$ (892) \$ (439) \$ (439) \$ (439) \$ (439) \$ (439) \$ (347,289) \$ (347,289) \$ (347,289) \$ (347,289) \$ (347,289) \$ (347,289)	24 83% 44 74% 57 35% 57 85% 58 89% 64 64% 100.00% 22.91% 368 89% 241.91% -117.55%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				January 2020 For	ecast to Actual - MV	/h	
			January 2020	January 2020	Forecast to Actual	Forecast to Actual	
			Forecast	Actual	Variance MWh	Variance %	Notes
Line 1		eneration	[PROTECTED DATA	BEGINS			
2		Big Stone Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3			PROTE	CTED DATA ENDS]	
5 6		Total Coal	238,600	214,746	(23,854)	-10.00%	
7			[PROTECTED DAT		(., ,		
8		Langdon Wind					
10		Ashtabula Wind Luverne Wind					
11		Merricourt					Merricourt does not come into service until 2020
12		Total Wind	47,700	38,481	PROTE (9,219)	CTED DATA ENDS] -19.33%	
14		Total Willia	47,700	30,401	(9,219)	-19.33%	
15		Total Hydro	1,600	2,026	426	26.65%	
16		Town and some d	[PROTECTED DAT	A BEGINS			
17 18		Jamestown 1 Jamestown 2					
19		Lake Preston					
20		Fergus Control Center	-	-		OTED DAT: =::=	
21 22	-	Total Oil - Peaking Units	1,200	2		CTED DATA ENDS] -99.84%	
23			[PROTECTED DAT	A BEGINS	(1,190)	-33.04%	
24		Natural gas - Solway					
25 26	-	Natural gas - Astoria			DROTE	CTED DATA ENDS]	Astoria Station does not come into service until 2020
27		Total Natural Gas	1,800	5,497	3,697	205.38%	
28			[PROTECTED DAT	A BEGINS	, , ,		
29 30		Solar - Blue Jay Solar - Blue Heron					
31		Solal - Blue Reloil			PROTE	CTED DATA ENDS]	
32		Total Solar	-		-	0.00%	
33 34		Total OTP-Owned	290,900	260,753	(30,147)	-10.36%	
35		Total OTF-Owned	250,500	200,755	(30,147)	-10.3076	
36	Wholes	ale Market Charges					
37 38	EEE 02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
39	555.04	DA FBT Loss Amount	N/A	N/A		N/A	
40	555.09	DA Non-asset Energy Amount***	N/A	N/A	N/A	N/A	
41 42	555.19	RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
43		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
44		DA Loss Amount	N/A	N/A	N/A	N/A	
45	EEE 00	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	N/A N/A	N/A N/A	
48	555.12	DA Virtual Energy Amount	N/A	N/A	N/A	N/A	
49	555.32	RT Virtual Energy Amount	N/A	N/A	N/A	N/A	
50 51		DA Mkt Admin Ámount RT Mkt Admin Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
52	555.13	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	N/A	
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
56		RT Congestion	N/A	N/A	N/A	N/A	
57		FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
58 59	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
60	555.35	FTR Monthly Transaction Amount	N/A	N/A N/A	N/A	N/A	
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A	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	N/A N/A	N/A N/A	
64		FTR Annual Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		N/A	
66 67		FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	N/A N/A	N/A N/A	
68	555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
69	555.11	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	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	N/A N/A	N/A N/A	
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A	N/A	N/A	
74		RT Misc Amount	N/A	N/A	N/A	N/A	
75 76	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
77		RT Demand Response Allocation Uplift Amount	N/A	N/A N/A	N/A N/A	N/A N/A	
78	555.63	DA Ramp Product	N/A	N/A	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	N/A N/A	N/A N/A	
81		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	N/A	N/A	
83		DA Congestion Rebate on COGA	N/A	N/A	N/A	N/A	1

84		DA Losses Rebate on COGA	N/A	N/A	N/A	N/A	
85		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	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	N/A	N/A	
88							
89		Total MISO Wholesale Market Charges					
90		Total mice vinolocale market enarged					
91		SPP Wholesale Market Charges					
	555.40		N/A	N/A	N/A	N/A	
92		DA Asset Energy Amount***					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95	555	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	N/A	N/A	
97	555.1	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	N/A	N/A	
99		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	N/A	N/A	
101	555.0 4	DA Regulation-Down Distribution Amount	N/A	N/A	N/A	N/A	
	555.05	DA Regulation-Op Distribution Amount					
102		DA Spinning Reserve Distribution Amount	N/A	N/A	N/A	N/A	
103		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	N/A	N/A	
105		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	N/A	N/A	
107	555.13	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	N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
111			N/A	N/A N/A	N/A	N/A N/A	
	333.Z	RT Pseudo Tie Congestion Amount					
112		RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges	.,,,	.,,,	.,,		
120		Total of 1 Willowsale market offarges					
121		MISO ASM					
			N/A	N/A	N/A	N/A	
122		Day Ahead Regulation Amount					
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135							
136		Total Wholesale Market Charges					
137							
138							
139	Purchas	sed Power					
140			[PROTECTED DAT	A BEGINS			
141		Edgeley PPA					
147		Lanadon PPA					l l
142		Langdon PPA					
143		Langdon PPA Ashtabula III PPA					No. Applicable to CAD. Control of Com. Tab.
143 144		Langdon PPA Ashtabula III PPA Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
143 144 145		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance					Not Applicable to EAR - Excluded from Total
143 144 145 146		Langdon PPA Ashtabula II PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads					Not Applicable to EAR - Excluded from Total
143 144 145 146 147		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen					Not Applicable to EAR - Excluded from Total
143 144 145 146		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases					
143 144 145 146 147		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen					
143 144 145 146 147 148 149		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases			PROTE	CTED DATA ENDS1	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
143 144 145 146 147 148 149		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	255 100	203 144		CTED DATA ENDS]	MISO and SPP Energy Only
143 144 145 146 147 148 149 150		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	255,100	203,144	PROTE((51,956)		
143 144 145 146 147 148 149 150 151		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases			(51,956)	-20.37%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
143 144 145 146 147 148 149 150 151 152 153		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	255,100	203,144		-20.37%	MISO and SPP Energy Only
143 144 145 146 147 148 149 150 151 152 153 154	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	-	-	(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
143 144 145 146 147 148 149 150 151 152 153	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases			(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
143 144 145 146 147 148 149 150 151 152 153 154	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	-	-	(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
143 144 145 146 147 148 149 150 151 152 153 154	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	-	-	(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
143 144 145 146 147 148 149 150 151 152 153 154	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	-	-	(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
143 144 145 146 147 148 149 150 151 152 153 154 155	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	-	-	(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
143 144 145 146 147 148 149 150 151 152 153 154 155	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	-	-	(51,956)	-20.37% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
143 144 145 146 147 148 149 150 151 152 153 154 155 156	Wind Co	Langdon PPA	-	14,342	(51,956) - 14,342 -	-20.37% 0.00% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
143 144 145 146 147 148 149 150 151 152 153 154 155	Wind Co	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	-	-	(51,956)	-20.37% 0.00% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

				orecast to Actual	- \$ per MV	Vh
			January 2020	January 2020		Netes
Line	Plant G	eneration	Forecast [PROTECTED DATA	Actual		Notes
1		Big Stone	[FRO IECTED DATA	A BEGINS		
2		Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				
5		=		PROTECTED DA		
6 7		Total Coal	\$ 21.70 [PROTECTED DATA	\$ 21.79		
8		Langdon Wind	[PROTECTED DATA	A DEGINS		
9		Ashtabula Wind				
10		Luverne Wind				
11		Merricourt				Merricourt does not come into service until 2020
12				PROTECTED DA	TA ENDS]	
13 14		Total Wind	\$ -	\$ -		
15		Total Hydro	• .	s -		
16		Total Hydro	PROTECTED DATA			
17		Jamestown 1	[1.10.20.25.5/17	, DEGIITOIII		
18		Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21		Total Oil - Peaking Units	. 22.75	PROTECTED DA		
22	l	Total Oil - Peaking Units	\$ 22.75 [PROTECTED DATA	\$ 9,322.18 A REGINS		
24		Natural gas - Solway	OILOIED DAIA			
25		Natural gas - Astoria				Astoria Station does not come into service until 2020
26				PROTECTED DA	TA ENDS]	
27		Total Natural Gas		\$ 19.51		
28		Color Blue lou	[PROTECTED DATA	BEGINS		
29 30	-	Solar - Blue Jay Solar - Blue Heron			-	
31		Solal - Bide Heloli		PROTECTED DA	TA FNDS1	
32		Total Solar	s -	\$ -	I A LINDOJ	
33						
34		Total OTP-Owned	\$ 77.56	\$ 9,363.49		
35						
36		ale Market Charges				
37 38	555 O2	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
39	555.02	DA FBT Loss Amount	N/A	N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43		RT FBT Loss Amount	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		
47	555.08	DA Losses Rebate on Option B GFA	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		DA Mkt Admin Amount	N/A	N/A		
51		RT Mkt Admin Amount	N/A	N/A		
52		FTR Mkt Admin Amount	N/A	N/A		
53 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	000.E	RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59		FTR Yearly Allocation Amount	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	N/A N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A	-	
64	555.38	FTR Annual Transaction Amount	N/A	N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69 70	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	-	
70	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		
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76 77	555.31	RT Uninstructed Deviation Amount	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		RT Ramp Product	N/A	N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.05	DA Congestion Rebate on COGA	N/A	N/A		
84	555.06	DA Losses Rebate on COGA	N/A	N/A		

0.5	FFF 00	DT 0	N// A	NI/A		
85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		,				
89		Total MISO Wholesale Market Charges				
90		Total miloo Wilolesale market ollarges				
91		SPP Wholesale Market Charges				
92		DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94		RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
	555	RT NOT-ASSET ETIETRY ATTIOUTE				
96		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		DA Regulation-Down Distribution Amount	N/A	N/A		
	555.04	DA Regulation-Down Distribution Amount	N/A			
101	555.05	DA Regulation-Up Distribution Amount		N/A		
102		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		RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		RT Regulation-Down Distribution Amount	N/A	N/A	l	
					-	
107	222.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A	-	
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109		RT Spinning Reserve Distribution Amount	N/A	N/A		
110		RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Congestion Amount	N/A N/A	N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114	555.26	ARR Closeout Yearly Amount	N/A	N/A		
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
	555.22	DA GFA Carve Out Distribution Deployment Working Amount				
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A N/A	N/A	-	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM	1.071	1471	1	
135		TOTAL MISO ASM				
		Total Miles Installed Av. 1 (A)		 	-	
136		Total Wholesale Market Charges			1	
137						
138						
139	Purcha	sed Power				
140			[PROTECTED DATA	A BEGINS		
141		Edgeley PPA			l	
		Langdon PPA			-	
142					-	
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen			l	
					-	
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DA	TA ENDS]	
151		Total Purchases		\$ 24.27		Tribal (WAPA) excluded from Total
152						, ,
153	Wind C	urtailment	N/A	N/A	l	
	willia C	urtamment	N/A	n/A		
154				l		
155	Asset E	ased Sales	N/A	\$ 24.53		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A	1	Based Sales
		•	1.071	1471	1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Accet Recod Margins	\$1/A	AI/A	1	
157		Asset Based Margins	N/A	N/A	-	Based Sales
158						
159	Total S	stem - Plant Level	\$ 26.56	\$ 20.76		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
						,

		Februar	v 2020 Forecast t	o Actual - Expense	(Pavanua)	
				Forecast to	Forecast to	
		February 2020	February 2020 Actual	Actual Variance	Actual Variance %	Notes
Line	Plant Generation	Forecast [PROTECTED DATA	Actual A BEGINS	\$	%	Notes
1	Big Stone					
2	Coyote Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
3	Hoot Lake #2 Hoot Lake #3					Actuals include Hoot Lake #2 and #3 combined
5				PROTECT	ED DATA ENDS]	
6 7	Total Coal	\$ 4,755,922	\$ 4,505,308	\$ (250,614)	-5.27%	
8	Langdon Wind	[PROTECTED DATA	A BEGINS			
9	Ashtabula Wind					
10 11	Luverne Wind Merricourt					Merricourt does not come into service until 2020
12	Metricourt			PROTECT	ED DATA ENDS]	Werncourt does not come into service dritti 2020
13	Total Wind	\$ -	\$ -	\$ -	0.00%	
14 15	Total Hydro	•	٠ .	s -	0.00%	
16	Total Hydro	[PROTECTED DATA	A BEGINS	-	0.0076	
17	Jamestown 1					
18 19	Jamestown 2					
20	Fergus Control Center					
21 22	Total Oil - Peaking Units	\$ 27,300	\$ 17,831	PROTECT \$ (9,469)	ED DATA ENDS] -34.69%	
22	Total Oil - Peaking Units	[PROTECTED DATA		ə (9,469)	-34.69%	
24	Natural gas - Solway					
25 26	Natural gas - Astoria			PROTECT	ED DATA ENDS	Astoria Station does not come into service until 2020
27	Total Natural Gas	\$ 47,400	\$ 106,195		124.04%	
28		[PROTECTED DATA	A BEGINS	, -		
29 30	Solar - Blue Jay Solar - Blue Heron					
31	Solal - Blue Reioli			PROTECT	ED DATA ENDS	
32	Total Solar	\$ -	\$ -	\$ -	0.00%	
33 34	Total OTP-Owned	\$ 4,830,622	\$ 4,629,333	\$ (201,289)	-4.17%	
35	Total off -owned	4,000,022	4,023,000	(201,203)	-4.1770	
36	Wholesale Market Charges					
37 38	MISO Wholesale Market Charges 555.02 DA Asset Energy Amount***	\$ -	۹ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	V/
40 41	555.09 DA Non-asset Energy Amount*** 555.19 RT Asset Energy Amount***	\$ - \$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (186,888)	\$ (123,600)		-33.86%	Energy Amounts - included/embedded within Market Purchases
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44 45	DA Loss Amount RT Loss Amount	\$ 491,730 \$ 28,761	\$ 340,579 \$ 17,133		-30.74% -40.43%	
46	555.26 RT Non-Asset Energy Amount***	\$ 20,701	\$ 17,133	\$ (11,020)		Energy Amounts - included/embedded within Market Purchases
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
48 49	555.12 DA Virtual Energy Amount 555.32 RT Virtual Energy Amount	\$ - \$ -	\$ - \$ -	\$ - \$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 53,448	\$ 65,690	\$ 12,242	22.91%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount 555.13 FTR Mkt Admin Amount	\$ 4,784	\$ 4,924		2.93%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.03 DA FBT Congestion Amount	\$ 1,421 \$ -	\$ 2,038	\$ -	43.44%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54	DA Congestion	\$ 138,587	\$ 202,600	\$ 64,013	46.19%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ - \$ (12,292)		0.00%	
56 57	RT Congestion 555.14 FTR Hourly Allocation Amount	\$ 13,233 \$ (182,897)	\$ (12,292)	\$ (25,525) \$ (177,021)	-192.89% 96.79%	
58	555.15 FTR Monthly Allocation Amount	\$ (12,468)	\$ (13,675)	\$ (1,207)	9.68%	
59 60	555.17 FTR Yearly Allocation Amount	\$ (3,428) \$ (8,593)	\$ (0)	\$ 3,427 \$ 8,593	-100.00% -100.00%	
61	555.35 FTR Monthly Transaction Amount 555.36 FTR Full Funding Guarantee Amount	\$ (12,646)	\$ 2,999	\$ 15,645	-123.71%	
62	555.37 FTR Guarantee Uplift Amount	\$ 14,227	\$ (2,465)	\$ (16,692)	-117.33%	
63 64	555.39 FTR Auction Revenue Rights Transaction Amount 555.38 FTR Annual Transaction Amount	\$ (164,322) \$ 164,375	\$ (246,272) \$ 246,048	\$ (81,950) \$ 81,674	49.87% 49.69%	
65	555.40 FTR Annual Transaction Amount 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 164,375	\$ 246,048	\$ 81,674	49.69% 11.86%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (29,717)	\$ (31,268)		5.22%	
67 68	555.07 DA Congestion Rebate on Option B GFA 555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 12,481	\$ - \$ 5,267	\$ - \$ (7,214)	0.00% -57.80%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (114)	\$ -	\$ 114	-100.00%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 1,068	\$ (29,644)	-96.52%	
71 72	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount 555.42 RT Price Volatility Make Whole Payment	\$ (26,781) \$ (21,088)		\$ 26,781) \$ 11,075	-100.00% -52.52%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 23,926	\$ (36,362)	-60.31%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 408	\$ (18,080)	-97.79%	
75 76	555.27 RT Net Inadvertent Amount 555.31 RT Uninstructed Deviation Amount	\$ 2,543 \$ -	\$ 3,491 \$ -	\$ 948 \$ -	37.28% 0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ -	\$ -	0.00%	
78	555.63 DA Ramp Product	\$ (479)			208.11%	
79 80	555.64 RT Ramp Product 555.65 RT Schedule 49 Cost Distribution Amount	\$ 98	\$ (121) \$ 26,580		-222.70% 0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ 20,580	\$ 26,560		Energy Amounts - included/embedded within Market Purchases
			S -	\$ -	0.00%	
82 83	555.56 RT ASM Excessive Energy Amount*** 555.05 DA Congestion Rebate on COGA	\$ - \$ -	\$ - \$ -	\$ -	0.00%	

	F 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			- 1 -		0.000/	
84 85	555.06 DA Losses Rebate on COGA 555.22 RT Congestion Rebate on COGA	\$ - \$ -	\$	- \$		0.00%	
86	555.23 RT Loss Rebate on COGA	\$ -		- \$ - \$		0.00%	
87	Net Congestion and Losses Adjustment & No DA Generation Schedule			. ş		0.00%	
88	Net Congestion and Losses Adjustment & No DA Generation Schedule	φ -	φ J,	JU3 9	3,003	0.0076	
89	Total MISO Wholesale Market Charges	\$ 330,235	\$ 78.	85 \$	(251,550)	-76 17%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	Total miloo Wholesale market onarges	¥ 550,255	Ψ 70,	,00	(201,000)	-70.1770	Total Excitace Concaute to and 17 (Ellies 40, 41, 42 Above)
91	SPP Wholesale Market Charges			-			
92	555.19 DA Asset Energy Amount***	\$ -	s	- \$		0.00%	Energy Amounts - included/embedded within Market Purchases
93	555.03 DA Non-asset Energy Amount	\$ -		- \$		0.00%	Energy / unbanto unbadada mann mantot i dionaboo
94	555.09 RT Asset Energy Amount***	\$ -		- \$		0.00%	Energy Amounts - included/embedded within Market Purchases
95	555.00 RT Non-Asset Energy Amount	\$ -		- \$		0.00%	
96	555.02 DA Make-Whole-Payment Distribution Amount	\$ 15	Š	- \$		-100.00%	
97	555.10 RT Make-Whole-Payment Distribution Amount	\$ 143	\$	10 \$		-93.08%	
98	555.18 RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	S	- \$		0.00%	
99	555.15 RT Revenue Neutrality Uplift Distribution Amount	\$ 85	s	1 \$		-98.88%	
100	555.04 DA Regulation-Down Distribution Amount	\$ 10	S	0 \$	(10)	-95.41%	
101	555.05 DA Regulation-Up Distribution Amount	\$ 13	s	1 \$		-92.95%	
102	555.06 DA Spinning Reserve Distribution Amount	\$ 18	S	3 \$		-85.41%	
103	555.07 DA Supplemental Reserve Distribution Amount	\$ 2		- 9		-100.00%	
104	555.08 RT Contingency Reserve Deployment Failure Amount	\$ (1)		- \$			
105	555.11 RT Over-Collected Losses Distribution Amount	\$ (11,250)		33) \$		-22.37%	
106	555.12 RT Regulation-Down Distribution Amount	\$ (1)		- \$		-100.00%	
107	555.13 RT Regulation Non-Performance Distribution Amount	\$ (0)		- \$			
108	555.14 RT Regulation-Up Distribution Amount	\$ (1)		- \$			
109	555.16 RT Spinning Reserve Distribution Amount	\$ (0)		- \$		-100.00%	
110	555.17 RT Supplemental Reserve Distribution Amount	\$ (0)		- \$		-100.00%	
111	555.20 RT Pseudo Tie Congestion Amount	\$ (26,045)		159) \$		28.47%	
112	555.21 RT Pseudo Tie Loss Amount	\$ (17,048)		399) \$		-48.97%	
113	555.23 Miscellaneous Amount	\$ (10)		- \$		-100.00%	
114	555.26 ARR Closeout Yearly Amount	\$ -		- \$		0.00%	
115	555.28 RT Demand Reduction Distribution Amount	\$ -		- \$		0.00%	
116	555.01 DA GFA Carve Out Distribution Deployment Daily Amount	\$ (0)	\$	1 \$	2	-379.61%	
117	555.22 DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$	- \$	-	0.00%	
118	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$	- \$	-	0.00%	
119	Total SPP Wholesale Market Charges	\$ (54,071)	\$ (50,	375) \$	3,196	-5.91%	
120							
121	MISO ASM						
122							
	Day Ahead Regulation Amount	\$ (25,761)	\$ (67,	379) \$	(41,618)	161.55%	
122	Real Time Regulation Amount	\$ 4,357	\$ 21,	976 \$	17,619	404.39%	
123 124	Real Time Regulation Amount Regulation Cost Distribution Amount	\$ 4,357 \$ 15,429	\$ 21, \$ 14,	976 \$ 882 \$	17,619 (547)	404.39% -3.55%	
123 124 125	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount	\$ 4,357 \$ 15,429 \$ (13,595)	\$ 21, \$ 14, \$ (12,	976 \$ 382 \$ (43) \$	17,619 (547) 1,451	404.39% -3.55% -10.68%	
123 124 125 126	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568	\$ 21, \$ 14, \$ (12, \$ 1,	976 \$ 882 \$ 43) \$ 515 \$	17,619 (547) 1,451 (53)	404.39% -3.55% -10.68% -3.36%	
123 124 125 126 127	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8,	976 \$ 882 \$ (43) \$ 515 \$ 688 \$	(547) (547) (1,451) (53) (6,764)	404.39% -3.55% -10.68% -3.36% -43.77%	
123 124 125 126 127 128	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837)	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5,	976 \$ 882 \$ 143) \$ 515 \$ 688 \$ 336) \$	(547) (547) (1,451) (53) (6,764) (2,799)	404.39% -3.55% -10.68% -3.36% -43.77% 98.64%	
123 124 125 126 127 128 129	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3,	976 \$ 882 \$ 143) \$ 515 \$ 688 \$ 636) \$	(547) (547) (1,451) (53) (6,764) (2,799) (1,548)	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% 69.38%	
123 124 125 126 127 128 129	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3,	976 \$ 882 \$ 143) \$ 515 \$ 888 \$ 336) \$ 780 \$	(547) (547) (1,451) (53) (6,764) (2,799) (1,548) (2,403)	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% 69.38% -60.37%	
123 124 125 126 127 128 129 130	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Contingency Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1,	976 \$ 882 \$ 143) \$ 515 \$ 688 \$ 636) \$ 780 \$ 578 \$ - \$	17,619 (547) 1,451 (53) (6,764) (2,799) 1,548 (2,403) (802)	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% 69.38% -60.37% -100.00%	
123 124 125 126 127 128 129 130 131	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$	976 \$ 882 \$ 843) \$ 615 \$ 688 \$ 636) \$ 780 \$ 678 \$ 677 \$	(547) (547) (1,451) (6,764) (2,799) (1,548) (2,403) (802) (459)	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% 69.38% -60.37% -100.00% 23.94%	
123 124 125 126 127 128 129 130 131 132	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126	\$ 21, \$ 14, \$ (12, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ 1,	376	17,619 (547) 1,451 (53) (6,764) (2,799) 1,548 (2,403) (802) 459	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% -69.38% -60.37% -100.00% 23.94% 2.27%	
123 124 125 126 127 128 129 130 131 132 133	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126	\$ 21, \$ 14, \$ (12, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ 1,	976 \$ 882 \$ 843) \$ 615 \$ 688 \$ 636) \$ 780 \$ 678 \$ 677 \$	17,619 (547) 1,451 (53) (6,764) (2,799) 1,548 (2,403) (802) 459	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% 69.38% -60.37% -100.00% 23.94%	
123 124 125 126 127 128 129 130 131 132 133 134	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670	\$ 21, \$ 14, \$ (12, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ 1, \$ 2,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670	\$ 21, \$ 14, \$ (12, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ 1, \$ 2,	376	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% 98.64% -69.38% -60.37% -100.00% 23.94% 2.27%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670	\$ 21, \$ 14, \$ (12, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ 1, \$ 2,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670	\$ 21, \$ 14, \$ (12, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ 1, \$ 2,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MiSO ASM Total Wholesale Market Charges Purchased Power	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Distribution Amount Contingency Reserve Deployment Failure 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	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Langdon PPA	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 137 138 139 140 141	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 142	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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)	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 137 138 139 140 141 141 142 143	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 144	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Excessive Deloyement Failure Charge Amount Real Time Excessive Deloyement Failure 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	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 137 138 140 141 142 143 144 145 146	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Ashtabuta III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Billateral purchases	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	17,619 (547) 1,451 (53) (6,764) 1,548 (2,403) (802) 459 26 (33,881)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -69.38% -60.37% -100.00% -23.94% -2.27% -725.57%	Not Applicable to EAR - Excluded from Total
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Ashtabuta III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 1, \$ 8, \$ (5, \$ 3, \$ 1, \$ 2, \$ (29,	976 \$ 882 \$ 843) \$ 615 \$ 868 \$ 836) \$ 780 \$ 877 \$ 8777 \$ 151 \$ 212) \$	i 17,619 (547) i 1,451 (533) (6,764) (2,799) 1,548 (2,403) (802) i 459 26 (33,881) (282,235)	404.39% -3.55% -10.68% -3.36% -43.77% -98.64% -60.37% -100.05% -725.57% -100.50%	
123 124 125 126 127 128 130 131 132 133 134 135 137 139 140 141 142 143 144 145 146 147 148	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wisco ASM Total Wholesale Market Charges Purchased Power Edgeley PPA Langdon PPA Ashtabula III PPA Tibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 18, \$ (12, \$ 18, \$ (12, \$ 18, \$ (13, \$ 18, \$ (21, \$ 18, \$ 18, \$ (21, \$ 18, \$	176 S 176	i 17,619 (547) i 1,451 (537) i 1,451 (533) (6,764) (2,799) 1,548 (2,403) (802) 459 26 (33,881) (282,235)	404.99% -3.55% -10.68% -3.36% -43.77% -98.64% -69.37% -100.09% -2.27% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
123 124 125 126 127 128 129 130 131 132 133 134 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Billateral purchases	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ (12, \$ 18, \$ (12, \$ 18, \$ (12, \$ 18, \$ (13, \$ 18, \$ (21, \$ 18, \$ 18, \$ (21, \$ 18, \$	176 S 176	i 17,619 (547) 1,451 (533) (6,764) (2,799) 1,548 (2,403) (802) 459 26 (33,881) (282,235)	404.99% -3.55% -10.68% -3.36% -43.77% -98.64% -69.37% -100.09% -2.27% -100.50%	Not Applicable to EAR - Excluded from Total
123 124 125 126 127 128 127 128 130 131 132 133 134 135 137 138 139 140 141 142 143 144 145 148 149 150 151	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Delpoyment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Mislo 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 Total Purchases	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,128 \$ 4,670 \$ 280,833	\$ 21, \$ 14,	976 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	i 17,619 (547) i 1,451 (537) (6,764) (2,799) 1,548 (2,403) (802) 459 26 (33,881) (282,235)	404.99% -3.55% -10.68% -3.36% -43.77% -98.64% -69.37% -100.05% -100.05% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
123 124 125 126 126 127 128 130 131 132 133 134 135 136 137 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wisco ASM Total Wholesale Market Charges Purchased Power Edgeley PPA Langdon PPA Ashtabula III PPA Tibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14,	176 S 176	in 17,619 (547) (1,451) (1,451) (1,451) (1,451) (1,451) (1,548) (1,403) (1,548) (1,403) (1,548) (1,403) (1,548) (1,403) (1,548) (1,403) (1,548) (1,548) (1,548) (1,548) (1,548) (1,548) (1,548) (1,548) (1,548) (1,548) (1,548)	404.99% -3.55% -10.68% -3.36% -43.77% -98.64% -69.37% -100.09% -2.27% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Misco 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 Market Purchases Total Purchases Wind Curtailment	\$ 4,357 \$ 15,429 \$ (13,995) \$ 1,568 \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 4,670 \$ 280,833 [PROTECTED DATA \$ 7,515,900 \$ 7,271	\$ 21, \$ 14,	176 \$ \$ \$ \$ \$ \$ \$ \$ \$	(6,318) (6,318) (6,318)	404.39% -3.55% -10.68% -3.36% -3.36% -3.37% -98.64% -69.37% -100.050% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
123 124 125 126 126 127 128 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Billateral purchases Market Purchases Wind Curtailment Asset Based Sales	\$ 4,357 \$ 15,429 \$ (13,995) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ 14, \$ (12, \$ 5, \$ 6, \$ 3, \$ 1, \$ 2, \$ 11, \$ (29, \$ (11, \$ 6,001, \$ 6,001, \$ 178,	176 \$ \$ \$ \$ \$ \$ \$ \$ \$	(5, 17,619 (547) (547) (1,451) (6,764) (2,799) (3,403) (802) (459) (459) (459) (26) (33,881) (282,235) (282,235)	404.39% -3.55% -10.68% -10.68% -43.77% -98.64% -60.37% -100.05% -725.57% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
123 124 125 126 127 128 129 130 131 132 133 134 135 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Purchased Power Edgeley PPA Langdon PPA Ashtabuta III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 1,568 \$ 1,568 \$ 1,568 \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 4,670 \$ 280,833 [PROTECTED DATA \$ 7,515,900 \$ 7,271 \$ - \$ -	\$ 21, \$ 14,	176 \$ \$ \$ \$ \$ \$ \$ \$ \$	PROTECT (1,514,208) PROTECT (1,514,208) PR, 508PR, 508	404.39% -3.55% -10.68% -3.36% -3.37% -98.64% -69.33% -60.37% -100.050% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 153	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure 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 Wind Curtailment Asset Based Sales Fuel Costs	\$ 4,357 \$ 15,429 \$ (13,995) \$ 1,568 \$ 15,452 \$ (2,837) \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 1,126 \$ 4,670 \$ 280,833	\$ 21, \$ 14, \$ 14, \$ (12, \$ 5, \$ 6, \$ 3, \$ 1, \$ 2, \$ 11, \$ (29, \$ (11, \$ 6,001, \$ 6,001, \$ 178,	176 \$ \$ \$ \$ \$ \$ \$ \$ \$	PROTECT (6.319) (6.794) (7.799) (8.794) (8.794) (8.794) (8.795) (8.794) (8.794) (8.795) (8.794) (8.795) (8.794) (8.795) (8.795) (8.795) (8.795) (8.795) (8.795) (9.795) (9.795) (1.	404.39% -3.55% -10.68% -10.68% -43.77% -98.64% -60.37% -100.05% -725.57% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
123 124 125 126 127 128 129 130 131 132 133 134 135 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153	Real Time Regulation Amount Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Purchased Power Edgeley PPA Langdon PPA Ashtabuta III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Wind Curtailment Asset Based Sales Fuel Costs	\$ 4,357 \$ 15,429 \$ (13,595) \$ 1,568 \$ 1,568 \$ 1,568 \$ 1,568 \$ 2,232 \$ 3,981 \$ 802 \$ 1,918 \$ 4,670 \$ 280,833 [PROTECTED DATA \$ 7,515,900 \$ 7,271 \$ - \$ -	\$ 21, \$ 14,	976 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	17,619 (547) (547) (1,451) (1,451) (6,764) (2,799) (1,548) (2,403) (802) (4,403) (802) (4,403) (802) (2,403) (802) (4,459) (2,403) (802) (4,459) (4,459) (4,459) (4,459) (4,459) (4,459) (4,468)	404.39% -3.55% -10.68% -3.35% -43.77% -98.64% -69.37% -100.50% -725.57% -100.50%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				February 2020 Fo	precast to Actual - M	lWh	
			February 2020	February 2020	Forecast to Actual	Forecast to Actual	
			Forecast	Actual	Variance MWh	Variance %	Notes
Line 1	Plant Gen	eration g Stone	[PROTECTED DATA	A BEGINS			
2		pyote					
3		oot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4 5	Ho	oot Lake #3			PPOTE	CTED DATA ENDS]	
6		Total Coal	214,400	199,096	(15,304)	-7.14%	
7			[PROTECTED DAT	A BEGINS			
8	La	angdon Wind shtabula Wind					
10		verne Wind					
11	M	erricourt					Merricourt does not come into service until 2020
12 13		Total Wind	41,500	43,877	PROTE 2,377	CTED DATA ENDS] 5.73%	
14							
15		Total Hydro	1,500	1,897	397	26.50%	
16 17	la	amestown 1	[PROTECTED DAT	A BEGINS			
18		amestown 2					
19		ake Preston					
20 21	Fe	ergus Control Center			PROTE	CTED DATA ENDS]	
22		Total Oil - Peaking Units	900	-	(900)	-100.00%	
		atural gas. Calusus	[PROTECTED DAT	A BEGINS			
24 25	Na Na	atural gas - Solway atural gas - Astoria					Astoria Station does not come into service until 2020
26		-				CTED DATA ENDS]	
27		Total Natural Gas	1,400	5,863	4,463	318.82%	
28 29	Sc	plar - Blue Jay	[PROTECTED DAT	A BEGINS			
30		plar - Blue Heron					
31 32		Total Calar			PROTE	CTED DATA ENDS]	
33		Total Solar	-	-	-	0.00%	
34		Total OTP-Owned	259,700	250,734	(8,966)	-3.45%	
35 36	Wholocald	Market Charges					
37	M	ISO Wholesale Market Charges					
38	555.02 D/	A Asset Energy Amount***	N/A	N/A	N/A	N/A	
39 40		A FBT Loss Amount A Non-asset Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
41	555.19 R	T Asset Energy Amount***	N/A	N/A	N/A	N/A	
42	555.24 R	T Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43 44		T FBT Loss Amount A Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
45	R ⁻	T Loss Amount	N/A	N/A	N/A	N/A	
46	555.26 R	T Non-Asset Energy Amount***	N/A	N/A	N/A	N/A	
47 48	555.08 D/	A Losses Rebate on Option B GFA A Virtual Energy Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
49	555.32 R	T Virtual Energy Amount	N/A	N/A	N/A	N/A	
50	555.01 D/	A Mkt Admin Amount	N/A	N/A	N/A	N/A	
51 52		T Mkt Admin Amount FR Mkt Admin Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
53	555.03 D/	A FBT Congestion Amount	N/A	N/A	N/A	N/A	
54	D/	A Congestion	N/A	N/A	N/A	N/A	
55 56		T FBT Congestion Amount T Congestion	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
57	555.14 FT	TR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
58	555.15 FT	TR Monthly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
59 60		TR Yearly Allocation Amount TR Monthly Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
61	555.36 FT	TR Full Funding Guarantee Amount	N/A	N/A	N/A	N/A	
62 63	555.37 F1	TR Guarantee Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
63 64		FR Auction Revenue Rights Transaction Amount FR Annual Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
65	555.40 FT	TR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	N/A	N/A	
66	555.41 FT	TR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	N/A	N/A	
67 68	555.07 D/ 555.1 D/	A Congestion Rebate on Option B GFA A Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
69	555.11 D	A Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	N/A	N/A	
70	555.29 R	T Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	N/A	N/A	
71 72		T Revenue Sufficiency Guarantee Make Whole Pymt Amount T Price Volatility Make Whole Payment	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
73	555.28 R	T Revenue Neutrality Uplift Amount	N/A	N/A	N/A	N/A	
74	555.25 R	T Misc Amount	N/A	N/A	N/A	N/A	
75 76		T Net Inadvertent Amount T Uninstructed Deviation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
77	555.59 R	T Demand Response Allocation Uplift Amount	N/A	N/A	N/A	N/A	
78	555.63 D	A Ramp Product	N/A	N/A	N/A	N/A	
79 80		T Ramp Product T Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
81	555.55 R	T ASM Non-Excessive Energy Amount***	N/A	N/A	N/A	N/A	
82	555.56 R	T ASM Excessive Energy Amount***	N/A	N/A	N/A	N/A	
83	555.05 D	A Congestion Rebate on COGA	N/A	N/A	N/A	N/A	

0.4	FFF 00	DA I B-1 6064	NI/A	NI/A	NI/A	N1/A	
84		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	N/A	N/A	
86	555.23	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	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		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94	555.09	RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95	555	RT Non-Asset Energy Amount	N/A	N/A	N/A	N/A	
96		DA Make-Whole-Payment Distribution Amount	N/A	N/A	N/A	N/A	
96			N/A N/A	N/A	N/A N/A	N/A	
	555.1	RT Make-Whole-Payment Distribution Amount					
98		RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	N/A	N/A	
99		RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102	555.06	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	
104	555.08	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		RT Regulation-Down Distribution Amount	N/A	N/A	N/A	N/A	
107		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	N/A	N/A	
109	555.14 555.10	RT Spinning Reserve Distribution Amount	N/A	N/A	N/A	N/A N/A	
110		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	N/A	N/A	
112		RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119	000.27	Total SPP Wholesale Market Charges	1471	1471	1473	1071	
120		Total of T Thiolocale market offargee					
121		MISO ASM					
			N/A	N/A	N/A	NI/A	
122		Day Ahead Regulation Amount				N/A	
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135							
136	 	Total Wholesale Market Charges					
137		i otal vinolesale market charges					
137							
	Dural: -	and Dawer					
139	Purchas	sed Power	IDDOTEOTED 5:-	A DECINO			
140		5	[PROTECTED DAT	A BEGINS			
141		Edgeley PPA					
142		Langdon PPA					
143		Ashtabula III PPA					
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					
146		Shared Loads					
147		Small Co-gen					
147							
148		Bilateral purchases					MISO and SPP Energy Only
148 149					PROTE	CTED DATA ENDS	MISO and SPP Energy Only
148 149 150		Bilateral purchases Market Purchases	227 900	229 105		CTED DATA ENDS]	
148 149 150 151		Bilateral purchases	227,900	229,195	PROTE 1,295		MISO and SPP Energy Only Tribal (WAPA) excluded from Total
148 149 150 151 152		Bilateral purchases Market Purchases Total Purchases			1,295	0.57%	Tribal (WAPA) excluded from Total
148 149 150 151 152 153		Bilateral purchases Market Purchases	227,900	229,195		0.57%	
148 149 150 151 152 153 154	Wind C	Bilateral purchases Market Purchases Total Purchases urtailment	-	32	1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
148 149 150 151 152 153	Wind C	Bilateral purchases Market Purchases Total Purchases			1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtaliment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
148 149 150 151 152 153 154 155	Wind C	Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	-	32	1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
148 149 150 151 152 153 154	Wind C	Bilateral purchases Market Purchases Total Purchases urtailment	-	32	1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtaliment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
148 149 150 151 152 153 154 155	Wind C	Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	-	32	1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
148 149 150 151 152 153 154 155	Wind Co	Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	-	32	1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
148 149 150 151 152 153 154 155 156	Wind Co	Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	-	32	1,295	0.57%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
148 149 150 151 152 153 154 155 156	Wind C	Bilateral purchases Market Purchases Total Purchases urtailment Based Sales Fuel Costs Asset Based Margins	-	10,086	1,295 32 10,086	0.57% 0.00% 0.00%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
148 149 150 151 152 153 154 155 156	Wind C	Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	-	10,086	1,295	0.57% 0.00% 0.00%	Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

				Forecast to Actua	I - \$ per M\	Wh
			February 2020	February 2020		
Line	Di O		Forecast	Actual		Notes
Line	Plant G	eneration Big Stone	[PROTECTED DATA	A BEGINS		
2		Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				
5				PROTECTED DA	TA ENDS]	
6		Total Coal	\$ 22.18 [PROTECTED DATA	\$ 22.63		
8		Langdon Wind	[PROTECTED DATA	A DEGINS		
9		Ashtabula Wind				
10		Luverne Wind				
11		Merricourt				Merricourt does not come into service until 2020
12				PROTECTED DA	TA ENDS]	
13 14		Total Wind	\$ -	\$ -		
15		Total Hydro	s -	s -		
16		Total riyaro	[PROTECTED DATA			
17		Jamestown 1				
18		Jamestown 2				
19	1	Lake Preston				
20 21		Fergus Control Center		.PROTECTED DA	LV ENDS:	
22	<u> </u>	Total Oil - Peaking Units	\$ 30.33	S -	A ENDO	
23		Total on Totaling Units	[PROTECTED DATA	A BEGINS		
24		Natural gas - Solway				
25		Natural gas - Astoria				Astoria Station does not come into service until 2020
26 27				PROTECTED DA	A ENDS]	
27		Total Natural Gas	\$ 33.86 [PROTECTED DATA	\$ 18.11		
28		Solar - Blue Jay	I VOIECIED DAIL	DEGING		
30		Solar - Blue Heron				
31			•	PROTECTED DA	A ENDS]	
32		Total Solar	\$ -	\$ -		
33						
34 35		Total OTP-Owned	\$ 86.37	\$ 40.74		
36	Wholes	ale Market Charges				
37	***************************************	MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41 42	555.19	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	000.21	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 49	555.12	DA Virtual Energy Amount	N/A N/A	N/A N/A		
50	555.01	RT Virtual Energy Amount 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 56	555.2	RT FBT Congestion Amount	N/A N/A	N/A		
56	555 14	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		FTR Yearly Allocation Amount	N/A	N/A		
60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
63 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 Aution Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70 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	555.42	RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A	-	
73		RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
77		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	N/A N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
	FFF F0	RT ASM Excessive Energy Amount***	N/A	N/A		
82	222.20	THE FLOW EXCOUNTS ETTORIST THROUGH				
	555.05	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		

			1	1		
85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A		
88		·				
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555 19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	EEE 00	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96		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		RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100		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		RT Regulation-Down Distribution Amount	N/A	N/A		
107		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	l	
110	555 17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111			N/A	N/A		
		RT Pseudo Tie Congestion Amount			-	
112		RT Pseudo Tie Loss Amount	N/A N/A	N/A	-	
113	555.23	Miscellaneous Amount		N/A		
114		ARR Closeout Yearly Amount	N/A	N/A		
115		RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Deal Time Coloning Reserve Amount	N/A	N/A		
		Real Time Spinning Reserve Amount				
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137		•				
138						
139	Purchas	sed Power				
140			[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
						INOL Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance		 	-	
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150	_			PROTECTED DA	TA ENDS]	
151		Total Purchases	\$ 32.98	\$ 26.19		Tribal (WAPA) excluded from Total
152						
153	Wind C	urtailment	N/A	\$ 29.81		
154						
155	Asset E	lased Sales	N/A	\$ 17.70		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
		Fuel Costs	N/A	N/A		Based Sales
156)	1973	IVA	l	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156						
		Asset Based Margins	NI/A	N/A		
157		Asset Based Margins	N/A	N/A		Based Sales
	Total C	Asset Based Margins /stem - Plant Level	N/A \$ 25.91			

			March	2020 Forecast t	o Actual - Expense	(Pavanua)	
			Watch	2020 Forecast t	Forecast to	Forecast to	
			March 2020	March 2020	Actual Variance	Actual Variance	
			Forecast	Actual	\$	%	Notes
Line	Plant G	eneration	[PROTECTED DATA	A BEGINS			
1		Big Stone					
2		Coyote Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3					Actuals include 1 loot Lake #2 and #3 combined
5		1100t Earle #0			PROTECT	ED DATA ENDS	
6		Total Coal	\$ 4,689,328	\$ 4,229,998			
7			[PROTECTED DATA	A BEGINS			
8		Langdon Wind					
9		Ashtabula Wind					
10		Luverne Wind Merricourt					Merricourt does not come into service until 2020
12		Werncourt			PROTECT	ED DATA ENDS	Membourt does not come into service until 2020
13		Total Wind	\$ -	\$ -	\$ -	0.00%	
14							
15		Total Hydro		\$ -	\$ -	0.00%	
16			[PROTECTED DATA	A BEGINS			
17 18		Jamestown 1 Jamestown 2					
19		Lake Preston					
20		Fergus Control Center					
21						TED DATA ENDS]	
22		Total Oil - Peaking Units	\$ 27,300	\$ 9,603	3 \$ (17,697)	-64.82%	
23			[PROTECTED DATA	A BEGINS			
24		Natural gas - Solway		+	1	+	Astorio Station doce not some inte conside until 2020
25 26		Natural gas - Astoria		 	PROTECT	ED DATA ENDS	Astoria Station does not come into service until 2020
27		Total Natural Gas	\$ 26,500	\$ 60,78			
28		. o.u. Hatarar Gus	[PROTECTED DATA	A BEGINS	,201	.20.5070	
29		Solar - Blue Jay					
30		Solar - Blue Heron					
31					PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$ -	\$ -	0.00%	
33 34		Total OTP-Owned	\$ 4,743,128	\$ 4,300,388	3 \$ (442,740)	-9.33%	
35		Total OTF-Owned	\$ 4,743,120	4,300,386	9 (442,740)	-9.33 /6	
36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
39		DA FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
40 41	555.09	DA Non-asset Energy Amount***	\$ - \$ -	\$ - \$ -	\$ - \$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ (181,441)			-51.54%	Energy Amounts - included/embedded within Market Purchases
43		RT FBT Loss Amount	\$ (101,441)	\$ -	\$ -	0.00%	
44		DA Loss Amount	\$ 477,397	\$ 389,340		-18.45%	
45		RT Loss Amount	\$ 27,923	\$ 9,593		-65.64%	
46	555.26	RT Non-Asset Energy Amount***	\$ -	S -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
47							
	555.08	DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
48	555.08 555.12	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.08 555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -	\$ - \$ -	\$ -	0.00% 0.00% 0.00%	
49 50	555.08 555.12 555.32 555.01	DA Virtual Energy Amount RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ - \$ 68,084	\$ - \$ - \$ 55,793	\$ - \$ - 3 \$ (12,291)	0.00% 0.00% 0.00% -18.05%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49	555.08 555.12 555.32 555.01 555.18	DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -	\$ - \$ 55,793 \$ 4,176	\$ - \$ - 3 \$ (12,291) 3 \$ (1,676)	0.00% 0.00% 0.00% -18.05% -28.63%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53	555.08 555.12 555.32 555.01 555.18 555.13	DA Virtual Energy Amount Tr Virtual Energy Amount DA Mit Admin Amount RT Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ -	\$ - \$ 55,793 \$ 4,176 \$ 3,710 \$ -	\$ - \$ - 3 \$ (12,291) 3 \$ (1,676) 0 \$ 2,184 \$ -	0.00% 0.00% 0.00% -18.05% -28.63% 143.12% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54	555.08 555.12 555.32 555.01 555.18 555.13 555.03	DA Virtual Energy Amount IT Virtual Energy Amount DA Mit Admin Amount RT Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548	\$ - \$ - \$ 55,793 \$ 4,176 \$ 3,710	\$ - \$ - 3 \$ (12,291) 3 \$ (1,676) 0 \$ 2,184 \$ -	0.00% 0.00% 0.00% -18.05% -28.63% 143.12% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55	555.08 555.12 555.32 555.01 555.18 555.13 555.03	DA Virtual Energy Amount TY Virtual Energy Amount DA Mkt Admin Amount RT Mkt Admin Amount FTR Mkt Admin Amount FTR Mkt Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion R	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ -	\$ - \$ 55,79; \$ 4,176 \$ 3,710 \$ - \$ 158,68; \$ -	\$ - \$ (12,291) 3 \$ (1,676) 0 \$ 2,184 \$ - 3 \$ 24,135 \$ -	0.00% 0.00% -18.05% -28.63% 143.12% 0.00% 17.94%	Excituded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excituded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excituded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56	555.08 555.12 555.32 555.01 555.18 555.13 555.03	DA Virtual Energy Amount IT Virtual Energy Amount DA Mit Admin Amount ET Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT FBT Congestion Amount TT Congestion	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ - \$ 12,847	\$ - \$ 55,79: \$ 4,17: \$ 3,71! \$ - \$ 158,68: \$ - \$ 10,91	\$ - \$ - \$ (12,291) 3 \$ (1,676) 0 \$ 2,184 \$ - 3 \$ 24,135 \$ \$ - 4 \$ (1,933)	0.00% 0.00% 0.00% -18.05% -28.63% 143.12% 0.00% 17.94% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57	555.08 555.12 555.32 555.18 555.13 555.03 555.20	DA Virtual Energy Amount TY Virtual Energy Amount DA Mkt Admin Amount RT Mkt Admin Amount RT Mkt Admin Amount FTR Mkt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount RT FBT Congestion Amount RT FBT Congestion Amount RT FBT Congestion Amount	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ - \$ 12,847 \$ (177,566)	\$ - \$ 55,79. \$ 4,17. \$ 3,71. \$ - \$ 158,68: \$ - \$ 10,91.	\$ - \$ - \$ (12,291) 3 \$ (12,676) 9 \$ 2,184 \$ - 3 \$ 24,135 \$ - 4 \$ (1,933) 9) \$ (32,625)	0.00% 0.00% 0.00% -18.05% -28.63% 143.12% 0.00% 17.94% 0.00% -15.05% 18.37%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51 52 53 54 55 56 57 58	555.08 555.12 555.32 555.01 555.18 555.13 555.03 555.20 555.14 555.14	DA Virtual Energy Amount IT Virtual Energy Amount DA Mkt Admin Amount DA Mkt Admin Amount FTR Mkt Admin Amount FTR Mkt Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount FTR HOUTE Congestion Amount FTR HOuter Amount FTR Houtly Allocation Amount FTR Houtly Allocation Amount FTR Monthly Allocation Amount	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ - \$ 12,847 \$ (177,586) \$ (12,104)	\$ - \$ 55,793 \$ 4,174 \$ 3,711 \$ - \$ 158,683 \$ - \$ 10,914 \$ (210,19) \$ (12,360	\$ - \$ (12,291) \$ \$ (1,676) \$ \$ 2,184 \$ - \$ \$ 24,135 \$ \$ (1,933) \$ \$ (1,933) \$ \$ (256) \$ (256)	0.00% 0.00% -18.05% -28.63% 143.12% 0.00% 17.94% 0.00% -15.05% 18.37% 2.11%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58	555.08 555.12 555.32 555.01 555.18 555.13 555.03 555.20 555.14 555.14	DA Virtual Energy Amount TY Virtual Energy Amount DA Mkt Admin Amount RT Mkt Admin Amount RT Mkt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT FBT Congestion Amount RT FBT Congestion Amount FTR Hourty Allocation Amount FTR Hourty Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$	\$ - \$ 55,793 \$ 4,174 \$ 3,711 \$ - \$ 158,683 \$ - \$ 10,914 \$ (210,19) \$ (12,366	\$	0.00% 0.00% -18.05% -28.63% 143.12% 0.00% -17.94% 0.00% -15.05% 18.37% 2.11% -100.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51 52 53 54 55 56 57 58	555.08 555.12 555.32 555.01 555.18 555.13 555.03 555.20 555.14 555.15 555.17 555.35	DA Virtual Energy Amount TY Virtual Energy Amount DA Mkt Admin Amount RT Mkt Admin Amount RT Mkt Admin Amount FTR Mkt Admin Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion RT FBT Congestion Amount RT Congestion RT Gongestion RT Hourty Allocation Amount FTR Honthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ - \$ 12,847 \$ (177,586) \$ (12,104)	\$ - \$ 55,79. \$ 4,17. \$ 3,711. \$ - \$ 158,68: \$ - \$ 10,91. \$ (210,19. \$ (12,36). \$ - \$ -	\$ - \$ - 3 \$ (12,291) 3 \$ (1,676) 9 \$ 2,184 \$ - 3 \$ 24,135 \$ - 1 \$ (1,933) 1) \$ (32,625) 9) \$ (256) \$ 3,328 \$ \$ 3,328 \$ \$ 8,843	0.00% 0.00% -18.05% -28.63% 143.12% 0.00% -15.05% 18.37% 2.11% -100.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62	555.08 555.12 555.32 555.01 555.13 555.03 555.03 555.14 555.15 555.17 555.36 555.36	DA Virtual Energy Amount TY Virtual Energy Amount DA Mkt Admin Amount BT Mkt Admin Amount RT Mkt Admin Amount FTR Mkt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion RT FBT Congestion Amount FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR West Allocation Amount FTR West Allocation Amount FTR Monthly Transaction Amount FTR FIII Funding Guarantee Amount FTR FIII Funding Guarantee Amount	\$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ - \$ 117,566 \$ (12,104) \$ (3,328) \$ (8,343) \$ 335 \$ (283)	\$ \$ 55,79; \$ 41,77; \$ 3,771; \$ \$ 158,68; \$ \$ (210,19) \$ (12,36) \$ \$ \$ \$ \$ \$ \$ \$ (210,19) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ (210,19) \$	\$	0.00% 0.00% -18.05% -28.63% 143.12% 0.00% -15.05% 18.37% 2.11% -10.00% -44.41% 10.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	555.08 555.12 555.32 555.01 555.18 555.13 555.03 555.20 555.14 555.15 555.36 555.36 555.37	DA Virtual Energy Amount IT Virtual Energy Amount DA Mit Admin Amount RT Mitt Admin Amount RT Mitt Admin Amount FTR Mitt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion FTR Hourly Allocation Amount FTR Mitt Admin Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR TW Yearly Allocation Amount FTR TR FILL FUND AMOUNT FTR FULL FUND AMOUNT FTR FULL FUND AMOUNT FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ 134,548 \$ - \$ 12,847 \$ (177,566) \$ (12,104) \$ (3,328) \$ (8,343) \$ 335 \$ (283) \$ (393) \$ (283) \$ (283) \$ (393) \$ (283) \$ (393) \$	\$\$ 55,79. \$ 4,171. \$ 3,711. \$ 158,68: \$ \$ 10,91. \$ (210,19) \$ (12,366) \$ \$ 3,16: \$ (3,16: \$ (3,16:	\$ - \$ \$ - \$ \$ (12,291) \$ \$ (1,676) \$ \$ 2,184 \$ \$ - \$ \$ 3 \$ \$ 24,135 \$ \$ 1,933 \$ \$ (32,625) \$ \$ 3,328 \$ \$ 3,328 \$ \$ 8,343 \$ \$ 2,827 \$ \$ 3,938 \$ 3,938	0.00% 0.00% -18.05% -18.05% 143.12% 0.00% -15.05% 18.37% 2.11% -100.00% -10	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	555.08 555.12 555.32 555.13 555.13 555.03 555.03 555.14 555.15 555.15 555.15 555.37 555.36 555.37	DA Virtual Energy Amount IT Virtual Energy Amount DA Mkt Admin Amount DA Mkt Admin Amount IT Mkt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT FBT Congestion Amount RT EBT Congestion Amount FTR Hourty Allocation Amount FTR Hourty Allocation Amount FTR Monthly Allocation Amount FTR Monthly Transaction Amount FTR Monthly Transaction Amount FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Anual Transaction Amount	\$ - \$ - \$ 68,084 \$ 5,684 \$ 1,526 \$ - \$ 134,548 \$ (177,566) \$ (12,104) \$ (3,328) \$ (8,343) \$ 335 \$ (283) \$ (191,541)	\$\$\$\$\$\$\$\$.	\$ \$	0.00% 0.00% 1.00% 1.80 5% 143 12% 0.00% 17.94% 1.50 5% 1.51 15% 2.11% 1.00 00% 4.41 41% 1.01 10.00% 1.01 10.00% 2.2.22%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	555.08 555.12 555.32 555.13 555.13 555.13 555.13 555.14 555.15 555.15 555.15 555.15 555.15 555.35 555.35 555.39 555.39 555.39 555.39	DA Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount RT Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount OA Congestion RT FBT Congestion Amount RT Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$	\$ \$	0.00% 0.00% 0.00% -28.63% 143.12% 0.00% 17.94% 15.05% 18.37% -100.00% 844.41% 1017.43% 22.22% 22.19%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	555.08 555.12 555.32 555.13 555.13 555.13 555.13 555.20 555.14 555.17 555.36 555.36 555.36 555.38 555.38 555.39	DA Virtual Energy Amount TY Virtual Energy Amount DA MKI Admin Amount RTM KI Admin Amount RTM KI Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT EBT Congestion Amount RT Congestion RT FBT Congestion Amount FTR Mourty Allocation Amount FTR Monthly Allocation Amount FTR Monthly Transaction Amount FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount FTR Guarantee Uplith Amount FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount FTR Annual Transaction Amount FTR Acution Revenue Rights Infeasible Uplith Amount FTR Auction Revenue Rights Infeasible Uplith Amount FTR Auction Revenue Rights Infeasible Uplith Amount	\$ - \$ - \$ 68,084 \$ 5,854 \$ 1,526 \$ - \$ 134,548 \$ (177,566) \$ (12,104) \$ (3,328) \$ (8,343) \$ (283) \$ (283) \$ (293) \$ 191,541 \$ 4,268 \$ 4,268	\$ \$ 55.79: \$ 4.77: \$ 4.77: \$ 5 4.77: \$ 5 158.68: \$ 10.91: \$ (210.19 \$ (12.36) \$ 5 1.91: \$ 3.16: \$ 3.1	\$ \$	0.00% 0.00% 1.00% 1.80 5% 143.12% 1.00% 1.7.94% 0.00% 1.5.05% 1.10.00% 1.00	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable. Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	555.08 555.12 555.32 555.01 555.18 555.03 555.14 555.15 555.15 555.17 555.36 555.37 555.39 555.39 555.40 555.41 555.41	DA Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount IV Mit Admin Amount FTR Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount IV Congestion IV Co	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$	\$ \$	0.00% 0.00% -0.00% -18.05% -28.63% 143.12% 0.00% -1.5.05% 115.05% 145.05% -1.00.00% -1	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	555.08 555.12 555.32 555.13 555.13 555.13 555.13 555.14 555.14 555.15 555.35 555.35 555.39 555.38 555.39 555.39 555.39	DA Virtual Energy Amount IT Virtual Energy Amount DA Mit Admin Amount RT Mitt Admin Amount FTR Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT ET Congestion Amount RT ET Congestion Amount FTR Monthly Allocation Amount FTR Hourly Allocation Amount FTR Monthly Transaction Amount FTR Monthly Transaction Amount FTR Monthly Transaction Amount FTR Mouth Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Rights Stage 2 Distribution Amount	\$ - \$ - \$ 68.084 \$ 5.854 \$ 1,526 \$ - \$ 134,548 \$ - \$ (177,566) \$ (12,104) \$ (3,328) \$ (283) \$ (283) \$ (283) \$ 191,541 \$ 4,268 \$ (15,954) \$ 12,565	\$ \$	\$ \$	0.00% 0.00% 1.80.5% 226.53% 143.12% 0.00% 17.94% 0.00% 15.05% 12.11% 10.01% 10.10% 10.10% 22.22% 22.19% 35.13% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	555.08 555.12 555.32 555.01 555.18 555.18 555.18 555.50 555.20 555.36 555.36 555.36 555.37 555.39 555.39 555.39 555.31 555.31 555.31 555.31 555.31	DA Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount RT Mitt Admin Amount FTR Mitt Admin Amount FTR Mitt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT EBT Congestion Amount RT Congestion FTR Hourly Allocation Amount FTR Mitty Allocation Amount FTR Monthly Allocation Amount FTR Wearly Allocation Amount FTR Wearly Allocation Amount FTR Full Funding Guarantee Amount FTR Gurantee Uplift Amount FTR Gurantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$	\$ \$	0.00% 0.00% 1.80.5% 28.63% 143.12% 0.00% 17.94% 0.00% 15.05% 19.00% 10.1	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	555.08 555.12 555.32 555.01 555.18 555.13 555.10 555.14 555.15 555.17 555.36 555.37 555.36 555.38 555.38 555.39 555.39 555.31 555.17 555.31	DA Virtual Energy Amount IT Virtual Energy Amount DA Mix Admin Amount DA Mix Admin Amount FIR Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount FIR To Congestion FIR Hourly Allocation Amount FIR Very Amount FIR Monthly Allocation Amount FIR Monthly Allocation Amount FIR Worthy Allocation Amount FIR Monthly Transaction Amount FIR Guarantee Uplift Amount FIR Guarantee Uplift Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Stage 2 Distribution Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount FIR Avenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ - \$ 68.084 \$ - \$ 5.854 \$ 5.854 \$ \$ 1,526 \$ \$ \$ 134.548 \$ 5 1,7526 \$ \$ 12,947 \$ \$ 12,104 \$ \$ 13,328 \$ \$ 135,547 \$ \$ 191.541 \$ 191.541 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ \$ 1,565 \$ 1	\$ \$	\$ \$	0.00% 0.00% 1.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72	555.08 555.12 555.13 555.13 555.18 555.18 555.15 555.16 555.16 555.17 555.35 555.36 555.37 555.39 555.39 555.39 555.31 555.31 555.31 555.31 555.31 555.32 555.32 555.33	DA Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount RT Mitt Admin Amount FTR Mitt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount RT EDT Congestion Amount RT EDT Congestion Amount FTR Congestion Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount FTR Wearly Allocation Amount FTR Full Funding Guarantee Amount FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Diage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$	\$ \$	0.00% 0.00% 1.80.5% 1.	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73	555.08 555.12 555.13 555.13 555.13 555.03 555.13 555.15 555.15 555.17 555.15 555.17 555.37 555.39 555.30 555.40 555.15 555.15 555.15 555.17 555.39 555.40 555.15 555.17 555.39 555.40 555.40 555.15	DA Virtual Energy Amount IT Virtual Energy Amount IT Virtual Energy Amount DA Mix Admin Amount PTR Mix Admin Amount FTR Mix Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount FTR Description FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Sergin Amount FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount FTR Averue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ \$ 55.79: \$ 4.177: \$ 3.711: \$ \$ 158.68: \$ 10.91: \$ (12.36): \$ \$ (234.10): \$ 2.760: \$ 2.34.040: \$ (24.433): \$ (24.433): \$ (6.593): \$ (6.593): \$ (5.118): \$ 3.065: \$ 3.065: \$ 3.068: \$ 3.0	\$ \$	0.00% 0.00% 0.00% 18.05% -28.63% 143.12% 0.00% 17.94% 15.05% 16.37% -10.00% 44.41% 0.00% 47.53% -99.97% -90.00	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 55 56 57 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	555.08 555.12 555.13 555.13 555.13 555.13 555.20 555.14 555.15 555.15 555.16 555.17 555.35 555.36 555.37 555.30 555.40 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50 55	DA Virtual Energy Amount IV Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount FTR Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount OA FBT Congestion Amount IV Congestion	\$ - \$ - 68.084 \$ - 68.084 \$ - 5.854 \$ - 1,526 \$ - 5.854	\$	\$ \$	0.00% 0.00% 0.00% 18.05% -28.63% 143.12% 0.00% 17.94% 1.00% 15.55% 145.12% 100.00% 15.55% 16.75% 100.00% 15.55% 100.00% 15.55% 100.00% 15.55% 15.13%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 66 67 70 71 72 73 74	555.08 555.12 555.13 555.13 555.03 555.03 555.03 555.03 555.03 555.17 555.17 555.36 555.37 555.36 555.37 555.38 555.38 555.39 555.39 555.39 555.39 555.30 555.41 555.11 555.53 555.53 555.53 555.53 555.53 555.53 555.53 555.53	DA Virtual Energy Amount IT Virtual Energy Amount IT Virtual Energy Amount DA Mix Admin Amount FIR Mix Admin Amount FIR Mix Admin Amount DA ET Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount FIR Description FIR Hourly Allocation Amount FIR Monthly Allocation Amount FIR Monthly Transaction Amount FIR Monthly Transaction Amount FIR FIR Underson Amount FIR Monthly Transaction Amount FIR FIR Guarantee Uplift Amount FIR FIX Guarantee Mix	\$ - \$ 68.024 \$ 5 68.02	\$ \$	\$ \$	0.00% 0.00% 0.00% 1.80 % 1.80 % 1.81 % 1.81 % 1.82 % 1.83 % 1.83 % 1.84 % 1.85	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 55 55 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 77 77 77 77 77	555.08 555.12 555.13 555.13 555.03 555.03 555.03 555.03 555.03 555.14 555.17 555.36 555.36 555.36 555.39 555.30 555.41 555.41 555.41 555.41 555.41 555.53 555.53 555.53	DA Virtual Energy Amount IV Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount FTR Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount IV Congestion RT FBT Congestion Amount FTR Oncestion FTR Hourly Allocation Amount FTR Worthly Allocation Amount FTR Yearty Allocation Amount FTR Yearty Allocation Amount FTR Full Funding Guarantee Amount FTR Full Funding Guarantee Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Avernue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Insafvertent Amount RT Net Uninstructed Deviation Amount	\$ - \$ - 68.084 \$ - 68.084 \$ - 5.854 \$ - 1,526 \$ - 5.854	\$	\$ \$	0.00% 0.00% 0.00% 1.805% -28.63% 143.12% 0.00% 1.79.4% 0.00% 1.15.05% 1.15.05% 1.10.00% 844.41% 1.00.00% 3.18.37% -3.13% -3.5.13%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 53 55 55 56 57 58 60 61 62 63 64 67 68 69 70 71 72 73 74 75 76 77	555.08 555.12 555.32 555.13 555.13 555.03 555.03 555.03 555.03 555.03 555.17 555.36 555.37 555.36 555.37 555.36 555.37 555.38 555.39 555.30 555.30 555.30 555.30 555.30 555.30 555.30 555.30 555.30 555.30 555.30 555.30 555.30	DA Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount RT Mitt Admin Amount FTR Mitt Admin Amount FTR Mitt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount AT EBT Congestion Amount RT EBT Congestion Amount RT EBT Congestion Amount FTR Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Warry Allocation Amount FTR Warry Allocation Amount FTR Full Funding Guarantee Amount FTR Gurantee Uplift Amount FTR Gurantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Make Whole Pymt Amount DA Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Met Inadvertent Amount RT Met Inadvertent Amount RT Demant Response Allocation Uplift Amount	\$ - \$ - 68.094 \$ - 5.565 \$	\$	\$ \$	0.00% 0.00% 0.00% 1.80.5% 143.12% 1.00% 1.	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 55 55 55 55 56 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	555.08 555.12 555.32 555.13 555.13 555.13 555.03 555.20 555.14 555.15 555.15 555.36 555.36 555.37 555.36 555.37 555.39 555.40 555.15 555.37 555.39 555.40 555.40 555.53 555.40 555.53	DA Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount FIT Mitt Admin Amount FIT Mitt Admin Amount FIT Mitt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount AT Congestion RT FBT Congestion Amount FIT Congestion Amount FIT Congestion FIT Hourly Allocation Amount FIT Monthly Allocation Amount FITR Monthly Allocation Amount FITR Monthly Transaction Amount FITR Monthly Transaction Amount FITR Full Funding Guarantee Amount FITR Guarantee Uplift Amount FITR Auction Revenue Rights Transaction Amount FITR Auction Revenue Rights Infeasible Uplift Amount FITR Auction Revenue Rights Infeasible Uplift Amount FITR Auction Revenue Rights Stage 2 Distribution Amount FITR Auction Revenue Rights Infeasible Uplift Amount FITR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Net Inadevetent Amount RT Mits Amount RT Uninstructed Deviation Amount RT Demant Response Allocation Uplift Amount DA Ramp Product	\$ - \$ - 68.084	\$ \$	\$ \$	0.00% 0.00% 0.00% 0.00% 18.05% 18.05% 19.06%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 65 66 67 77 73 74 75 77 78 80	555.08 555.12 555.32 555.01 555.01 555.03 555.03 555.03 555.03 555.03 555.36 555.36 555.36 555.37 555.39 555.40 555.17 555.39 555.40 555.40 555.53 555.30 55	DA Virtual Energy Amount IT Virtual Energy Amount IT Virtual Energy Amount DA Mit Admin Amount PAT Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount OA Congestion IT FBT Congestion Amount FTR To Congestion Amount FTR OA Congestion FTR Hourty Allocation Amount FTR Versery Allocation Amount FTR Versery Allocation Amount FTR Monthly Transaction Amount FTR August Allocation Amount FTR August Allocation Amount FTR August Allocation Amount FTR FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Avenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Met Insaverteet Amount RT Met Insaverteet Amount RT Met Insaverteet Amount RT Met Insaverteet Amount RT Demand Response Allocation Uplift Amount RT Amap Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ - \$ - 68.084 \$ - 68.084 \$ - 5.854 \$ - 134,548 \$ - 134,548 \$ - 12,847 \$ 12,847 \$ (177,566) \$ (12,104) \$ (3,328) \$ (3,328) \$ (3,328) \$ (39,328) \$ (191,541) \$ 4,268 \$ (15,554) \$ - \$ (263) \$ (263) \$ (26,781) \$ (21,088) \$ (26,781) \$ (27,088) \$ (28,343) \$ (28,34	\$ \$	\$ \$	0.00% 0.00% 0.00% 1.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Market Charges - Not MN EAR Applicable RT Schedule 49 Cost Distribition is a new charge type as of 2020
49 50 51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 65 66 67 70 77 77 77 79 80	555.08 555.12 555.32 555.01 555.13 555.03 555.03 555.03 555.13 555.15 555.15 555.15 555.15 555.35 555.37 555.37 555.37 555.37 555.37 555.37 555.39 555.39 555.39 555.39 555.39 555.39 555.39 555.30 555.60	DA Virtual Energy Amount IV Virtual Energy Amount IV Virtual Energy Amount DA Mit Admin Amount FTR Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA FBT Congestion Amount IV Congestion	\$ - \$ - 68.084 \$ 68.084 \$ 5 68.894 \$ 1,526 \$ 1,526 \$ 134,548 \$ 12,847 \$ (177,566) \$ (283) \$ (33,328) \$ (391,541) \$ (283) \$ (391,541) \$ (283) \$ (391,541) \$ (26,781) \$ (30,713 \$ (26,781) \$ (26	\$	\$ \$	0.00% 0.00% 0.00% 0.00% 0.00% 18.05% 18.05% 0.00% 17.94% 10.00% 15.05% 18.37% 2.11% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
49 50 51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 77 77 78 80 80 80 80 80 80 80 80 80 8	555.08 555.12 555.32 555.01 555.13 555.03 555.03 555.03 555.13 555.15 555.15 555.15 555.15 555.35 555.37 555.37 555.37 555.37 555.37 555.37 555.39 555.39 555.39 555.39 555.39 555.39 555.39 555.30 555.60	DA Virtual Energy Amount IT Virtual Energy Amount IT Virtual Energy Amount DA Mit Admin Amount PAT Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount OA Congestion IT FBT Congestion Amount FTR To Congestion Amount FTR OA Congestion FTR Hourty Allocation Amount FTR Versery Allocation Amount FTR Versery Allocation Amount FTR Monthly Transaction Amount FTR August Allocation Amount FTR August Allocation Amount FTR August Allocation Amount FTR FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Avenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Met Insaverteet Amount RT Met Insaverteet Amount RT Met Insaverteet Amount RT Met Insaverteet Amount RT Demand Response Allocation Uplift Amount RT Amap Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ - \$ - 68.084 \$ - 68.084 \$ - 5.854 \$ - 134,548 \$ - 134,548 \$ - 12,847 \$ 12,847 \$ (177,566) \$ (12,104) \$ (3,328) \$ (3,328) \$ (3,328) \$ (39,328) \$ (191,541) \$ 4,268 \$ (15,554) \$ - \$ (263) \$ (263) \$ (26,781) \$ (21,088) \$ (26,781) \$ (27,088) \$ (28,343) \$ (28,34	\$ \$	\$ \$	0.00% 0.00% 0.00% 0.00% 0.00% 18.05% 18.05% 0.00% 17.94% 10.00% 15.05% 18.37% 2.11% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale Market Charges - Not MN EAR Appli Excluded from Total MISO Wholesale MISO Wholesale MISO Wholesale MISO Wholesale MISO Wholesale MISO Wholesale MISO

							,	
84		DA Losses Rebate on COGA	\$ -	\$	-	\$ -	0.00%	
85	555.22	RT Congestion Rebate on COGA	\$ -	\$		\$ -	0.00%	
86	555.23	RT Loss Rebate on COGA	\$ -	\$		\$ -	0.00%	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -	\$	(3,078)	\$ (3,078)	0.00%	
88		T		-				T. (T.
89		Total MISO Wholesale Market Charges	\$ 333,164	\$	313,989	\$ (19,175)	-5.76%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91		ODD Williams I I - Market Obanius		_				
	FFF 40	SPP Wholesale Market Charges	\$ -		_	s -	0.000/	Francisco Accounts to the deal of the Market Providence
92		DA Asset Energy Amount***	Ÿ	\$				Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$ -	\$		\$ -	0.00%	
94		RT Asset Energy Amount***	\$ -	\$		\$ -		Energy Amounts - included/embedded within Market Purchases
95		RT Non-Asset Energy Amount	\$ -	\$		\$ -	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount	\$ 15			\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143		277		94.40%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$		\$ -	0.00%	
99		RT Revenue Neutrality Uplift Distribution Amount	\$ 85			\$ (84)	-98.71%	
100		DA Regulation-Down Distribution Amount	\$ 10			\$ 64	636.55%	
101		DA Regulation-Up Distribution Amount	\$ 13		92		609.27%	
102		DA Spinning Reserve Distribution Amount	\$ 18 \$ 2		91		410.56%	
103 104		DA Supplemental Reserve Distribution Amount					211.27%	
		RT Contingency Reserve Deployment Failure Amount) \$			-100.00%	
105		RT Over-Collected Losses Distribution Amount	\$ (10,922		(8,237)		-24.58%	
106		RT Regulation-Down Distribution Amount) \$		\$ (3)	579.25%	
107		RT Regulation Non-Performance Distribution Amount) \$		\$ (1)		
108		RT Regulation-Up Distribution Amount) \$		\$ (1)		
109		RT Spinning Reserve Distribution Amount) \$				
110	555.17	RT Supplemental Reserve Distribution Amount) \$		\$ 0	-100.00%	
111		RT Pseudo Tie Congestion Amount	\$ (25,286			\$ (58,592)	231.72%	
112		RT Pseudo Tie Loss Amount	\$ (16,551			\$ 5,446	-32.90%	
113		Miscellaneous Amount	\$ (10		19		-286.37%	
114		ARR Closeout Yearly Amount	\$ -	\$		\$ -	0.00%	
115		RT Demand Reduction Distribution Amount	\$ -	\$		\$ -	0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount	\$ (0		37		-8677.09%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$		\$ -	0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$		\$ -	0.00%	
119		Total SPP Wholesale Market Charges	\$ (52,487) \$	(102,631)	\$ (50,144)	95.54%	
120				_				
121		MISO ASM						
122		Day Ahead Regulation Amount	\$ (29,895) \$		\$ (37,547)	125.59%	
123		Real Time Regulation Amount	\$ 2,466			\$ 20,282	822.39%	
124		Regulation Cost Distribution Amount	\$ 16,054			\$ 1,201	7.48%	
125		Day Ahead Spinning Reserve Amount	\$ (17,737			\$ 9,342	-52.67%	
126		Real Time Spinning Reserve Amount	\$ 262			\$ (3,909)	-1491.28%	
127		Spinning Reserve Cost Distribution Amount	\$ 17,145		9,203		-46.32%	
128 129			\$ (3,056 \$ 265			\$ (5,062)	165.61% 1770.70%	
						\$ 4,699		
130		Supplemental Reserve Cost Distribution Amount	\$ 4,194			\$ (2,368)	-56.45%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802			\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918				-18.49%	
133		Net Regulation Adjustment Amount	\$ 1,126		3,497		210.66%	
134		Total MISO ASM	\$ (6,457) \$	(26,545)	\$ (20,088)	311.09%	
135		Total Minatage Mark 199			404.065	ė (00 tam	00 000	
136		Total Wholesale Market Charges	\$ 274,220	\$	184,813	\$ (89,407)	-32.60%	
137				+				
138	Durch	and Dawer		+				
139	Purchas	sed Power	IDDOTECTED E : -		ECINE			
140		Edwaley DDA	[PROTECTED DAT	A BE	EGINS			
141		Edgeley PPA		4				
142		Langdon PPA		4				
143		Ashtabula III PPA		4				
144		Tribal (WAPA)		+				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance		4				
146		Shared Loads Small Co-gen		4				
		Small Co. don		4				
147		Sinali Co-gen		- 1				
147 148		Bilateral purchases		_				
147 148 149		Market Purchases						MISO and SPP Energy Only
147 148 149 150		Bilateral purchases Market Purchases					ED DATA ENDS]	
147 148 149 150 151		Bilateral purchases	\$ 6,472,100	\$	6,154,798	PROTECT \$ (317,302)		Tribal (WAPA) excluded from Total
147 148 149 150 151 152		Bilateral purchases Market Purchases Total Purchases				\$ (317,302)	-4.90%	
147 148 149 150 151 152 153	Wind C	Bilateral purchases Market Purchases	\$ 6,472,100 \$ 7,020					
147 148 149 150 151 152 153 154		Bilateral purchases Market Purchases Total Purchases urtailment	\$ 7,020	\$	2,812	\$ (317,302) \$ (4,208)	-4.90% -59.94%	Tribal (WAPA) excluded from Total
147 148 149 150 151 152 153 154 155		Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	\$ 7,020	\$	2,812	\$ (317,302) \$ (4,208) \$ 270,809	-4.90% -59.94% 0.00%	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
147 148 149 150 151 152 153 154 155 156		Bilateral purchases Market Purchases Total Purchases urtailment sased Sales Fuel Costs	\$ 7,020 \$ - \$ -	\$ \$ \$	2,812 270,809 236,331	\$ (317,302) \$ (4,208) \$ 270,809 \$ 236,331	-4.90% -59.94% 0.00% 0.00%	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
147 148 149 150 151 152 153 154 155 156		Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	\$ 7,020	\$	2,812 270,809 236,331	\$ (317,302) \$ (4,208) \$ 270,809	-4.90% -59.94% 0.00%	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
147 148 149 150 151 152 153 154 155 156 157	Asset B	Bilateral purchases Market Purchases Total Purchases turtaliment Lased Sales Fuel Costs Asset Based Margins	\$ 7,020 \$ - \$ - \$ -	\$ \$ \$	2,812 270,809 236,331 34,478	\$ (317,302) \$ (4,208) \$ 270,809 \$ 236,331 \$ 34,478	-4.90% -59.94% 0.00% 0.00%	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
147 148 149 150 151 152 153 154 155 156 157	Asset B	Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs Asset Based Margins	\$ 7,020 \$ - \$ - \$ -	\$ \$ \$	2,812 270,809 236,331	\$ (317,302) \$ (4,208) \$ 270,809 \$ 236,331 \$ 34,478	-4.90% -59.94% 0.00% 0.00%	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

March 2007 Mar								
Part					March 2020 I	orecast to Actual - I	Wh	
Company Comp								
1	Line	Dlamt C	augustiau	Forecast	Actual	Variance MWh	Variance %	Notes
Count Coun				[PROTECTED DATA	A BEGINS			
Process Proc			Coyote					
March Marc	3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
Total Note Tot			HOUL Lake #3			PROTE	CTED DATA ENDS	
Large Noval Comment	6		Total Coal	206,300				
Aptibula Word Aptibula Aptibula Word Aptibula Ap			Lanadon Wind	[PROTECTED DAT	A BEGINS			
10 Lovert Wind								
			Luverne Wind					
1.0 Total Wind 1,300 1,360 1,360 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3,179 3			Merricourt			PROTE	CTED DATA ENDS!	Merricourt does not come into service until 2020
Total Type	13		Total Wind	41,300	43,146			
			Total Hydro			507	31.70%	
Labo Preston Labo Preston Labo Preston Labo Preston Labo Preston Labo Preston Labo Lorina Labo Lor			Jamestown 1	[FROTECTED DATE	A BEGINS			
	18							
Total Oil - Peaking Units PROTECTED DATA BEGINS			Lake Preston					
Total Qii - Peaking just February PROTECTED DATA BERGIN						PROTE	CTED DATA ENDS	
Natural gas - Soloney	22		Total Oil - Peaking Units	400				
Activate gas - Activate Activ	23		Natural das - Solway	PROTECTED DAT	A BEGINS			
PROTECTED DATA ENDS	25		Natural gas - Astoria					Astoria Station does not come into service until 2020
Solar Bus slay FROTECTED DATA BEGINS	26							
Solar - Blue Jay			Total Natural Gas	1,000	3,667	2,667	266.70%	
Solar - Blue Heron	29		Solar - Blue Jay	. NOTESTED DATE	DEGING			
Total OTP-Owned 250,600 (19,792) -7,59%			Solar - Blue Heron					
	31		Total Solar	_	_	PROTE		
Wholesals Market Charges				-	-			
Wholeses Warket Charges	34		Total OTP-Owned	250,600	230,808	(19,792)	-7.90%	
		Wholes	ale Market Charges					
1985 1985 1987	37		MISO Wholesale Market Charges					
10 555.09 DA Non-assel Energy Amount*** N/A		555.02	DA Asset Energy Amount***					
14		555.04	DA FBT Loss Amount DA Non-seset Energy Amount***					
42 555.24 RT Distribution of Losses Amount								
DA Loss Amount		555.24	RT Distribution of Losses Amount		N/A	N/A	N/A	
RT Loss Amount								
655.28 RT Non-Asset Energy Amount*** NIA			RT Loss Amount					
855.12 DA VITUAI Energy Amount NA NIA	46	555.26	RT Non-Asset Energy Amount***	N/A	N/A	N/A	N/A	
955.52 RT Virual Energy Amount								
555.01 DA Mik Admin Amount		555.32	RT Virtual Energy Amount					
555.13 FTR Mith Admin Amount		555.01	DA Mkt Admin Amount	N/A	N/A	N/A	N/A	
	51	555.18	RT Mkt Admin Amount		N/A	N/A	N/A	
DA Congestion		555.03	DA FBT Congestion Amount					
Section Sect	54		DA Congestion	N/A	N/A	N/A	N/A	
555.14 FTR Houthy Allocation Amount N/A			RT FBT Congestion Amount	N/A				
555.15 FTR Monthly Allocation Amount N/A		555.14	FTR Hourly Allocation Amount	N/A N/A				
555.35 FTR Monthly Transaction Amount		555.15	FTR Monthly Allocation Amount	N/A	N/A	N/A	N/A	
555.36 FTR Full Funding Guarantee Amount								
S55.37 FTR Quarantee Uplift Amount		555.36	FTR Full Funding Guarantee Amount					
555.38 FTR Annual Transaction Amount		555.37	FTR Guarantee Uplift Amount		N/A	N/A		
66 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A								
68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A <td< td=""><td>66</td><td>555.41</td><td>FTR Auction Revenue Rights Stage 2 Distribution Amount</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td></td></td<>	66	555.41	FTR Auction Revenue Rights Stage 2 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 N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 71 555.3 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 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A 74 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A 77 555.95 RT Camand Response Allocation Uplift Amount N/A N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A N/A		555.07	DA Congestion Rebate on Option B GFA					
		555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount					
71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A	70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	N/A	N/A	
73 555.28 RT Revenue Neutrality Uplift Amount N/A		555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount					
		555.42	RT Revenue Neutrality Uplift Amount		N/A	N/A	N/A	
75 555.27 RT Net Inadvertent Amount N/A N/A <t< td=""><td>74</td><td>555.25</td><td>RT Misc Amount</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td></td></t<>	74	555.25	RT Misc Amount	N/A	N/A	N/A	N/A	
77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A N/A N/A 9 555.68 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 N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A N/A N/A 82 555.56 RT ASM Kxcessive Energy Amount*** N/A N/A N/A N/A	75	555.27	RT Net Inadvertent Amount	N/A	N/A	N/A	N/A	
78 555.63 DA Ramp Product N/A N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A N/A N/A 80 555.65 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 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A								
79 555.64 RT Ramip Product N/A N/A N/A N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A 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 82 555.56 RT ASM Excessive Energy 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 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A N/A	79	555.64	RT Ramp Product	N/A	N/A	N/A	N/A	
82 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A N/A N/A N/A								
		555.56	RT ASM Excessive Energy Amount***			N/A N/A		

84	555.06	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	N/A	N/A	
86		RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88		,					
89		Total MISO Wholesale Market Charges					
90							
91		SPP Wholesale Market Charges					
92		DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.19	DA New and Francis Amount					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102		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	
104	555.08	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	N/A	N/A	
106	555.12	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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		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	N/A	N/A	
112	55E 21	RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
112		Miscellaneous Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120							
121		MISO ASM					
122		Day Ahead Regulation Amount	N/A	N/A	N/A	N/A	
		Day Alleau Regulation Amount					
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount					
132			N/A	N/A	N/A	N/A	
			N/A	N/A	N/A	N/A	
		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount					
133 134		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133 134 135		Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	N/A	N/A	N/A	N/A	
133 134 135 136		Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
133 134 135 136 137		Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	N/A	N/A	N/A	N/A	
133 134 135 136 137 138		Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges	N/A	N/A	N/A	N/A	
133 134 135 136 137 138 139		Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	N/A N/A	N/A N/A	N/A	N/A	
133 134 135 136 137 138 139 140	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	N/A	N/A N/A	N/A	N/A	
133 134 135 136 137 138 139 140	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA	N/A N/A	N/A N/A	N/A	N/A	
133 134 135 136 137 138 139 140	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	N/A N/A	N/A N/A	N/A	N/A	
133 134 135 136 137 138 139 140 141 142	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA	N/A N/A	N/A N/A	N/A	N/A	
133 134 135 136 137 138 139 140 141 142 143	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MiSO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	N/A N/A	N/A N/A	N/A	N/A	Not Applicable to FAR - Evaluated from Total
133 134 135 136 137 138 139 140 141 142 143	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	N/A N/A	N/A N/A	N/A	N/A	Not Applicable to EAR - Excluded from Total
133 134 135 136 137 138 139 140 141 142 143 144	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MiSO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	N/A N/A	N/A N/A	N/A	N/A	Not Applicable to EAR - Excluded from Total
133 134 135 136 137 138 139 140 141 142 143 144 145	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	N/A N/A	N/A N/A	N/A	N/A	Not Applicable to EAR - Excluded from Total
133 134 135 136 137 138 139 140 141 142 143 144 145 146	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy imbalance Shared Loads Sharel Loads Sharel Loads Small Co-gen	N/A N/A	N/A N/A	N/A	N/A	Not Applicable to EAR - Excluded from Total
133 134 135 136 137 138 139 140 141 142 143 144 145 146 146 147	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	N/A N/A	N/A N/A	N/A	N/A	
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy imbalance Shared Loads Sharel Loads Sharel Loads Small Co-gen	N/A N/A	N/A N/A	N/A N/A	N/A N/A	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) Waland Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	N/A N/A	N/A N/A	N/A N/A	N/A N/A	MISO and SPP Energy Only
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	N/A N/A	N/A N/A	N/A N/A	N/A N/A	MISO and SPP Energy Only
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal Chargey III PPA Shareta Loads Shareta Loads Shareta Loads Shareta Loads Sharet Purchases Market Purchases Total Purchases	N/A N/A	N/A N/A A BEGINS	N/A N/A N/A PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) Waland Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	N/A N/A	N/A N/A	N/A N/A	N/A N/A	MISO and SPP Energy Only
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purchas	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal Chargey III PPA Shareta Loads Shareta Loads Shareta Loads Shareta Loads Sharet Purchases Market Purchases Total Purchases	N/A N/A PROTECTED DATA	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Purchas Wind Co	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases urtaliment	N/A N/A PROTECTED DATA	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	Purchas Wind Co	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal Chargey III PPA Shareta Loads Shareta Loads Shareta Loads Shareta Loads Sharet Purchases Market Purchases Total Purchases	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS	N/A N/A N/A PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Purchas Wind Ct	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment ased Sales	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Purchas Wind Ct	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Total Purchases urtaliment	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Purchas Wind Ct	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment ased Sales	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
133 134 135 136 137 137 138 139 140 141 142 143 144 145 146 147 147 150 151 152 153 154	Purchas Wind Ct	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailiment assed Sales Fuel Costs	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
133 134 135 136 137 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Purchas Wind Ct	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment ased Sales	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
133 134 135 136 137 137 138 139 140 141 142 143 144 145 146 147 147 150 151 152 153 154	Purchas Wind Ct Asset B	Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailiment assed Sales Fuel Costs	N/A N/A N/A [PROTECTED DAT.	N/A N/A A BEGINS 263,564	PROTE: 40,764	N/A N/A N/A CTED DATA ENDS] 18.30% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

			March 2020 Fo	recast to Actual -	\$ per MWh	1
			March 2020	March 2020		
			Forecast	Actual		Notes
Line	Plant G		[PROTECTED DATA	A BEGINS		
1		Big Stone				
2		Coyote				Astrological de Hant Labor 40 and 40 annihiland
3 4		Hoot Lake #2 Hoot Lake #3				Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3		PROTECTED DA	TA ENDS1	
6		Total Coal	\$ 22.73	\$ 23.26	IA ENDO	
7		Total oour	[PROTECTED DATA	A REGINS		
8		Langdon Wind	[. KO . LO . LD D. K	DEGINO		
9		Ashtabula Wind				
10		Luverne Wind				
11		Merricourt				Merricourt does not come into service until 2020
12				PROTECTED DA	TA ENDS]	
13		Total Wind	\$ -	\$ -		
14 15		Total Hydro				
16		Total Hydro	PROTECTED DATA	\$ -		
17		Jamestown 1	[FROTECTED DATA	A DEGINO		
18		Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21				PROTECTED DA		
22		Total Oil - Peaking Units	\$ 68.25	\$ 9,603.19		
23			[PROTECTED DATA	A BEGINS		
24		Natural gas - Solway				Astroic Otation descriptions into an inches of the control of the
25		Natural gas - Astoria		PROTECTED DA	TA ENDC	Astoria Station does not come into service until 2020
26		Total Natural Gas			IA ENDS]	
28		i otai Naturai Gas	[PROTECTED DATA	A BEGINS		
29		Solar - Blue Jav	[KOTEOTED DATA	A DEGINO		
30		Solar - Blue Heron				
31				PROTECTED DA	TA ENDS]	
32		Total Solar	\$	\$ -		
33						
34		Total OTP-Owned	\$ 117.48	\$ 9,643.02		
35						
36	Wholes	ale Market Charges				
37 38	555.00	MISO Wholesale Market Charges	N/A	N/A		
38	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
40	555.04	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	555.24	RT Distribution of Losses Amount	N/A	N/A		
43		RT FBT Loss Amount	N/A	N/A		
44		DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A	N/A		
46	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 50	555.32	RT Virtual Energy Amount	N/A N/A	N/A N/A	-	
51	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.18	FTR Mkt Admin Amount	N/A N/A	N/A N/A		
53		DA FBT Congestion Amount	N/A	N/A		
54	222.50	DA Congestion	N/A	N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58		FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60		FTR Monthly Transaction Amount	N/A	N/A N/A	-	
61		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A	-	
63	555.30	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	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A	-	
72 73		RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
74	555.25	RT Misc Amount	N/A N/A	N/A N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76		RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
	555 56	RT ASM Excessive Energy Amount***	N/A	N/A	1	
82	66					
82 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	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96		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		RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100		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		RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114	555.26	ARR Closeout Yearly Amount	N/A	N/A		
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120		-				
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137		-				
138						
139	Purcha	sed Power				
140			[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DA	TA ENDS]	
151		Total Purchases		\$ 23.35	-	Tribal (WAPA) excluded from Total
152						_
153	Wind C	urtailment	N/A	\$ 29.81		
154						
155	Asset E	ased Sales	N/A	\$ 20.24		
			-			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A		Based Sales
			-			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
158						
159	Total S	ystem - Plant Level	\$ 24.28	\$ 21.56		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		Г	April	2020 F	orecast to A	Actual - E	xpense (Revenue)	
			April 2020	Δ	pril 2020	Forec		Forecast to Actual Variance	
			Forecast		Actual	Actual		%	Notes
ine	Plant G	eneration	[PROTECTED DAT	A BEG	INS				
2	-	Big Stone Coyote							
3	+	Hoot Lake #2							Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3							
5		7.10				Р	ROTECT	ED DATA ENDS]	
6 7	-	Total Coal	\$ 2,979,133 [PROTECTED DAT	A DEC	3,872,874	\$	893,741	30.00%	
8	+	Langdon Wind	[FROTECTED DAT	A BLG	ING				
9		Ashtabula Wind							
10	↓	Luverne Wind							
11 12	-	Merricourt				В	POTECT	ED DATA ENDS]	Merricourt does not come into service until 2020
13	+	Total Wind	\$ -	\$		\$	-	0.00%	
14									
15 16	-	Total Hydro	\$ - [PROTECTED DAT	\$	-	\$	-	0.00%	
17	+	Jamestown 1	[PROTECTED DAT	A BEG	IN5				
18	+	Jamestown 2							
19		Lake Preston							
20	-	Fergus Control Center				_	DOTEOT	ED DATA ENDOS	
21 22	+	Total Oil - Peaking Units	\$ 27,300	s	5,718		(21,582)	ED DATA ENDS] -79.06%	
23			[PROTECTED DAT	A BEG	INS	Ľ	, ,	. 5.5676	
24		Natural gas - Solway							
25 26	+	Natural gas - Astoria		1		n	POTECT	ED DATA ENDS]	Astoria Station does not come into service until 2020
27	+	Total Natural Gas	\$ 63,700	s	58,513	\$P	(5,187)	-8.14%	
28	1		[PROTECTED DAT				(0,101)		
29		Solar - Blue Jay							
30	-	Solar - Blue Heron					DOTEOT	ED DATA ENDOS	
31 32	+	Total Solar	s .	s	-	\$P	ROTECT	ED DATA ENDS] 0.00%	
33	1	Total dollar	*	Ť		•		0.0070	
34		Total OTP-Owned	\$ 3,070,133	\$	3,937,105	\$	866,972	28.24%	
35 36	14/11	ale Market Charges							
37		MISO Wholesale Market Charges							
38	555.02	DA Asset Energy Amount***	\$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$ -	\$		\$		0.00%	
40	555.09	DA Non-asset Energy Amount***	\$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ - \$ (158,775)	\$) \$	(85,779)	\$	72,995	-45.97%	Energy Amounts - included/embedded within Market Purchases
43		RT FBT Loss Amount	\$ -	\$	- (00,110)	\$	-	0.00%	
44		DA Loss Amount	\$ 417,760		278,336		139,424)	-33.37%	
45	555.00	RT Loss Amount	\$ 24,435		(2,457)		(26,892)	-110.06%	Francisco de la chalada de la
46 47	555.20	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$		\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$ -	\$	-	\$	-	0.00%	
49	555.32	RT Virtual Energy Amount	\$ -	\$	-	\$		0.00%	
50		DA Mkt Admin Amount	\$ 60,185		62,625		2,440		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 7,252 \$ 1,852		7,277 3,229	\$ \$	25 1,377	0.35% 74.25%	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	\$ 1,032	S	5,229	\$	1,377	0.00%	Excluded from Total Wildo Wholesale Warket Charges - Not Wild EAR Applicable
54		DA Congestion	\$ 117,740	\$	181,678		63,938	54.30%	
55	555.20	RT FBT Congestion Amount	\$ -	\$	-	\$		0.00%	
56 57	5FE 4.4	RT Congestion	\$ 11,242		(34,437)		(45,679)	-406.32% 25.97%	
58	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ (155,384) \$ (10,592)		(195,587) (8,590)	S	2,002	25.87% -18.90%	
59	555.17	FTR Yearly Allocation Amount	\$ (2,912)) \$		\$	2,912	-100.00%	
60	555.35	FTR Monthly Transaction Amount	\$ (7,300)) \$	(60,323)		(53,023)	726.30%	
31	555.36	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 27,656 \$ (27,937)	\$	(14,643) 14,643	\$	(42,299) 42,580	-152.95% -152.41%	
62 63		FTR Auction Revenue Rights Transaction Amount	\$ (27,937)		(234,100)	\$	(29,378)	-152.41% 14.35%	
64	555.38	FTR Annual Transaction Amount	\$ 204,725	\$	234,045		29,321	14.32%	
35	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 5,224	\$	2,769	\$	(2,455)	-47.00%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (23,929)) \$	(24,439)		(510)	2.13%	
67 68	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 13,897	\$	6,772	\$	(7,125)	0.00% -51.27%	
39		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 13,697		(4,842)		(3,867)	396.77%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$	3,679		(27,034)	-88.02%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (26,781)			\$	26,781	-100.00%	
72 73		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (21,088) \$ 60,288		(10,374) 50,521		10,714 (9,767)	-50.81% -16.20%	
74		RT Misc Amount	\$ 60,288		2,848		(15,640)	-16.20%	
75	555.27	RT Net Inadvertent Amount	\$ 2,543		(8,620)		(11,162)	-439.00%	
76		RT Uninstructed Deviation Amount	\$ -	\$		\$	-	0.00%	
77 78	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ -	\$	(514)	\$	2,442	0.00% -82.62%	
79		RT Ramp Product	\$ (2,955)		(99)		(550)	-122.08%	
		RT Schedule 49 Cost Distribution Amount	\$ -	\$	10,385		10,385	0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
80		DT ACM Non-Francisco Francisco Americantiti	\$ -	S	-	\$		0.00%	Energy Amounts - included/embedded within Market Purchases
80 81 82	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ -	s		\$	-		Energy Amounts - included/embedded within Market Purchases

84								
		DA Losses Rebate on COGA	\$ -		-	\$ -	0.00%	
85		RT Congestion Rebate on COGA	\$ -			\$ -	0.00%	
86	555.23	RT Loss Rebate on COGA	\$ -			\$ -	0.00%	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	\$ -		1,414	\$ 1,414	0.00%	
88								
89		Total MISO Wholesale Market Charges	\$ 291,8	10 5	\$ 102,283	\$ (189,526)	-64.95%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90								
91		SPP Wholesale Market Charges						
92	555.19	DA Asset Energy Amount***	\$ -		-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
93	555.03	DA Non-asset Energy Amount	\$ -	. 9	-	\$ -	0.00%	
94		RT Asset Energy Amount***	\$ -			\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
95		RT Non-Asset Energy Amount	\$ -			\$ -	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount		15 \$	-	\$ (15)		
97		RT Make-Whole-Payment Distribution Amount		43 \$		\$ (112)		
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$ -			\$ -	0.00%	
99		RT Revenue Neutrality Uplift Distribution Amount		85 \$	7	\$ (78)	-91.27%	
100		DA Regulation-Down Distribution Amount		10 \$		\$ (6)		
101	555.05			13 \$		\$ (8)		
102				18 \$				
103		DA Supplemental Reserve Distribution Amount	S	2 9		\$ (2)		
103		RT Contingency Reserve Deployment Failure Amount	\$	(1) \$		\$ (2)		
105		RT Over-Collected Losses Distribution Amount		58) \$				
106		RT Regulation-Down Distribution Amount		(1)				
107		RT Regulation Non-Performance Distribution Amount		(0)				
108	555.14	RT Regulation-Up Distribution Amount		(1)				
109		RT Spinning Reserve Distribution Amount	\$	(0) \$		\$ 0		
110		RT Supplemental Reserve Distribution Amount		(0) \$		\$ 0		
111		RT Pseudo Tie Congestion Amount	\$ (22,1			\$ (68,824)		
112		RT Pseudo Tie Loss Amount	\$ (14,4				15.62%	
113		Miscellaneous Amount		10) \$		\$ 10	-100.00%	
114		ARR Closeout Yearly Amount				\$ -	0.00%	
115		RT Demand Reduction Distribution Amount			-	\$ -	0.00%	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	(0) \$	2	\$ 3	-631.26%	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -		\$ (0)	\$ (0)	0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	. 9	-	\$ -	0.00%	
119		Total SPP Wholesale Market Charges	\$ (45,8	96) \$	(112,808)	\$ (66,912)	145.79%	
120		-						
121		MISO ASM						
122		Day Ahead Regulation Amount	\$ (17,7	26) 5	(67,933)	\$ (50,207)	283.24%	
123		Real Time Regulation Amount	\$ (1,1	10) 5		\$ 19,610	-1766.98%	
124		Regulation Cost Distribution Amount	\$ 15.9			\$ (642)		
125		Day Ahead Spinning Reserve Amount	\$ (26,4			\$ 18,924	-71.53%	
126		Real Time Spinning Reserve Amount	\$ 4,7			\$ (9,037)	-191.19%	
127		Spinning Reserve Cost Distribution Amount	\$ 19,9			\$ (11,001)	-55.03%	
128		Day Ahead Supplemental Reserve Amount						
129					(6.588)	\$ (6.588)		
			\$ -				0.00%	
120		Real Time Supplemental Reserve Amount	\$ -		\$ 2,005	\$ 2,005	0.00%	
130		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount	\$ - \$ 4,0	75 9	2,005 1,383	\$ 2,005 \$ (2,692)	0.00% 0.00% -66.06%	
131		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	\$ - \$ 4,0 \$ 8	75 S	2,005 1,383	\$ 2,005 \$ (2,692) \$ (802)	0.00% 0.00% -66.06% -100.00%	
131 132		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ - \$ 4,0 \$ 8 \$ 1,9	75 S 02 S 18 S	2,005 1,383 5 - 1,638	\$ 2,005 \$ (2,692) \$ (802) \$ (279)	0.00% 0.00% -66.06% -100.00% -14.56%	
131 132 133		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1	75 \$ 02 \$ 18 \$ 26 \$	\$ 2,005 \$ 1,383 \$ - \$ 1,638 \$ 619	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97%	
131 132 133 134		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1	75 S 02 S 18 S	\$ 2,005 \$ 1,383 \$ - \$ 1,638 \$ 619	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97%	
131 132 133 134 135		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ - \$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3	75 3 02 3 18 3 26 3 27 3	\$ 2,005 \$ 1,383 \$ - \$ 1,638 \$ 619 \$ (37,889)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ - \$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3	75 3 02 3 18 3 26 3 27 3	\$ 2,005 \$ 1,383 \$ - \$ 1,638 \$ 619 \$ (37,889)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ - \$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3	75 3 02 3 18 3 26 3 27 3	\$ 2,005 \$ 1,383 \$ - \$ 1,638 \$ 619 \$ (37,889)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges	\$ - \$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3	75 3 02 3 18 3 26 3 27 3	\$ 2,005 \$ 1,383 \$ - \$ 1,638 \$ 619 \$ (37,889)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	\$ - \$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Sed Power Edgeley PPA	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141 142 143	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141 142 143	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141 142 143 144	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141 142 143	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141 142 143 144	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	Not Applicable to EAR - Excluded from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 145	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen	\$ 4,0 \$ 8 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2	75 9 02 \$ 18 9 26 \$ 27 \$	\$ 2,005 \$ 1,383 6 - \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (506) \$ (41,216)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90%	
131 132 133 134 135 136 137 137 138 139 140 141 142 143 144 145 146 147 148	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases	\$ 4.0 \$ 4.0 \$ 8 \$ 1.9 \$ 1.1 \$ 3.3 \$ 249,2	775 \$ 002 \$ 118 \$ 26 \$ 27 \$ 1 \$ 26 \$ 3 \$ 27 \$ \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3	\$ 2,005 \$ 1,383 \$. \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,682) \$ (802) \$ (279) \$ (506) \$ (41,216) \$ (297,654)	0.00% 0.00% -66.06% -100.00% -44.97% -1238.90%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
131 132 133 134 135 136 137 138 139 140 141 142 143 144 144 145 146 147 148	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases	\$ 4.0 \$ 4.0 \$ 8 \$ 1.9 \$ 1.1 \$ 3.3 \$ 249,2	775 \$ 002 \$ 118 \$ 26 \$ 27 \$ 1 \$ 26 \$ 3 \$ 27 \$ \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3	\$ 2,005 \$ 1,383 \$. \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,682) \$ (802) \$ (279) \$ (506) \$ (41,216) \$ (297,654)	0.00% 0.00% -66.06% -100.00% -44.97% -1238.90%	Not Applicable to EAR - Excluded from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purcha	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	\$ 4.0 \$ 4.0 \$ 8 \$ 1.9 \$ 1.1 \$ 3.3 \$ 249,2	775 \$ 002 \$ 118 \$ 26 \$ 27 \$ 1 \$ 26 \$ 3 \$ 27 \$ \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3	\$ 2,005 \$ 1,383 \$. \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,682) \$ (802) \$ (279) \$ (506) \$ (41,216) \$ (297,654)	0.00% 0.00% -66.06% -100.00% -44.97% -1238.90%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases Market Purchases Total Purchases	\$ 4.0 \$ 4.0 \$ 8 \$ 1.9 \$ 1.1 \$ 3.3 \$ 249,2	775 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 2,005 \$ 1,383 \$ 6 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (279) \$ (41,216) \$ (297,654) PROTEC1 \$ (2,666,850)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90% -119.42%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151		Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	\$ 4.0 \$ 4.0 \$ 8 \$ 1.9 \$ 1.1 \$ 3.3 \$ 249,2	775 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 2,005 \$ 1,383 \$ 5 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413)	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (279) \$ (41,216) \$ (297,654) PROTEC1 \$ (2,666,850)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90% -119.42%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 151 152	Wind C	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtaliment	\$ 4.0 \$ 4.0 \$ 8 \$ 1.9 \$ 1.1 \$ 3.3 \$ 249,2	775	\$ 2,005 \$ 1,383 \$ 5 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413) BEGINS	\$ 2,005 \$ (2,695) \$ (26,907) \$ (802) \$ (2797) \$ (506) \$ (41,216) \$ (297,654) PROTEC! \$ (2,666,850) \$ (18,884)	0.00% 0.00% -66.06% -100.00% -14.56% -44.97% -1238.90% -119.42% ED DATA ENDS] -38.54% -105.05%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 144 149 150 150 151 151 152 153	Wind C	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billeteral purchases Market Purchases Market Purchases urtailment assed Sales	\$ 4,0 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2 [PROTECTED D.]	775 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 2,005 \$ 1,383 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413) BEGINS	\$ 2,005 \$ (2,682) \$ (802) \$ (279) \$ (506) \$ (41,216) \$ (297,654) PROTECT \$ (2,666,850) \$ (18,884) \$ 315,528	0.00% 0.00% -66.06% -100.00% -44.97% -1238.90% -119.42% DATA ENDS] -38.54% -105.05% -0.00%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind C	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment ussed Sales Field Costs	\$ 4.0 \$ 8 1,9 \$ 1,1 \$ 3,3 \$ 249,2 PROTECTED D. \$ 6,918,8 \$ 17,9 \$ -	775 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 2,005 \$ 1,383 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413) BEGINS \$ 4,251,950 \$ (907) \$ 315,528 \$ 277,430	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (502) \$ (41,216) \$ (297,654) \$ (2,666,850) \$ (1,8,84) \$ (18,884) \$ 277,430	0.00% 0.00% -0.00% -0.00% -14.56% -14.4.97% -1238.90% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -14.56% -15.56% -15.56% -16.56% -16.56% -16.56% -16.56% -16.56% -16.56% -16.56% -16.56% -16.56%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
131 132 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 151 152 153	Wind C	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment ussed Sales Field Costs	\$ 4,0 \$ 1,9 \$ 1,1 \$ 3,3 \$ 249,2 [PROTECTED D.]	775 5 5 775 5 775 775 5 775 775 775 775	\$ 2,005 \$ 1,383 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413) BEGINS \$ 4,251,950 \$ (907) \$ 315,528 \$ 277,430	\$ 2,005 \$ (2,682) \$ (802) \$ (279) \$ (506) \$ (41,216) \$ (297,654) PROTECT \$ (2,666,850) \$ (18,884) \$ 315,528	0.00% 0.00% -66.06% -100.00% -44.97% -1238.90% -119.42% DATA ENDS] -38.54% -105.05% -0.00%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind C	Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment ussed Sales Field Costs	\$ 4.0 \$ 8 1,9 \$ 1,1 \$ 3,3 \$ 249,2 PROTECTED D. \$ 6,918,8 \$ 17,9 \$ -	775 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 2,005 \$ 1,383 \$ 1,638 \$ 619 \$ (37,889) \$ (48,413) BEGINS \$ 4,251,950 \$ (907) \$ 315,528 \$ 277,430	\$ 2,005 \$ (2,692) \$ (802) \$ (279) \$ (502) \$ (41,216) \$ (297,654) \$ (2,666,850) \$ (1,8,84) \$ (18,884) \$ 277,430	0.00% 0.00% -0.00% -0.00% -0.00% -0.00% -0.00% -0.00% -0.00% -0.00% -0.00% -0.00%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				April 2020 F	orecast to Actual - N	lWh	
			April 2020	April 2020	Forecast to Actual	Forecast to Actual	
			Forecast	Actual	Variance MWh	Variance %	Notes
Line 1		eneration Big Stone	[PROTECTED DATA	A BEGINS			
2		Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
<u>4</u> 5		Hoot Lake #3			PROTE	CTED DATA ENDS]	
6		Total Coal	129,600		35,474	27.37%	
7			[PROTECTED DAT	A BEGINS			
9		Langdon Wind Ashtabula Wind					
10		Luverne Wind					
11		Merricourt			PROTE	OTED DATA ENDO	Merricourt does not come into service until 2020
12 13		Total Wind	43,300	33,198	(10,102)	CTED DATA ENDS] -23.33%	
14							
15 16		Total Hydro	1,600 [PROTECTED DAT	2,091	491	30.69%	
17		Jamestown 1	PROTECTED DAT	A BEGINS			
18		Jamestown 2					
19 20		Lake Preston					
21		Fergus Control Center			PROTE	CTED DATA ENDS]	
22		Total Oil - Peaking Units	500	0	(500)	-100.00%	
23 24		Natural gas - Solway	[PROTECTED DAT	A BEGINS	-		
25		Natural gas - Solway Natural gas - Astoria			<u> </u>		Astoria Station does not come into service until 2020
26						CTED DATA ENDS]	
27 28		Total Natural Gas	2,800 [PROTECTED DAT	3,030 A REGINS	230	8.21%	
29		Solar - Blue Jay	. NOTESTED DAT	DEGING			
30		Solar - Blue Heron					
31 32		Total Solar	-	_	PROTE	CTED DATA ENDS] 0.00%	
33		Total Gold				0.0076	
34		Total OTP-Owned	177,800	203,392	25,592	14.39%	
35 36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	N/A	N/A		N/A	
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
41	555.19	RT Asset Energy Amount***	N/A	N/A		N/A	
42	555.24	RT Distribution of Losses Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
44		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A		N/A N/A	
45		RT Loss Amount	N/A	N/A	N/A	N/A	
46 47		RT Non-Asset Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
48	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A	N/A		N/A	
49	555.32	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	N/A N/A	N/A N/A	
52		FTR Mkt Admin Amount	N/A	N/A		N/A	
53	555.03	DA FBT Congestion Amount	N/A	N/A		N/A	
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		N/A N/A	
56		RT Congestion	N/A	N/A	N/A	N/A	
57	555.14	FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
58 59	555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
60	555.35	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		N/A N/A	
62		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
64	555.38	FTR Annual Transaction Amount	N/A	N/A	N/A	N/A	
65		FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	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		N/A N/A	
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	N/A	N/A	
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	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		N/A N/A	
72	555.42	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	N/A	N/A	
74 75		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A		N/A N/A	
76	555.31	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		N/A	
78 79		DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		N/A N/A	
80	555.65	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	
82 83		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		N/A N/A	
		Dr. Gongodion Nobale on GOOM	IN/A	IN/A	IN/A	IN/A	I .

84		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	N/A	N/A	
86	555.23	RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88							
89		Total MISO Wholesale Market Charges					
90		Total MISO Wildlesale Market Charges					
91		SPP Wholesale Market Charges					
92	555.19	DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94	555.00	RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.05	DT No. Acces Energy Amount					
95		RT Non-Asset Energy Amount	N/A	N/A	N/A	N/A	
96		DA Make-Whole-Payment Distribution Amount	N/A	N/A	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555 15	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	N/A	N/A	
101	555.05	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	N/A	N/A	
103	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	N/A	N/A	
105	555.11	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	N/A	N/A	
107	555.1Z	RT Regulation Non-Performance Distribution Amount	N/A	N/A	N/A N/A	N/A	
108		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	N/A	N/A	
110	555.17	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	N/A	N/A	
112		RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
	555.22	DA GLA Carve Out Distribution Deployment Working Amount					
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120							
121		MISO ASM					
122		Day Ahead Regulation Amount	N/A	N/A	N/A	N/A	
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
		Near Time Supplemental Reserve Amount	N/A N/A				
130		Supplemental Reserve Cost Distribution Amount		N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM	1471	1471	1471	1071	
135		. Otal Miloo Adm					
		T-A-1 Mh-lI- PA 1 4 C					
136		Total Wholesale Market Charges					
137							
138						·	
139	Purchas	sed Power					
140			[PROTECTED DAT	A BEGINS			
141		Edgeley PPA	. ACTED DATE				
		Language DDA					
142		Langdon PPA					
143		Ashtabula III PPA					
144		Tribal (WAPA)				·	Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					
146		Shared Loads					
147		Small Co-gen					
148		Bilateral purchases					
							MICO I OPD F O-I-
149		Market Purchases					MISO and SPP Energy Only
150						CTED DATA ENDS]	
151		Total Purchases	236,400	191,192	(45,208)	-19.12%	Tribal (WAPA) excluded from Total
152							
153	Wind Co	urtailment		(30)	(30)	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154				(00)	(50)	J.00 /0	The second state of the contaminant with a second or could
155	Accot D	ased Sales	-	16,822	16,822	0.00%	Credit to MN FCA Calculation - Subtracted from Total
100	Asset B	aseu Jaies	•	10,822	10,822	0.00%	
1							Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs			-		Based Sales
1							Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
457		A A D A M					
157		Asset Based Margins			-		Based Sales
158							
159	Total Sy	stem - Plant Level	414,200	377,732	(36,468)	-8.80%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			April 2020 For	ecast to Actual -	\$ per MWh	
			April 2020	April 2020		
			Forecast [PROTECTED DATA	Actual		Notes
Line	Plant G	eneration	[PROTECTED DATA	A BEGINS		
2		Big Stone				
3		Coyote Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				Actuals include 1 loot cake #2 and #3 combined
5				PROTECTED DA	TA ENDS	
6		Total Coal	\$ 22.99	\$ 23.46		
7			[PROTECTED DATA	A BEGINS		
8		Langdon Wind				
9		Ashtabula Wind				
10 11		Luverne Wind Merricourt				Merricourt does not come into service until 2020
12		Werncourt		PROTECTED DA	TA FNDS1	Werncourt does not come into service until 2020
13		Total Wind		\$ -	LINDO	
14						
15		Total Hydro	\$	\$ -		
16			[PROTECTED DATA	A BEGINS		
17		Jamestown 1				
18 19	-	Jamestown 2 Lake Preston				
20	-	Fergus Control Center			 	
21				PROTECTED DA	TA ENDS1	
22		Total Oil - Peaking Units	\$ 54.60	\$ 714,717.50		
23		-	[PROTECTED DATA	A BEGINS		
24		Natural gas - Solway				
25		Natural gas - Astoria		PROTECTES -	TA F1:55	Astoria Station does not come into service until 2020
26	-	Total Natural Gas		PROTECTED DA \$ 19.31		
28		i otai naturai Gas	\$ 22.75 [PROTECTED DATA	A REGINS		
29		Solar - Blue Jay	L STESTED DATA			
30		Solar - Blue Heron				
31				PROTECTED DA	TA ENDS]	
32		Total Solar	\$ -	\$ -		
33						
34		Total OTP-Owned	\$ 100.34	\$ 714,760.27		
35 36	Wholes	alo Market Charges				
37	VVIIOLES	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	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42		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		
44 45		RT Loss Amount	N/A N/A	N/A N/A		
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A	-	
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
52		DA FBT Congestion Amount	N/A N/A	N/A N/A		
54	555.03	DA Congestion DA Congestion	N/A N/A	N/A N/A		
55	555.2	RT FBT Congestion Amount	N/A	N/A		
56		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58		FTR Monthly Allocation Amount	N/A	N/A	-	
59	555.17	FTR Yearly Allocation Amount	N/A	N/A	<u> </u>	
60		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
62		FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64	555.38	FTR Annual Transaction Amount	N/A	N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67 68	555.07	DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
69	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70	555.29	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	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25	RT Misc Amount	N/A	N/A	-	
75 76		RT Net Inadvertent Amount	N/A	N/A		
76 77	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78		DA Ramp Product	N/A N/A	N/A N/A	 	
79	555.64	RT Ramp Product	N/A	N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
83 84		DA Congestion Rebate on COGA	N/A	N/A		
		DA Losses Rebate on COGA	N/A	N/A	1	II

85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		RT Regulation-Down Distribution Amount	N/A	N/A		
107		RT Regulation Non-Performance Distribution Amount	N/A	N/A		
108	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113		Miscellaneous Amount	N/A	N/A		
114	555.26	ARR Closeout Yearly Amount	N/A	N/A		
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119	000.27	Total SPP Wholesale Market Charges	1471	1071		
120		Total of 1 Wilolesale market offarges				
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
123			N/A	N/A		
125		Regulation Cost Distribution Amount	N/A	N/A N/A		
125		Day Ahead Spinning Reserve Amount	N/A N/A	N/A N/A		
120		Real Time Spinning Reserve Amount	N/A N/A	N/A N/A		
		Spinning Reserve Cost Distribution Amount				
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A N/A	N/A N/A		
130 131		Supplemental Reserve Cost Distribution Amount	N/A N/A	N/A N/A		
		Contingency Reserve Deployment Failure Charge Amount				
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134 135		Total MISO ASM				
136		Total Wholesale Market Charges				
		l otal wholesale market charges				
137						
138 139	Durch-	sed Power				
140	rurcha		[PROTECTED DATA	DECINE	-	
140			[FRUIECIED DATA	DEGINS		
		Edgeley PPA Langdon PPA				
142						
143		Ashtabula III PPA				Not Applicable to EAD. Evoluted from Tate'
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				AUGO LORD S. O. I
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DA	IA ENDS]	
151		Total Purchases	\$ 29.27	\$ 22.24	ļ	Tribal (WAPA) excluded from Total
152					ļ	
153	Wind C	urtailment	N/A	\$ 29.81	ļ	
154					ļ	
155	Asset E	ased Sales	N/A	\$ 18.76	ļ	
4.5.5		F 10 1			1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A		Based Sales
					1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
158						
159	Total S	ystem - Plant Level	\$ 24.76	\$ 20.71		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

ſ			May 2	2020 Forecast to	Actual - Expense (Revenue)	
Ī			May 2020		Forecast to Actual Variance	Forecast to Actual Variance	
			Forecast	May 2020 Actual	\$	%	Notes
Line		eneration Dia Stane	[PROTECTED DATA	BEGINS			
2		Big Stone Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3			PROTECT	ED DATA ENDS]	
6		Total Coal	\$ 3,624,282	\$ 1,785,235	\$ (1,839,047)	-50.74%	
7 8		Langdon Wind	[PROTECTED DATA	A BEGINS			
9		Ashtabula Wind					
10 11		Luverne Wind Merricourt					Merricourt does not come into service until 2020
12					PROTECT	ED DATA ENDS]	Wellicourt does not come into service until 2020
13 14		Total Wind	\$ -	\$ -	\$ -	0.00%	
15		Total Hydro	\$ -	\$ -	\$ -	0.00%	
16 17			[PROTECTED DATA	BEGINS			
18		Jamestown 1 Jamestown 2					
19		Lake Preston					
20 21		Fergus Control Center			PROTECT	ED DATA ENDS	
22		Total Oil - Peaking Units	\$ 27,300	\$ 5,745		-78.96%	
23 24		Natural gas - Solway	[PROTECTED DATA	BEGINS			
25		Natural gas - Solway Natural gas - Astoria					Astoria Station does not come into service until 2020
26 27		Total Natural Gas	\$ 66,300	\$ 35,523	PROTECT \$ (30,777)	ED DATA ENDS] -46.42%	
28			[PROTECTED DATA		φ (30,777)	-40.42%	
29		Solar - Blue Jay					
30 31		Solar - Blue Heron			PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$ -	\$ -	0.00%	
33 34		Total OTP-Owned	\$ 3,717,882	\$ 1.826.504	\$ (1,891,379)	-50.87%	
35			V 0,111,002	Ų 1,020,004	(1,001,010)	00.01 /0	
36 37		ale Market Charges MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$ - \$ -	\$ - \$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42 43	555.24	RT Distribution of Losses Amount	\$ (147,994) \$ -		\$ 78,013	-52.71% 0.00%	
43	555.21	RT FBT Loss Amount DA Loss Amount	\$ - \$ 389,395		\$ (233,977)	-60.09%	
45		RT Loss Amount	\$ 22,775	\$ (760)	\$ (23,536)	-103.34%	
46 47	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$ - \$ -	\$ - \$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount		\$ -	\$ -	0.00%	
49 50	555.32 555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 52,001	\$ - \$ 45.758	\$ -	0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$ 7,281	\$ 5,645	\$ (1,636)	-22.47%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.13	FTR Mkt Admin Amount DA FBT Congestion Amount	\$ 1,501 \$ -	\$ 2,837	\$ 1,336 \$ -	89.03% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion	\$ 109,745	\$ 58,173	\$ (51,572)	-46.99%	
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 10,479 \$ (144,834)		\$ (13,927) \$ 17,435	-132.91% -12.04%	
58	555.15	FTR Monthly Allocation Amount	\$ (9,873)	\$ (20,194)	\$ (10,321)	104.54%	
59 60		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$ (2,714) \$ (6,805)		\$ 2,714 \$ 6,805	-100.00% -100.00%	
61	555.36	FTR Full Funding Guarantee Amount	\$ (5,014)	\$ (16,716)	\$ (11,702)	233.40%	
62 63	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 4,475 \$ (204,722)		\$ 11,005 \$ (29,378)	245.91% 14.35%	
64	555.38	FTR Annual Transaction Amount	\$ 204,725	\$ 234,045	\$ 29,321	14.32%	
65 66	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 5,226 \$ (24,390)		\$ (2,457) \$ (50)	-47.02% 0.20%	
67	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	+ (=:,===)	\$ (24,439)	\$ (50)	0.20%	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 10,821		\$ (4,481)	-41.41%	
69 70	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (3,251) \$ 30,713			-98.93% -95.94%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (26,781)	\$ -	\$ 26,781	-100.00%	
72 73		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (21,088) \$ 60,288		\$ 13,441 \$ (47,498)	-63.74% -78.79%	
		RT Misc Amount	\$ 18,489	\$ 12,896	\$ (5,593)	-30.25%	
74		RT Net Inadvertent Amount	\$ 2,543	\$ (6,876)		-370.42% 0.00%	
74 75	555.27	DT Uninetwated Deviation Amount	\$ -	\$ -	a -		
74	555.27 555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount		\$ 1	\$ 1	0.00%	
74 75 76 77 78	555.27 555.31 555.59 555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ - \$ (3,732)	\$ (238)	\$ 3,493	-93.61%	
74 75 76 77 78 79	555.27 555.31 555.59 555.63 555.64	RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product	\$ - \$ (3,732) \$ (50)	\$ (238) \$ (14)	\$ 3,493 \$ 36	-93.61% -72.17%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
74 75 76 77 78	555.27 555.31 555.59 555.63 555.64 555.65 555.55	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ - \$ (3,732)	\$ (238)	\$ 3,493	-93.61% -72.17% 0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020 Energy Amounts - included/embedded within Market Purchases

	555.00	B						0.000/	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ -	\$		\$		0.00%	
86		RT Loss Rebate on COGA	\$ -		- :	\$	-	0.00%	
87	333.23	Net Congestion and Losses Adjustment & No DA Generation Schedule				\$	2,035	0.00%	
88		Net Congestion and Eosses Adjustment & No DA Generation Schedule	φ -	φ	2,033	٩	2,033	0.0070	
89		Total MISO Wholesale Market Charges	\$ 268,4	27 \$	(1,215)	\$	(269,642)	-100 45%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		Total miloo Wilolesale market ollarges	200,4	-, 4	(1,210)	-	(203,042)	-100.4070	Total Excludes outedate to and 17 (Ellies 40, 41, 42 Above)
91		SPP Wholesale Market Charges		_					
92		DA Asset Energy Amount***	\$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$ -		-	\$	-	0.00%	Energy / undulite unduded on bodded tham market i drondede
94	555.09	RT Asset Energy Amount***	\$ -		-	\$			Energy Amounts - included/embedded within Market Purchases
95		RT Non-Asset Energy Amount	\$ -			\$	-	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount		15 \$	-	\$	(15)	-100.00%	
97				43 \$	17	\$	(125)	-87.98%	
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$		\$	- '	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	85 \$	1	\$	(84)	-98.35%	
100	555.04	DA Regulation-Down Distribution Amount	\$	10 \$	3	\$	(7)	-68.69%	
101	555.05			13 \$	4		(9)	-70.09%	
102	555.06		\$	18 \$	6	\$	(12)	-68.41%	
103		DA Supplemental Reserve Distribution Amount	\$	2 \$	0		(2)	-97.96%	
104				(1) \$	-	\$	1	-100.00%	
105				09) \$	(3,962)		4,947	-55.53%	
106		RT Regulation-Down Distribution Amount		(1) \$	-	\$	1	-100.00%	
107				(0) \$			0	-96.64%	
108	555.14	RT Regulation-Up Distribution Amount		(1) \$			1	-94.90%	
109		RT Spinning Reserve Distribution Amount		(0) \$	-	\$	0	-100.00%	
110		RT Supplemental Reserve Distribution Amount		(0) \$	(05 500)	\$	(74.000)	-100.00%	
111		RT Pseudo Tie Congestion Amount		25) \$	(95,533)		(74,909)	363.20%	
112		RT Pseudo Tie Loss Amount		00) \$	(17,339)		(3,839)	28.44%	
113 114		Miscellaneous Amount ARR Closeout Yearly Amount		10) \$		\$	10	-100.00% 0.00%	
114		RT Demand Reduction Distribution Amount		\$		\$	-	0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount		(0) \$	- 3		- 3	-766.41%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$		\$	-	0.00%	
118		DA GFA Carve Out Distribution Deployment Yearly Amount		(0) \$		\$	- 0	-100.00%	
119	333.21	Total SPP Wholesale Market Charges		61) \$	(116,800)		(74,039)	173.14%	
120		Total of 1 Wholesale market onlarges	¥ (=±,7	σι, ψ	(110,000)	¥	(14,000)	170.1470	
121		MISO ASM							
122		Day Ahead Regulation Amount	\$ (32,1	03) \$	(27,532)	\$	4,571	-14.24%	
123				98) \$			12,238	-226.74%	
124		Regulation Cost Distribution Amount		04 \$			(2.842)	-17.33%	
125		Day Ahead Spinning Reserve Amount		26) \$	(4,522)	\$	29,404	-86.67%	
126		Real Time Spinning Reserve Amount	\$ 5,7	89 \$	(215)		(6,004)	-103.71%	
127		Spinning Reserve Cost Distribution Amount	\$ 21,8		10,115		(11,753)	-53.74%	
128		Day Ahead Supplemental Reserve Amount	\$ -		(6,131)		(6,131)	0.00%	
129			\$ -				1,701	0.00%	
130				85 \$	1,174	\$	(6,910)	-85.47%	
131				02 \$	-	\$	(802)	-100.00%	
132				18 \$			(913)	-47.62%	
133		Net Regulation Adjustment Amount	\$ 1,1	26 \$			(476)	-42.25%	
134		Total MISO ASM	\$ (15,4	37) \$	(3,352)	\$	12,084	-78.28%	
135				_ -	//	L_	(001 00-		
136		Total Wholesale Market Charges	\$ 210,2	29 \$	(121,368)	\$	(331,596)	-157.73%	
137				_					
138	Durch	and Davies		+		-			
139 140	Purchas	sed Power	PROTECTED D	ATA D	ECINE	-			
140		Edgeley PPA	[FRUIECIED D	HIAB	EGINS	1			
141		Langdon PPA		+		-			
143		Ashtabula III PPA		_		 			
143		Ashtabula III PPA Tribal (WAPA)		_		 			Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance		+					INOUT POPULATION OF THE PRODUCT OF THE POPULATION OF THE POPULATIO
146		Shared Loads		+		†			
147		Small Co-gen		+		†			
148		Bilateral purchases		+		†			
149		Market Purchases		\dashv					MISO and SPP Energy Only
150		·				t	PROTECT	ED DATA ENDS	. 0,)
151		Total Purchases	\$ 5,185,0	00 S	4,258,505	\$	(926,495)		Tribal (WAPA) excluded from Total
152			,,-	Ť	, ,	Ė	, , ,		` ,
153	Wind Cu	urtailment	\$ 74,0	15 \$	8,495	\$	(65,520)	-88.52%	
154									
155	Asset B	ased Sales	\$ -	\$	101,884		101,884		Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -			\$	130,265	0.00%	
157		Asset Based Margins	\$ -	\$	(28,381)	\$	(28,381)	0.00%	
158						↓		·	
159	Total Sy	stem - Plant Level	\$ 9,187,1	26 \$	5,870,252	\$	(3,316,874)	-36.10%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

-				May 2020 F	orecast to Actual - M	Wh	
			May 2020		Forecast to Actual	Forecast to Actual	
			Forecast	May 2020 Actual	Variance MWh	Variance %	Notes
Line 1		eneration Big Stone	[PROTECTED DATA	A BEGINS			
2		Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4 5		Hoot Lake #3			PROTE	CTED DATA ENDS]	
6		Total Coal	157,500	60,763	(96,737)	-61.42%	
7			[PROTECTED DAT	A BEGINS			
8		Langdon Wind Ashtabula Wind					
10		Luverne Wind					
11 12		Merricourt			PROTE	CTED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	46,300	36,717	(9,583)		
14							
15 16		Total Hydro	1,600 [PROTECTED DAT	1,991	391	24.46%	
17		Jamestown 1	[PROTECTED DAT	A BEGINS			
18		Jamestown 2					
19 20		Lake Preston Fergus Control Center					
21					PROTE	CTED DATA ENDS]	
22		Total Oil - Peaking Units	400	6	(394)	-98.51%	
23 24		Natural gas - Solway	[PROTECTED DAT	A BEGINS			
25		Natural gas - Astoria					Astoria Station does not come into service until 2020
26		Takel Newson Com	2 400	2 000		CTED DATA ENDS]	
27 28		Total Natural Gas	3,100 [PROTECTED DAT	2,082 A BEGINS	(1,018)	-32.85%	
29		Solar - Blue Jay					
30 31		Solar - Blue Heron			PROTE	CTED DATA ENDS]	
32		Total Solar		-	PROTE	0.00%	
33							
34 35		Total OTP-Owned	208,900	101,559	(107,341)	-51.38%	
36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38 39	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
40		DA Non-asset Energy Amount***	N/A	N/A	N/A	N/A	
41	555.19	RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
42 43	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
44		DA Loss Amount	N/A	N/A	N/A	N/A	
45 46		RT Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
46		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
48	555.12	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	N/A N/A	N/A N/A	
51	555.18	RT Mkt Admin Amount	N/A	N/A	N/A	N/A	
52		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	N/A N/A	N/A N/A	
55	555.2	RT FBT Congestion Amount	N/A	N/A	N/A	N/A	
56		RT Congestion	N/A	N/A	N/A	N/A	
57 58	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
59	555.17	FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 555.35	FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
61 62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A	N/A	N/A	
64 65	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
66		FTR Auction Revenue Rights Infeasible Oplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A	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		DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
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	N/A N/A	N/A N/A	
71	555.3	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	N/A	N/A	
73 74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
75	555.27	RT Net Inadvertent Amount	N/A	N/A	N/A	N/A	
76 77		RT Uninstructed Deviation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
78	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
79	555.64	RT Ramp Product	N/A	N/A	N/A	N/A	
	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A	N/A	N/A	
80		DT ASM Non Evenerius Energy Amerimitätä					
80 81 82	555.55	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	

84	555.06	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	N/A	N/A	
86	555 23	RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87	000.20	Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
		ivet Congestion and Losses Adjustinent & No DA Generation Sched	INA	IN/A	IN/A	IWA	
88		# (I N O O W					
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		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95	555	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	N/A	N/A	
97	555.1	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	N/A	N/A	
99		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	N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A	N/A	N/A	
102		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	
104		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	
105		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	N/A	N/A	
108	555.14	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	N/A	N/A	
110	555.17	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	N/A	N/A	
112	555.24	RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
	333.21		INA	IN/A	INA	IWA	
119		Total SPP Wholesale Market Charges					
120							
121		MISO ASM					
122		Day Ahead Regulation Amount	N/A	N/A	N/A	N/A	
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135							
136		Total Wholesale Market Charges					
137							
138							
139	Purchae	sed Power					
140			[PROTECTED DATA	A REGINS	1		
141	-	Edgelov PRA	L OILOILD DAI		t	l	
		Edgeley PPA					
142		Langdon PPA					
143		Ashtabula III PPA					
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					· ·
146		Shared Loads			1		
147		Small Co-gen					
					-		
148		Bilateral purchases					Luco Long F
149		Market Purchases					MISO and SPP Energy Only
150						CTED DATA ENDS]	
151		Total Purchases	177,100	217,421	40,321	22.77%	Tribal (WAPA) excluded from Total
152							
153	Wind C	urtailment	-	285	285	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155	Asset R	ased Sales	-	8,529	8,529	0.00%	Credit to MN FCA Calculation - Subtracted from Total
				0,010	0,020	3.30 /0	
450		First Oracle			1		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
	1	Fuel Costs			-		Based Sales
156					1		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156							
		Asset Rased Margins			_		
157		Asset Based Margins			-		Based Sales
157 158		-			-		Based Sales
157	Total Sy	Asset Based Margins rstem - Plant Level	386,000	310,735	(75,265)	-19.50%	

				ecast to Actual - \$	per MWh	
			May 2020			
			Forecast [PROTECTED DATA	May 2020 Actual		Notes
Line 1	Plant G	eneration	[PROTECTED DATA	A BEGINS		
2		Big Stone Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				
5				PROTECTED DA	TA ENDS]	
6		Total Coal		\$ 29.38		
7			[PROTECTED DATA	A BEGINS		
9		Langdon Wind				
10		Ashtabula Wind Luverne Wind				
11		Merricourt				Merricourt does not come into service until 2020
12				PROTECTED DA	TA ENDS]	
13		Total Wind	\$ -	\$ -		
14			_			
15 16		Total Hydro	\$ -	\$ -		
17		Jamestown 1	[PROTECTED DATA	A BEGINS		
18		Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21				PROTECTED DA	TA ENDS]	
22		Total Oil - Peaking Units	\$ 68.25	\$ 966.72		
23	-		[PROTECTED DATA	A BEGINS		
24 25	-	Natural gas - Solway Natural gas - Astoria		 	-	Astoria Station does not come into service until 2020
26		reduiai gas - Astoria		PROTECTED DA	TA ENDS	Protonia Gration does not come into service until 2020
27		Total Natural Gas	\$ 21.39	\$ 17.07		
28			[PROTECTED DATA	A BEGINS		
29		Solar - Blue Jay				
30		Solar - Blue Heron				
31 32		Total Solar		PROTECTED DA	TA ENDS]	
33		Total Solar	\$ -	\$ -		
34		Total OTP-Owned	\$ 112.65	\$ 1,013.17		
35		Total OTF-Owned	φ 112.03	\$ 1,013.17		
36	Wholes	ale Market Charges				
37		MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41 42	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
42		RT FBT Loss Amount	N/A N/A	N/A N/A		
44	333.21	DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A	N/A		
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
52 53			N/A N/A	N/A N/A	-	
54	333.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A	-	
55	555.2	RT FBT Congestion Amount	N/A	N/A	-	
56		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60		FTR Monthly Transaction Amount	N/A	N/A		
61		FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A	-	
63	555 30	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	N/A N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71 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		RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A	-	
74	555.25	RT Misc Amount	N/A N/A	N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A N/A		
82 83	555.56	RT ASM Excessive Energy Amount***	N/A		-	
83 84		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
	555.00	D. COODE NODELO UN OCOM	19/74	IN/A		1

					,	,
85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		RT Regulation-Down Distribution Amount	N/A	N/A		
107		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	l	
110	555.10	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113		Miscellaneous Amount	N/A N/A	N/A N/A		
113	555.23	ARR Closeout Yearly Amount	N/A N/A	N/A N/A	-	
	555.20	RT Demand Reduction Distribution Amount	N/A	N/A		
115			N/A N/A	N/A N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount				
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137						
138						
139	Purchas	sed Power				
140			[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				process of the control of the contro
146		Shared Loads				
147		Small Co-gen			l	
148		Bilateral purchases			l	
149		Market Purchases				MISO and SPP Energy Only
150		marrier i arendeed		PROTECTED DA	TA FNDS1	and or . Energy only
151		Total Purchases		\$ 19.59	LINDOJ	Tribal (WAPA) excluded from Total
152		Total Fulcilases	¥ £5.20	ų 13.03		Theat (TTT Ty encladed Helli Total
153	Wind C	urtailment	N/A	\$ 29.81		
154	······································	an summons	N/A	¥ 25.01		
155	Accet D	ased Sales	N/A	\$ 11.95		
100	ASSEL D	usou ouics	N/A	y 11.95		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Conte	N/A	N/A		Based Sales
156		Fuel Costs	n/A	IN/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Accet Recod Margine	N/A	N/A		Based Sales
		Asset Based Margins	N/A	N/A		Daseu Sales
158 159	T-4-1 0	ortens Blant Lauri				Talled (MARIA) and ball from Tatal, Assat Based Color white day's
	i otal S	stem - Plant Level	\$ 23.80	\$ 18.89	I	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			June 2	2020 Forecast to	Actual -	Expense (Revenue)	
					Fore	cast to	Forecast to	
			June 2020	June 2020	Actual	Variance \$	Actual Variance	Notes
Line	Plant G	eneration	Forecast [PROTECTED DATA	Actual BEGINS		,	%	Notes
1		Big Stone						
2		Coyote						
3	-	Hoot Lake #2						Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3				PROTECT	ED DATA ENDS]	
6		Total Coal	\$ 3,600,034	\$ 2,911,951	\$	(688,083)	-19.11%	
7			[PROTECTED DATA	BEGINS				
9		Langdon Wind						
10		Ashtabula Wind Luverne Wind						
11	-	Merricourt						Merricourt does not come into service until 2020
12						PROTECT	ED DATA ENDS]	
13	ļ!	Total Wind	\$ -	\$ -	\$	-	0.00%	
14 15		Total Hydro	• -	• -	\$	_	0.00%	
16	-	Total Hydro	PROTECTED DATA	BEGINS			0.0070	
17		Jamestown 1						
18		Jamestown 2						
19 20	-	Lake Preston Fergus Control Center			-			
21	 	r cryus control cetter				PROTECT	ED DATA ENDS]	
22		Total Oil - Peaking Units	\$ 27,300	\$ 19,811	\$	(7,489)	-27.43%	
23			[PROTECTED DATA	BEGINS	L			
24 25	 	Natural gas - Solway Natural gas - Astoria						Astoria Station does not come into service until 2020
26	 	Ivaturar gas = Astoria			!	PROTECT	ED DATA ENDS	Postona Gradion does not come into service until 2020
27		Total Natural Gas	\$ 56,700	\$ 92,207		35,507	62.62%	
28			[PROTECTED DATA	BEGINS				
29	ļ'	Solar - Blue Jay						
30		Solar - Blue Heron				PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$ -	\$	-	0.00%	
33								
34	ļ!	Total OTP-Owned	\$ 3,684,034	\$ 3,023,969	\$	(660,065)	-17.92%	
35 36	Wholes	ale Market Charges						
37	WIIDIES	MISO Wholesale Market Charges						
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount		\$ -	\$	-	0.00%	
40 41	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***		\$ - \$ -	\$		0.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42		RT Distribution of Losses Amount	\$ (145,823)			66,253	-45.43%	Energy Amounts - included/embedded within warket Purchases
43	555.21	RT FBT Loss Amount	\$ -	\$ -	\$	-	0.00%	
44		DA Loss Amount		\$ 157,032	\$	(226,649)	-59.07%	
45 46	EEE OG	RT Loss Amount	\$ 22,441		\$	(17,197)	-76.63%	Francy Amounts included (ambedded within Market Durchages
47	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA		\$ - \$ -	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
48		DA Virtual Energy Amount		\$ -	\$		0.00%	
49	555.32	RT Virtual Energy Amount		\$ -	\$		0.00%	
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	\$ 47,833 \$ 6,572		\$	1,422	2.97%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.18	FTR Mkt Admin Amount	\$ 6,572			1,664	-8.91% 104.74%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$ -	\$ -	\$	-	0.00%	
54		DA Congestion	\$ 108,135		\$	(198,461)	-183.53%	
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$	-	0.00%	
56 57	555 11	RT Congestion FTR Hourly Allocation Amount	\$ 10,325 \$ (142,709)	\$ (98,012 \$ (653,569) \$) \$	(108,337) (510,860)	-1049.27% 357.97%	
58			\$ (142,709)			(15,622)	160.59%	
59	555.17	FTR Yearly Allocation Amount	\$ (2,674)	\$ -	\$	2,674	-100.00%	
60		FTR Monthly Transaction Amount	\$ (6,705)	\$	\$	6,705	-100.00%	
61	555.36	FTR Full Funding Guarantee Amount	\$ 201			(47,611)	-23721.85%	
62 63	555.37	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ (274) \$ (218,878)		\$	49,156 (149,835)	-17935.65% 68.46%	
64	555.38		\$ 202,489			166,031	81.99%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 6,597	\$ 1,094	\$	(5,503)	-83.41%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (33,338)	\$ (30,461		2,877	-8.63%	
67	555.07	DA Congestion Rebate on Option B GFA		\$ -	\$	- (0.000)	0.00%	
68 69	555.10	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 8,142 \$ (6,532)			(3,389)	-41.63% 316.01%	
70	555.29		\$ (0,532)	\$ 3,757	\$	(26,955)	-87.77%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (26,781)	\$ -	\$	26,781	-100.00%	
72	555.42	RT Price Volatility Make Whole Payment	\$ (21,088)	\$ (26.594	\$	(5,506)	26.11%	
73 74		RT Revenue Neutrality Uplift Amount	\$ 60,288		\$	17,979	29.82%	
74 75		RT Misc Amount RT Net Inadvertent Amount	\$ 18,489 \$ 2,543		\$	47,242 (44)	255.52% -1.73%	
76	555.31	RT Uninstructed Deviation Amount		\$ 2,499	\$	(44)	0.00%	
		RT Demand Response Allocation Uplift Amount		\$ (0) \$	(0)	0.00%	
77	555.63	DA Ramp Product	\$ (3,163)			2,431	-76.86%	
78	555.04	RT Ramp Product	\$ 565			(549)	-97.21%	DT 0 1 1 1 40 0 1 D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
78 79					S	7,889	0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
78 79 80	555.65	RT Schedule 49 Cost Distribution Amount		\$ 7,889	¢			TAT CONDUITO TO COOK DIGHT TO A HOW CHANGE TYPE AS OF ECC.
78 79	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ -	\$ -	\$		0.00%	The defined to door blothister to a new orange type do or 2020

	555.00	B	_		_		_	-	0.000/	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$	-	\$	-	\$	-	0.00%	
86		RT Loss Rebate on COGA	\$		\$	-	\$	-	0.00%	
87	333.23	Net Congestion and Losses Adjustment & No DA Generation Schedule			\$	40,461	\$	40,461	0.00%	
88		Net Congestion and Eosses Adjustment & No DA Generation Schedule	φ		φ	40,401	φ	40,401	0.0070	
89		Total MISO Wholesale Market Charges	\$ 2	36,915	\$	(663,769)	\$	(900,683)	-380 17%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		Total miloo Wilolesale market ollarges	· -	.00,010	Ψ	(000,700)	~	(300,000)	-500.17 /0	Total Excludes outleddie 10 and 17 (Eines 40, 41, 42 Above)
91		SPP Wholesale Market Charges								
92		DA Asset Energy Amount***	\$	-	\$		\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$		\$		\$	-	0.00%	Energy Filliounia Indiadag on Boadou Maint Market Faronacco
94	555.09	RT Asset Energy Amount***	\$		\$		\$	-		Energy Amounts - included/embedded within Market Purchases
95		RT Non-Asset Energy Amount	\$		\$	-	\$	-	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount	\$	15		-	\$	(15)	-100.00%	
97			\$	143		96	\$	(47)	-33.01%	
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$		\$	-	\$	- 1	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	85	\$	9	\$	(76)	-89.55%	
100	555.04	DA Regulation-Down Distribution Amount	\$	10	\$	14	\$	4	43.28%	
101	555.05		\$	13			\$	13	101.14%	
102	555.06		\$	18	\$			12	65.94%	
103		DA Supplemental Reserve Distribution Amount	\$	2		10		8	418.62%	
104			\$	(1)		(1)		0	-8.80%	
105				(8,778)		(4,448)		4,330	-49.33%	
106		RT Regulation-Down Distribution Amount	\$	(1)		(2)		(1)	213.63%	
107			\$	(0)		(1)		(1)	168.53%	
108	555.14	RT Regulation-Up Distribution Amount	\$	(1)	\$	(2)	\$	(1)	81.56%	
109		RT Spinning Reserve Distribution Amount	\$	(0)				0	-79.70%	
110		RT Supplemental Reserve Distribution Amount	\$	(0)		(0)		(0)	700.00%	
111		RT Pseudo Tie Congestion Amount		20,322)		(80,622)		(60,300)	296.72%	
112		RT Pseudo Tie Loss Amount		13,302)		(17,837)		(4,535)	34.09%	
113		Miscellaneous Amount	\$	(10)		(33)	\$	(23)	222.05%	
114 115		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ (97,826)		(73,035)	\$	24,791	-25.34% 0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount	\$	- (0)		- 16	\$	17	-3909.71%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$	0	\$	0	0.00%	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	\$	(131)		U	\$	131	-100.00%	
119	333.27	Total SPP Wholesale Market Charges		40,087)		(175,779)		(35,692)	25.48%	
120		Total SFF Wildlesale Market Charges	Ψ (1	40,007)	φ	(173,773)	φ	(33,632)	23.40 /6	
121		MISO ASM								
122		Day Ahead Regulation Amount	\$ (28,997)	S	(23,873)	\$	5,124	-17.67%	
123			\$	(1,980)	\$	2,130	\$	4,111	-207.60%	
124		Regulation Cost Distribution Amount		13.452		12.245	\$	(1,208)	-8.98%	
125		Day Ahead Spinning Reserve Amount		41,214)	\$	(9,825)	\$	31,389	-76.16%	
126		Real Time Spinning Reserve Amount	\$	10,659	\$	1,225	\$	(9,434)	-88.51%	
127				16,371		9,284		(7,087)	-43.29%	
128			\$	(2,230)		(8,720)		(6,490)	290.99%	
129			\$	63			\$	2,969	4697.74%	
130			\$	4,845		1,179	\$	(3,667)	-75.67%	
131			\$	802		-	\$	(802)	-100.00%	
132			\$	1,918		406	\$	(1,512)	-78.84%	
133		Net Regulation Adjustment Amount	\$	1,126		468	\$	(658)	-58.43%	
134		Total MISO ASM	\$ (25,185)	\$	(12,448)	\$	12,737	-50.57%	
135					_	(0.01.00	_	(000 00		
136		Total Wholesale Market Charges	\$	71,643	\$	(851,996)	\$	(923,638)	-1289.23%	
137										
138	Durek	and Davies								
139 140	rurcnas	sed Power	PROTECTE	D DATA	DEC	INC				
141		Edgeley PPA	[FRUIECIE	U DATA	י סבט	S FIIT				
142		Langdon PPA								
143		Ashtabula III PPA								
144		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance								THOS PAPARIOGNOS TO LITA * EXCITATION TOTAL
146		Shared Loads								
147		Small Co-gen								
148		Bilateral purchases								
149		Market Purchases								MISO and SPP Energy Only
150								PROTECT	ED DATA ENDS]	
151		Total Purchases	\$ 5,2	74,600	\$	4,629,708	\$	(644,892)		Tribal (WAPA) excluded from Total
152								, , ,		
153	Wind Cu	urtailment	\$ (16,195)	\$	31,393	\$	47,589	-293.84%	
154								-		
155	Asset B	ased Sales		50,730	\$	257,753	\$	207,023		Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs			\$	256,601	\$	212,295	479.16%	
157		Asset Based Margins	\$	6,424	\$	1,152	\$	(5,272)	-82.07%	
158					_			(0.00		TH. (4)488
159	Total Sy	stem - Plant Level	\$ 8,9	63,352	\$	6,575,321	\$	(2,388,030)	-26.64%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

Total United State Process August Process	г							
Fortice Fort	-	T			June 2020 F	orecast to Actual - M	lWh	
Total Col. PROTECTED DATA BEGINS. PROTECTED DATA BEGINS.				June 2020	June 2020	Forecast to Actual	Forecast to Actual	
1 Big Store				Forecast	Actual	Variance MWh	Variance %	Notes
Content				[PROTECTED DATA	A BEGINS			
4	2		Coyote					
Section Control Code Cod	3							Actuals include Hoot Lake #2 and #3 combined
Column			Hoot Lake #3			PPOTE	CTED DATA ENDS!	
PROTECTED DATA BEGINS			Total Coal	151.900	101.671	(50,229)	-33.07%	
10	7			[PROTECTED DAT	A BEGINS	(+5,==5)	00.07,0	
10			Langdon Wind					
Total Wind								
Total Wind Auto A			Merricourt					Merricourt does not come into service until 2020
1.00			T-A-IMFd	04.000	24.005			
15			i otal wind	34,000	34,995	995	2.93%	
17			Total Hydro			373	23.33%	
19				[PROTECTED DAT	A BEGINS			
19								
Total Oil - Peaking Units S00 469 1495/5								
Total Oil - Peaking Units PROTECTED DATA BEGINS	20							
PROTECTED DATA BEGINS PROTECTED DATA BEGINS PROTECTED DATA BROSS			Total Oil Booking Units	Enn	40	PROTE	CTED DATA ENDS]	
Autorial gas - Solveys			i otal Oli - reaking Units	[PROTECTED DAT	A BEGINS	(460)	-91.95%	
Total Natural Gas	24		Natural gas - Solway					
Total Natural Gas Color - Blue - Isy	25		Natural gas - Astoria			DDCTE	CTED DATA ENDO	Astoria Station does not come into service until 2020
PROTECTED DATA BEGINS			Total Natural Gas	2.700	5.794			
30	28				A BEGINS	5,554		
33				-				
Total Soler 0.00%	30		Solar - Blue Heron			PROTE	CTED DATA ENDSI	
33	32		Total Solar		-	1.012		
36								
			Total OTP-Owned	190,700	144,474	(46,226)	-24.24%	
38 555.0 QA Asset Energy Amount*** NIA	36	Wholesa	ale Market Charges					
39 555.04 DA FET Loss Amount			MISO Wholesale Market Charges					
40 555.09 DA Non-asset Energy Amount*** NA NA NA NA NA NA NA	38	555.02	DA Asset Energy Amount***					
41 555.19 RT Asset Energy Amount** N/A								
43 555.21 RT FBT Loss Amount		555.19	RT Asset Energy Amount***					
44								
45 SF Toss Amount								
47 555.08 DA Losses Rebate on Option B GFA NIA NIA			RT Loss Amount	N/A				
48		555.26	RT Non-Asset Energy Amount***					
49		555.08	DA Virtual Energy Amount					
51 555.18 FTR Mith Admin Amount	49			N/A		N/A		
S52	50	555.01	DA Mkt Admin Amount	N/A	N/A	N/A	N/A	
55.0 55.0 A FBT Congestion Amount	51 52							
55 55.2 RT FBT Congestion Amount	53	555.03	DA FBT Congestion Amount	N/A	N/A	N/A	N/A	
FT Congestion			DA Congestion	N/A				
FTR Hourly Allocation Amount		555.2	RT Congestion Amount	N/A N/A	N/A	N/A		
Section Sect	57	555.14	FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
60 555.36 FTR Monthly Transaction Amount NIA		555.15	FTR Monthly Allocation Amount		N/A	N/A		
61 555.36 FTR Full Funding Guarantee Amount NIA NI								
62 555.37 FTR Quarantee Uplift Amount N/A N/A N/A N/A N/A N/A 63 555.39 FTR Auction Revenue Rights Transaction Amount N/A N/A N/A N/A N/A N/A 64 555.39 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A N/A N/A N/A N/A 65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A N/A N/A N/A N/A 66 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A 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 N/A N/A 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A N/A 72 555.42 RT Price Volatility Make Whole Pymt Amount N/A N/A N/A N/A 73 555.28 RT Revenue Nutrality Uplift Amount N/A N/A N/A N/A 74 555.25 RT Revenue Nutrality Uplift Amount N/A N/A N/A N/A 75 555.27 RT Neis Amount N/A N/A N/A N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A N/A 77 555.59 RT Demandresponse Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.63 RT Remandresponse Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.64 RT Remandresponse Allocation Uplift Amount N/A N/A N/A N/A N/A 79 555.64 RT Remandresponse Allocation Uplift Amount N/A N/A N/A N/A N/A 79 555.64 RT Remandresponse Allocation Uplift Amount N/A	61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A	N/A	N/A	
64 555.38 FTR Annual Transaction Amount N/A		555.37	FTR Guarantee Uplift Amount					
65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
66 555.41 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 N/A 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 72 555.4 RT Price Volatility Make Whole Pymt Amount N/A N/A N/A N/A 73 555.2 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 74 555.2 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 75 555.2 RT Revenue Sufficien		555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A				
68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A 69 555.1 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 N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 72 555.4 RT Price Volatility Make Whole Pymt Amount N/A N/A N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A 74 555.29 RT Nes Amount N/A N/A N/A N/A 75 555.27 RT Nes Inadvertent Amount N/A N/A N/A N/A 76 555.27 RT Sex Amount N/A N/A N/A N/A 77 555.27 RT Nes Inadverted Deviation Amount N/A N/A N/A N/A	66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	N/A	N/A	
69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A		555.07	DA Congestion Rebate on Option B GFA					
70								
72 555.42 RT Price Volatility Make Whole Payment N/A N/A N/A N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A N/A N/A 74 555.26 RT Misc Amount N/A N/A N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A N/A	70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A	N/A	N/A	
73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A N/A 74 555.28 RT Risk Amount N/A N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A N/A 76 355.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A N/A 77 555.99 RT Demand Response Allocation Uplift Amount N/A N/A N/A N/A 78 555.63 DR Amp Product N/A N/A N/A N/A N/A 79 555.64 RT Ravenue Neutrality Uplift Amount N/A N/A N/A N/A	71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A		N/A		
74 555.25 RT Misc Amount N/A N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A N/A N/A								
76 555.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A N/A	74	555.25	RT Misc Amount	N/A	N/A	N/A	N/A	
77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A N/A								
78 555.63 DA Ramp Product N/A N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A N/A								
79 555.64 RT Ramp Product N/A N/A N/A N/A N/A		555.63	DA Ramp Product	N/A				
80 555.65 IRT Schedule 49 Cost Distribution Amount N/A N/A N/A N/A N/A	79	555.64	RT Ramp Product	N/A	N/A	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 N/A 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A N/A N/A		555.56	RT ASM Excessive Energy Amount***					
83 555.05 DA Congestion Rebate on COGA N/A N/A N/A N/A N/A								

84	555.06	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	N/A	N/A	
86	555 23	RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87	000.20	Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
		inet Congestion and Losses Adjustment & No DA Generation Sched	IN/A	IN/A	IN/A	IN/A	
88		T (
89		Total MISO Wholesale Market Charges					
90				I.			
91		SPP Wholesale Market Charges					
92	555.19	DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
93	EEE 03	DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
			N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***					
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99		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	N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A	N/A	N/A	
102		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	
104		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	
			N/A N/A			N/A N/A	
106		RT Regulation-Down Distribution Amount		N/A	N/A		
107	555.13	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	N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A	N/A	N/A	
110		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	N/A	N/A	
112	555.Z	DT Decide Tie Less Ameunt	N/A	N/A		N/A	
		RT Pseudo Tie Loss Amount			N/A		
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120				I.			
121		MISO ASM					
122		Day Ahead Regulation Amount	N/A	N/A	N/A	N/A	
123	1	Real Time Regulation Amount	N/A	N/A	N/A	N/A	
		Real Time Regulation Amount					
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM	1471	14,71			
135	!	TOTAL WISO ASW					
136		W - 1140 - 1 - 1 - 1 - 1					
127		Total Wholesale Market Charges					
137		Total Wholesale Market Charges					
138							
138	Purcha						
138 139	Purcha	Total Wholesale Market Charges	IPROTECTED DATA	BEGINS			
138 139 140	Purcha	sed Power	[PROTECTED DATA	BEGINS			
138 139 140 141	Purcha	sed Power Edgeley PPA	[PROTECTED DATA	BEGINS			
138 139 140 141 142	Purcha	sed Power Edgeley PPA Langdon PPA	[PROTECTED DATA	BEGINS			
138 139 140 141 142 143	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DATA	L BEGINS			
138 139 140 141 142 143 144	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	[PROTECTED DATA	BEGINS			Not Applicable to EAR - Excluded from Total
138 139 140 141 142 143	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	[PROTECTED DATA	BEGINS			Not Applicable to EAR - Excluded from Total
138 139 140 141 142 143 144 145	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DATA	\ BEGINS			Not Applicable to EAR - Excluded from Total
138 139 140 141 142 143 144 145 146	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DATA	A BEGINS			Not Applicable to EAR - Excluded from Total
138 139 140 141 142 143 144 145 146 147	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DATA	L BEGINS			Not Applicable to EAR - Excluded from Total
138 139 140 141 142 143 144 145 146 147	Purcha:	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DATA	BEGINS			
138 139 140 141 142 143 144 145 146 147 148	Purcha	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DATA	A BEGINS			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
138 139 140 141 142 143 144 145 146 147 147 148 149	Purcha	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases				CTED DATA ENDS]	MISO and SPP Energy Only
138 139 140 141 142 143 144 145 146 147 148 149 150 151	Purchas	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DATA	A BEGINS 255,654	PROTE 63,754		MISO and SPP Energy Only
138 139 140 141 142 143 144 145 146 147 148 149 150 151	Purcha:	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases				CTED DATA ENDS]	MISO and SPP Energy Only
138 139 140 141 142 143 144 145 146 147 148 149 150 151		Edgeley PPA Langdon PPA Ashtabuta III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases		255,654	63,754	CTED DATA ENDS) 33.22%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases	191,900			CTED DATA ENDS) 33.22%	MISO and SPP Energy Only
138 139 140 141 142 143 144 145 146 147 148 150 151 152 153	Wind C	Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Wind C	Edgeley PPA Langdon PPA Ashtabuta III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	191,900	255,654	63,754	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtaliment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind C	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
138 139 140 141 142 143 144 145 146 147 148 150 151 152 153	Wind C	Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtaliment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind C	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
138 139 140 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154	Wind C	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	Wind C	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment assed Sales	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS 33.22% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
138 139 140 141 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	Wind C	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs Asset Based Margins	191,900	255,654 1,053 16,308	63,754 1,053 14,408	CTED DATA ENDS] 33.22% 0.00% 758.33%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	Wind C	sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	191,900	255,654 1,053	63,754 1,053	CTED DATA ENDS] 33.22% 0.00% 758.33%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

ſ			June 2020 For	ecast to Actual -	\$ per MWh	
ļ			June 2020	June 2020		
			Forecast	Actual		Notes
Line	Plant G	eneration	[PROTECTED DATA			
1		Big Stone	<u> </u>			
2		Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				
5				PROTECTED DA	TA ENDS1	
6		Total Coal				
7		Total Cour	[PROTECTED DATA	BEGINS		
8		Langdon Wind	[NOTED DATE			
9		Ashtabula Wind				
10		Luverne Wind				
11		Merricourt				Merricourt does not come into service until 2020
12		Menicourt		PROTECTED DA	TA ENDS1	Wellicourt does not come into service until 2020
13		Total Wind		S -	I A ENDS	
14		Total Willu	• -	• -		
15		Total Hydro	\$ -	s -		
16		Total riyuro	PROTECTED DATA			
17		Jamestown 1	[PROTECTED DATA	A DEGINS		
18		Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
20	-	r argus control center		PROTECTED DA	TA ENDO	
21		Total Oil - Peaking Units	\$ 54.60	e 40272		
23	-	Total Oil - Peaking Units	PROTECTED DATA	\$ 492.72		
23	-	Notivel and Column	[FKUIECIED DATA	L DEGINO	-	
	-	Natural gas - Solway			-	Actorio Station deservat como inte con ico until 2020
25 26	-	Natural gas - Astoria		DDOTECTED DA	TA ENDO	Astoria Station does not come into service until 2020
		T-4-10 () 0		PROTECTED DA	I A ENDS]	
27		Total Natural Gas	\$ 21.00	\$ 15.91		
28		Outro Blooder	[PROTECTED DATA	A BEGINS		
29		Solar - Blue Jay				
30		Solar - Blue Heron		DDOTECTES :		
31		T. (10.1		PROTECTED DA	I A ENDS	
32		Total Solar	\$ -	\$ -		
33						
34		Total OTP-Owned	\$ 99.30	\$ 537.27		
35						
36	Wholes	ale Market Charges				
37		MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43	555.21	RT FBT Loss Amount	N/A	N/A		
44		DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A	N/A		
46		RT Non-Asset Energy Amount***	N/A	N/A		
47		DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51		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	L	
56		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A	L	
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A	L	
60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A	L	
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64		FTR Annual Transaction Amount	N/A	N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67		+		NUA		
67 68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
	555.1	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
68	555.1 555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount				
68 69	555.1 555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
68 69 70	555.1 555.11 555.29 555.3 555.42	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A N/A	N/A N/A N/A		
68 69 70 71 72	555.1 555.11 555.29 555.3 555.42 555.28	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A N/A	N/A N/A N/A		
68 69 70 71	555.1 555.11 555.29 555.3 555.42 555.28	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A N/A	N/A N/A N/A		
68 69 70 71 72 73	555.1 555.11 555.29 555.3 555.42 555.28 555.28	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Misc 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		
68 69 70 71 72 73 74 75	555.1 555.11 555.29 555.3 555.42 555.28 555.25 555.27	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplit Amount RT Mevenue Neutrality Uplit Amount RT Misc Amount RT MIsc 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		
68 69 70 71 72 73 74	555.1 555.29 555.3 555.42 555.28 555.25 555.27 555.31	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Perce Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation 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		
68 69 70 71 72 73 74 75 76	555.1 555.29 555.3 555.42 555.28 555.25 555.27 555.31 555.59	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Miss Amount RT Wet Inadvertent Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation 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		
68 69 70 71 72 73 74 75 76 77 78	555.1 555.11 555.29 555.3 555.42 555.28 555.25 555.27 555.31 555.59 555.63	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Perice Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Miss Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product	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		
68 69 70 71 72 73 74 75 76 77 78	555.1 555.29 555.3 555.42 555.28 555.25 555.27 555.31 555.59 555.63 555.64	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Voltaility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Met inace Amount RT Wet Inace Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount DA Ramp Product RT Ramp Product	N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
68 69 70 71 72 73 74 75 76 77 78	555.1 555.29 555.3 555.42 555.28 555.25 555.27 555.31 555.63 555.64 555.64	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Upilit Amount RT Miss Amount RT Met Inadvertent Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
68 69 70 71 72 73 74 75 76 77 78 79 80 81	555.1 555.11 555.29 555.3 555.42 555.25 555.27 555.31 555.69 555.64 555.65 555.65	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Neutrality Make Whole Payment RT Revenue Neutrality Uplift Amount RT RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount DA Ramp Product RT Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT AsbM Non-Excessive Energy Amount***	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A		
68 69 70 71 72 73 74 75 76 77 78 79	555.1 555.11 555.29 555.3 555.42 555.25 555.25 555.31 555.63 555.64 555.65 555.55	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Upilit Amount RT Miss Amount RT Met Inadvertent Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A		

85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		RT Regulation-Down Distribution Amount	N/A	N/A		
107		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	l	
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113		Miscellaneous Amount	N/A	N/A N/A		
114	555.20	ARR Closeout Yearly Amount	N/A	N/A		
115	555.20	RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A N/A		
	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
118	555.27		N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137						
138						
139	Purchas	sed Power				
140			[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150		******		PROTECTED DA	TA ENDS1	
151		Total Purchases	\$ 27.49	\$ 18.11		Tribal (WAPA) excluded from Total
152		rotar i dichases	1.40	, .5.11	l	The state of the s
153	Wind C	urtailment	N/A	\$ 29.81	l	
154			IN/A	. 25.01		
155	Asset F	ased Sales	\$ 26.70	\$ 15.81		
100	ASSEL D	asea Jaies	Ψ 20.70	¥ 13.01		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A		Based Sales
100		rudi Gosis	N/A	N/A	-	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
		voser nasen marállis	N/A	N/A	-	Dased Gales
158 159	T-4-1 0	ortens Blant Lavel				Talled (MADA) and add from Table Asset Deced Color and Asset 10
	LOTAL S	ystem - Plant Level	\$ 23.54	\$ 17.08	1	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

						-	
			July 2	2020 Forecast to	Actual - Expense Forecast to	(Revenue) Forecast to	
			July 2020		Actual Variance	Actual Variance	
			Forecast	July 2020 Actua	\$	%	Notes
Line	Plant G	eneration Big Stone	[PROTECTED DATA	A BEGINS			
2		Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3			PROTES	TED DATA ENDS	
6		Total Coal	\$ 4 159 787	\$ 4,505,047			
7			[PROTECTED DATA	A BEGINS	\$ 545,200	0.0070	
8		Langdon Wind					
10		Ashtabula Wind Luverne Wind					
11		Merricourt					Merricourt does not come into service until 2020
12						TED DATA ENDS]	
13 14		Total Wind	\$ -	\$ -	\$ -	0.00%	
15		Total Hydro	\$ -	s -	s -	0.00%	
16			[PROTECTED DATA	A BEGINS			
17		Jamestown 1					
18 19		Jamestown 2 Lake Preston					
20		Fergus Control Center					
21						TED DATA ENDS]	
22 23	-	Total Oil - Peaking Units	\$ 27,300 [PROTECTED DATA	\$ 54,795 A REGINS	\$ 27,495	100.71%	
24	1	Natural gas - Solway	I KOTECTED DATA	LUING			
25		Natural gas - Astoria					Astoria Station does not come into service until 2020
26 27	1	Total Natural Gas	\$ 80,200	\$ 169,678		TED DATA ENDS] 111.57%	
28		i otai naturai Gas	\$ 80,200 [PROTECTED DATA		φ 89,478	111.57%	
29		Solar - Blue Jay					
30		Solar - Blue Heron				TED DAT:	
31 32		Total Solar	• .	٠ .	PROTEC	TED DATA ENDS] 0.00%	
33		Total dollar	*	*	Ť	0.007,0	
34		Total OTP-Owned	\$ 4,267,287	\$ 4,729,520	\$ 462,233	10.83%	
35 36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount	\$ - \$ -	\$ - \$ -	\$ -	0.00%	Energy Amounts included (ambedded within Market Durchage
41	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$ -	\$ - \$ -	\$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (159,003)		\$ 60,755	-38.21%	97
43	555.21	RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
45		DA Loss Amount RT Loss Amount	\$ 418,361 \$ 24,470				
46	555.26	RT Non-Asset Energy Amount***		\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
48 49	555.12 555.32	DA Virtual Energy Amount	\$ -	\$ -			
50			\$ -		\$ -	0.00%	
51	555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$ 48,308	\$ -	\$ - \$ 1,978	0.00% 4.09%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.18	DA Mkt Admin Amount RT Mkt Admin Amount	\$ 48,308 \$ 6,977	\$ - \$ 50,286 \$ 5,998	\$ - \$ 1,978 \$ (980	0.00% 4.09%) -14.04%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.18 555.13	DA Mkt Admin Amount RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 48,308 \$ 6,977 \$ 1,834	\$ - \$ 50,286 \$ 5,998 \$ 3,285	\$ - \$ 1,978 \$ (980 \$ 1,451	0.00% 4.09%) -14.04% 79.16%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54	555.18 555.13	DA Mkt Admin Amount RT Mkt Admin Amount FTR Mkt Admin Amount DA FBT Congestion Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ -	\$ - \$ 50,286 \$ 5,998 \$ 3,285 \$ -	\$ - \$ 1,978 \$ (980 \$ 1,451 \$ -	0.00% 4.09%) -14.04% 79.16% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55	555.18 555.13 555.03	DA Mik Admin Amount RT Mik Admin Amount FTR Mikt Admin Amount DA FBT Congestion Amount DA Congestion Amount RT FBT Congestion Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ -	\$ -0.286 \$ 50,286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$ -	\$ - \$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ -	0.00% 4.09%) -14.04% 79.16% 0.00% 234.88% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56	555.18 555.13 555.03 555.20	DA Mik Admin Amount RT Mik Admin Amount FTR Mik Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount RT FBT Congestion Amount RT FBT Congestion Amount RT Congestion	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ - \$ 11,258	\$ - \$ 50,286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705	\$ - \$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447	0.00% 4.09%) -14.04% 79.16% 0.00% 234.88% 0.00% 634.62%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55	555.18 555.13 555.03 555.20 555.14	DA Mik Admin Amount RT Mikt Admin Amount FTR Mikt Admin Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion Amount FTR Congestion Amount RT Congestion	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ -	\$ -0.286 \$ 5.998 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727	\$ - \$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447) \$ (878,119	0.00% 4.09%) -14.04% 79.16% 0.00% 234.88% 0.00% 634.62%) 564.32%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59	555.18 555.13 555.03 555.20 555.14 555.15 555.17	DA Mit Admin Amount RT Mit Admin Amount FTR Mit Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ - \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916)	\$ 50,286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727 \$ (42,433	\$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447 \$ (878,119 \$ (31,825 \$ 2,916	0.00% 4.09% 79.16% 0.00% 234.88% 0.00% 634.62%) 564.32% -100.03%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60	555.18 555.13 555.03 555.20 555.14 555.15 555.17 555.35	DA Mkt Admin Amount RT Mkt Admin Amount DA FBT Congestion Amount DA Congestion DA Congestion RT FBT Congestion Amount TF Congestion FT Congestion FTR Houtry Allocation Amount FTR Worthy Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Transaction Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ - \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (7,311)	\$ 50,286 \$ 50,286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727 \$ (42,433 \$ -	\$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447 \$ (878,119 \$ (31,825 \$ 2,916 \$ 7,311	0.00% 4.03% 1.104% 79.16% 0.00% 234.88% 0.00% 634.62%) 564.32%) 300.03% -100.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61	555.18 555.13 555.03 555.20 555.14 555.15 555.17 555.35 555.36	DA Mix Admin Amount RT Mix Admin Amount FTR Mix Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT FBT Congestion Amount FTR Hourly Allocation Amount FTR Hourly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Monthly Transaction Amount FTR Monthly Transaction Amount FTR FI FII Full Funding Guarantee Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ - \$ (15,508) \$ (10,607) \$ (2,916) \$ (7,311) \$ (2,697)	\$ - 5,0286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727 \$ (42,433 \$ - \$ - \$ \$ (9,967	\$ - \$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447) \$ (878,119 \$ (31,825 \$ 2,916 \$ 7,311 \$ (7,270	0.00% 4.09% 4.09% 79.16% 0.00% 234.88% 0.00% 634.62% 1) 564.32% 100.03% -100.00% -100.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63	555.18 555.13 555.03 555.20 555.14 555.15 555.17 555.35 555.36	DA Mix Admin Amount RT Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion FIR Hourly Allocation Amount FIR Monthly Allocation Amount FIR Warthy Allocation Amount FIR Warthy Allocation Amount FIR Warthy Allocation Amount FIR FIR III Funding Guarantee Amount FIR FIR FILL FUNDING GUARANTEE FIR Guarantee Uplift Amount FIR Guarantee Uplift Amount FIR Guarantee Pupil Amount FIR Guarantee Pupil FIR Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ - \$ 11,258 \$ (155,608) \$ (2,916) \$ (2,916) \$ (2,917) \$ 2,697 \$ 2,697 \$ (2,878)	\$ 50,286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$: \$ (42,433 \$ - \$ (9,967 \$ 7,205 \$ (38,705)	\$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447 \$ (878,119) \$ (31,825 \$ 2,916 \$ 7,311 \$ (7,270 \$ 4,508 \$ 1,448,35	0.00% 4.09% -14.04% 79.16% 0.00% 234.88% 0.00% 634.62%) 564.32% -100.00% -100.00% 209.55% 167.15%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64	555.18 555.13 555.03 555.20 555.14 555.15 555.37 555.36 555.37 555.39 555.38	DA Mix Admin Amount RT Mixt Admin Amount FTR Mixt Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Guarantee Prima Congestion Amount FTR Auction Revenue Rights Transaction Amount FTR Anual Transaction Amount	\$ 48,308 \$ 6,977 \$ 1,634 \$ - \$ 117,909 \$ 11,258 \$ (155,508) \$ (10,607) \$ (2,916) \$ (7,311) \$ (2,697) \$ (2,697) \$ 2,697 \$ 2,2697 \$ 2,2697	\$.50,286 \$ 5,998 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727 \$ (42,433 \$ - \$ 7,205 \$ 7,205 \$ 368,733 \$ 368,520	\$ 1,978 \$ (980 \$ 1,451 \$ - \$ 276,939 \$ - \$ 71,447 \$ (878,119 \$ 2,916 \$ 7,311 \$ (7,311 \$ (4,508) \$ (149,835) \$ (149	0.00% 4 0.99% 79.16% 0.009% 634.62% 1) 564.32% 1) 564.32% 1-100.00	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65	555.18 555.13 555.03 555.20 555.14 555.15 555.17 555.35 555.36 555.37 555.39	DA Mix Admin Amount RT Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount RT FBT Congestion Amount FT Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Yearty Allocation Amount FTR Yearty Allocation Amount FTR Full Funding Guarantee Amount FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Anual Transaction Amount FTR Anual Transaction Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,917) \$ 2,697 \$ 2,697 \$ (218,878) \$ (202,489) \$ (202,489) \$ (6,907)	\$ 50,286 \$ 50,286 \$ 3,285 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727 \$ (42,433 \$ - \$ 7,205 \$ 7,205 \$ (368,713 \$ 368,523 \$ 368,523 \$ 1,032	\$ 1,978 \$ (980) \$ 1,451 \$ 276,939 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (31,825) \$ 2,916 \$ 7,311 \$ (7,270) \$ 4,508 \$ (149,835) \$ 166,031 \$ (5,60)	0.00% 4.09% 79.16% 0.00% 234.88% 0.00% 634.62% 100.00% 110.00% 129.55% 167.15% 18.46%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64	555.18 555.13 555.03 555.20 555.14 555.15 555.35 555.36 555.39 555.38 555.38	DA Mix Admin Amount RT Mix Admin Amount FTR Mix Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT EBT Congestion Amount RT Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Transaction Amount FTR Guir Audion Guarantee Amount FTR Guir Audion Revenue Rights Transaction Amount FTR Audion Revenue Rights Transaction Amount FTR Annual Transaction Amount FTR Annual Transaction Amount FTR Annual Transaction Amount FTR Audion Revenue Rights Infeasible Uplift Amount FTR Audion Revenue Rights Infeasible Uplift Amount FTR Audion Revenue Rights Infeasible Uplift Amount	\$ 48,308 \$ 6,977 \$ 1,634 \$ - \$ 117,909 \$ 11,258 \$ (155,508) \$ (10,607) \$ (2,916) \$ (7,311) \$ (2,697) \$ (2,697) \$ 2,697 \$ 2,2697 \$ 2,2697	\$ 50,286 \$ 50,286 \$ 3,265 \$ - \$ 394,849 \$ - \$ 82,705 \$ (1,033,727 \$ (42,433 \$ - \$ (9,967 \$ 7,205 \$ (368,713 \$ 368,520 \$ 1,093 \$ (30,224	\$	0.00% 4.09% 79.16% 0.00% 234.88% 0.00% 634.62% 100.00% 110.00% 129.55% 167.15% 18.46%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	555.18 555.13 555.03 555.20 555.14 555.15 555.36 555.36 555.39 555.38 555.39 555.39 555.39 555.39	DA Mix Admin Amount RT Mix Admin Amount FTR Mix Admin Amount DA FBT Congestion Amount DA FBT Congestion Amount DA Congestion RT FBT Congestion Amount RT EBT Congestion Amount FTR Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Warry Allocation Amount FTR Warry Allocation Amount FTR Gull Funding Guarantee Amount FTR Gull Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Stifficency Guarantee Distribution Amount	\$ 48.308 \$ 6.977 \$ 1,634 \$ 117,909 \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,697) \$ 2,697 \$ 22,489 \$ 6,597 \$ (33,601) \$ (33,601) \$ (33,601) \$ (33,601)	\$ 50,286 \$ 5,988 \$ 384,849 \$	\$ \$ 1.978 \$ (980 \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119 \$ (31,825 \$ 2,916 \$ 7,311 \$ (7,311 \$ (7,311 \$ (7,311) \$	0.00% 4.09% 1.00% 1.00% 1.14.04% 1.00% 1.00% 234.88% 0.00% 634.62% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.03%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	555.18 555.13 555.03 555.20 555.14 555.15 555.17 555.36 555.36 555.37 555.39 555.39 555.30 555.41 555.07 555.10	DA Mix Admin Amount RT Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Mount RT FBT Congestion Amount FTR Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Surraine Light Surraine FTR Guarantee Uplift Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount FTR Auction Revenue Rights Stage 2 Distribution Amount A Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (7,311) \$ (2,897) \$ 202,489 \$ (33,601) \$ 6,97 \$ 6,371 \$ -	\$ -0.286 \$ 50.286 \$ 3.285 \$ -1 \$ 394.849 \$ -1 \$ 82,705 \$ (1,033.727 \$ (42,433 \$ -2 \$ -3 \$ -3 \$ -3 \$ (308,713 \$ (30,224 \$ -3 \$ -3 \$ -3 \$ -3 \$ -3 \$ -3 \$ -3 \$ -3	\$	0.00% 4.09% 4.09% 1.40.40% 9.10% 9.10% 0.00% 234.88% 0.00% 634.62% 1.300.03% 1.00.00	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	555.18 555.13 555.03 555.20 555.14 555.15 555.15 555.36 555.37 555.39 555.40 555.40 555.40 555.41 555.11	DA Mix Admin Amount RT Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount RT EBT Congestion Amount FIR Congestion FIR Hourly Allocation Amount FIR Monthly Allocation Amount FIR Monthly Allocation Amount FIR Will Allocation Amount FIR Full Funding Guarantee Amount FIR Guarantee Uplift Amount FIR Guarantee Uplift Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA OA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee First Pass Distribution Amount DA Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 48.308 \$ 6.977 \$ 117,909 \$ 11258 \$ (155,608) \$ (2,916) \$ (2,916) \$ (2,917) \$ (2,987) \$ (2,897) \$ (2,897) \$ (2,897) \$ (2,897) \$ (33,601) \$ (33,601) \$ (4,901) \$ (4,90	\$ 50,286 \$ 5,988 \$ 3,285 \$ \$ 394,849 \$ \$ 10,33,727 \$ (42,433 \$ \$ 7,205 \$ 7,205 \$ 368,520 \$ 1,093 \$ 368,520 \$ 1,093 \$ 368,520 \$ 1,093 \$ 368,520 \$ 1,093 \$ 368,520 \$ 1,093 \$ 1,	\$ \$ 1.978 \$ (980) \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (31,825) \$ 2,916 \$ 7,311 \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,511) \$ (5,504) \$ 3,377 \$ \$ (5,504) \$ 2,802 \$ (9,037)	0.00% 4.09% 4.09% 1.14.04% 79.16% 0.00% 234.86% 0.00% 634.62% 1300.03% 1-100.00% 1-100.00% 634.62% 1-100.00% 1-100.0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70	555.18 555.13 555.03 555.20 555.14 555.15 555.36 555.36 555.37 555.39 555.39 555.40 555.40 555.11 555.07 555.11 555.12 555.13	DA Mix Admin Amount RT Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount Transaction FIR Hourly Allocation Amount FIR Monthly Allocation Amount FIR Monthly Allocation Amount FIR Yearly Allocation Amount FIR Yearly Allocation Amount FIR Full Funding Guarantee Amount FIR Guarantee Uplift Amount FIR Guarantee Uplift Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount FIR Auction Revenue Rights Disable Uplift Amount FIR Auction Revenue Rights Disable Uplift Amount FIR Auction Revenue Rights Disable Uplift Amount FIR Avenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ 11,258 \$ (155,608) \$ (2,916) \$ (2,916) \$ (2,917) \$ (2,697) \$ (2,697) \$ (218,678) \$ (33,601) \$ (4,901) \$ (4,901) \$ (2,6781) \$ (2,6781) \$ (2,697) \$	\$ \$ 50,286 \$ 3,3285 \$ \$ 394,849 \$ \$ 10,307,27 \$ (42,433 \$ \$ \$ 7,205 \$ (388,727 \$ (388,520 \$ 1,093 \$ (388,52	\$ \$ 1.978 \$ (980) \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ (31,825) \$ (31,825) \$ (31,825) \$ (45,	0.00% 4.09% 1.09% 1.14.04% 1.09% 1.14.04% 1.00% 2.00% 6.34.62% 1.00.00% 1.0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73	555.18 555.3 555.03 555.03 555.20 555.16 555.16 555.16 555.36 555.39 555.39 555.38 555.41 555.51 555.51 555.51 555.51 555.51	DA Mix Admin Amount RT Mix Admin Amount DA FBT Congestion Amount DA Congestion RT FDT Congestion Amount DA Congestion RT FDT Congestion Amount RT FDT Congestion Amount FTR Monthly Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Surfaries Amount FTR Autoin Revenue Rights Transaction Amount FTR Autoin Revenue Rights Irlansaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Huttality Uplift Amount	\$ 48.308 \$ 6.977 \$ 1,634 \$ 117,909 \$ 1.258 \$ (155,608) \$ (7.311) \$ (2,697) \$ 2,697 \$ 2,697 \$ 202,489 \$ 6,597 \$ (33,601) \$ (4,901) \$ (3,713) \$ (4,901) \$ (3,713) \$ (2,697) \$ (3,713) \$ (3,601) \$ (4,901) \$ (4,9	\$ 5,286 \$ 5,988 \$ 3,285 \$	\$ \$ 1.978 \$ (980) \$ 1.451 \$ 276,939 \$ \$ 276,939 \$ \$ 71,447 \$ (31,825) \$ (31,825) \$ (2,916) \$ (31,825) \$ (7,270) \$ (7,270) \$ (6,803) \$ (149,835) \$ (5,504) \$ (35,504) \$ (9,037)	0.00% 4.09% 4.09% 1.404% 79.16% 0.00% 234.88% 0.00% 634.62% 1.00.03% -1.00.03% -1.00.03% -1.00.05% 1.0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74	555.18 555.13 555.03 555.03 555.20 555.14 555.15 555.16 555.37 555.39 555.39 555.39 555.40 555.50 555.40 555.40 555.40 555.40 555.50 555.40 555.50 555.40 555.50 55	DA Mix Admin Amount RT Mix Admin Amount FIR. Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount RT FBT Congestion Amount FIR On Congestion Amount FIR On Congestion FIR Hourly Allocation Amount FIR Yearly Allocation Amount FIR Yearly Allocation Amount FIR Yearly Allocation Amount FIR Full Funding Guarantee Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (2,	\$ \$ 50,286 \$ 3,285 \$ 3,285 \$ \$ 394,849 \$ \$ 82,705 \$ (10,33,727 \$ (42,433) \$ \$ \$ \$ \$ \$ (9,967 \$ \$ \$ (38,520) \$ (300,224) \$	\$ \$ 1.978 \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (31,825) \$ 2,916 \$ 7,311 \$ (7,311) \$ (7,311) \$ (7,5	0.00% 4.09% 4.09% 1.40.40% 79.16% 0.00% 234.88% 0.00% 634.62% 1.300.03% -100.00% 1.0	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 970 71 72 73 74 75 76	555.18 555.13 555.03 555.03 555.14 555.15 555.15 555.36 555.37 555.39 555.39 555.30 555.40 555.11 555.11 555.15 555.15 555.29 555.42 555.42 555.42 555.42 555.42 555.42 555.42 555.42	DA Mix Admin Amount RT Mix Admin Amount DA FIT Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Mount RT FBT Congestion Amount FTR Monthly Allocation Amount FTR Hourly Allocation Amount FTR Hourly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Surgery Allocation Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 48.308 \$ 6.977 \$ 1,634 \$ 117,909 \$ 1.258 \$ (155,608) \$ (7.311) \$ (2,697) \$ 2,697 \$ 2,697 \$ 202,489 \$ 6,597 \$ (33,601) \$ (4,901) \$ (3,713) \$ (4,901) \$ (3,713) \$ (2,697) \$ (3,713) \$ (3,601) \$ (4,901) \$ (4,9	\$ \$ 50,286 \$ 5,988 \$ 3,285 \$ \$ 394,849 \$ \$ 82,705 \$ (10,33,727 \$ (42,433) \$ \$ \$ \$ \$ \$ (9,967 \$ 7,205 \$ (388,520) \$ (30,224 \$	\$ \$ 1.978 \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (31,825) \$ 2,916 \$ 7,311 \$ (7,311) \$ (7,311) \$ (7,5	0.00% 4.09% 4.09% 1.40.40% 1.40.40% 0.00% 234.88% 0.00% 634.62% 1.300.33% -1.00.00% 1.00.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 60 61 62 63 64 65 66 67 70 72 73 74 75 76	555.18 555.13 555.13 555.20 555.14 555.15 555.17 555.36 555.36 555.36 555.37 555.30 555.41 555.51 555.51 555.51 555.52 555.30 55	DA Mix Admin Amount RT Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount Transaction FIR Hourly Allocation Amount FIR Monthly Allocation Amount FIR Monthly Allocation Amount FIR Monthly Allocation Amount FIR Monthly Transaction Amount FIR Full Funding Guarantee Amount FIR Router Amount FIR Guarantee Uplift Amount FIR Guarantee Uplift Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Neutrality Uplift Amount RI RI Misc Amount RI Linistructed Deviation Amount	\$ 48.308 \$ 6.977 \$ 117,909 \$ 11258 \$ (155,608) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,917) \$ (2,897) \$ (2,897) \$ (2,897) \$ (2,897) \$ (2,697) \$ (2,697)	\$ 5,296 \$ 5,988 \$ 3,285 \$ \$ 394,849 \$ \$ 82,705 \$ (42,433 \$ \$ (42,433 \$ \$ 7,205 \$ (368,713 \$ 368,520 \$ 1,093 \$ (30,224 \$ \$ (2,099 \$ 2,167 \$ (2,099 \$ 1,168 \$ 1,1	\$ \$ 1.978 \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (878,119) \$ (31,825) \$ 2,916 \$ 7,311 \$ (7,311) \$ (7,311) \$ (7,271) \$ 4,508 \$ (5,504) \$ 2,802 \$ (49,835) \$ (65,504) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ (35,394) \$ (46,182) \$ (18,360) \$ (18,360) \$ (18,360) \$ (18,360) \$ (18,360) \$ (20,577) \$	0.00% 4.09% 4.09% 1.41.04% 79.16% 0.00% 234.88% 0.00% 634.62% 1.300,33% 1-100,00% 634.62% 1.300,33% 1-100,00% 634.62% 1.300,33% 1.400,00% 1.400,00% 1.500,00	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76	555.18 555.13 555.03 555.03 555.20 555.14 555.15 555.17 555.36 555.36 555.37 555.38 555.41 555.59 555.42 555.59 555.25 555.25 555.25 555.25 555.25	DA Mix Admin Amount RT Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount DA Congestion Amount RT FBT Congestion Amount FTR Congestion Amount FTR Congestion FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Serial Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Avenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Perice Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Misc Amount RT Menand Response Allocation Uplift Amount RT Demand Response Allocation Uplift Amount RT Demand Response Allocation Uplift Amount	\$ 48,308 \$ 6,977 \$ 117,909 \$ 117,909 \$ 111,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (7,311) \$ (2,697) \$ 2,2697 \$ 2,2697 \$ 3,3,601) \$ 3,3,601 \$ 3,3,601 \$ 3,0,713 \$ (4,901) \$ (21,6878) \$ 6,597 \$ 6,371 \$ (4,901) \$ (21,688) \$ (2,6878) \$ (2,688) \$ (2,688)	\$ 50,286 \$ 50,286 \$ 5,988 \$ 34,849 \$ - \$ 82,705 \$ (42,433) \$ (42,433) \$ - \$ 7,205 \$ (388,713) \$ 368,520 \$ 1,093 \$ 5,917 \$ (2,099 \$ 21,676 \$ 5,917 \$ (26,099 \$ 21,676 \$ 1,205 \$ 1,093 \$ 21,676 \$ 1,093 \$ 21,676 \$ 1,093 \$ 21,676	\$ \$ 1.978 \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (31,825) \$ (454) \$ (45,624) \$ (45,624) \$ (9,037) \$ (26,781) \$ (35,394) \$ (45,624) \$ (48,625	0.00% 4.09% 4.09% 1.404% 1.404% 79.16% 0.00% 234.88% 0.00% 564.32% 1.00.03% 1.00.03% 1.00.03% 1.00.03% 1.00.05%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76	555.18 555.13 555.03 555.20 555.20 555.14 555.16 555.15 555.36 555.36 555.38 555.41 555.41 555.51 555.39 555.39 555.30 555.31 555.53 555.31 555.53 555.31 555.53 555.31 555.53 555.31 555.53	DA Mix Admin Amount RT Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount DA Congestion Amount RT EBT Congestion Amount FIR Congestion Amount FIR Congestion Amount FIR Congestion FIR Hourly Allocation Amount FIR Monthly Allocation Amount FIR Yearly Allocation Amount FIR Searly Allocation Amount FIR Full Funding Guarantee Amount FIR Guarantee Uplift Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option 8 GFA DA Revenue Sufficiency Guarantee Make Whole Pymt Amount DA Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Net Instructed Deviation Amount RT Net Instructed Deviation Amount RT Demand Response Allocation Uplift Amount RT Demand Response Allocation Uplift Amount RT Ramp Product	\$ 48.308 \$ 6.977 \$ 117,909 \$ 11258 \$ (155,608) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,917) \$ (2,897) \$ (2,897) \$ (2,897) \$ (2,897) \$ (2,697) \$ (2,697)	\$ \$ 50,286 \$ 3,384 \$ 3,385 \$ \$ 394,849 \$ \$ 82,705 \$ (10,33,727 \$ (42,433) \$ \$ 7,205 \$ 7,205 \$ (388,713) \$ 368,520 \$ 1,093 \$ (30,824) \$ \$ 1,093 \$ 1,093 \$ (2,099 \$ 21,676 \$ \$ (2,099 \$ 21,676 \$ \$ (2,099 \$ 21,676 \$ \$ (5,941) \$ (2,090 \$ 21,676 \$ \$ (5,951)	\$ \$ 1.978 \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (31,825) \$ \$ 7,311 \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,271) \$ 4,508 \$ 2,916 \$ 7,311 \$ (7,311) \$ (7,271) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 2,802 \$ (9,037) \$ \$ (454) \$ 3,377 \$ \$ (454) \$ 3,304 \$ (45,182) \$ (9,037) \$ \$ (45,182) \$ (30,00) \$ (30,00) \$ \$ (30,00) \$ \$ (30,00) \$ \$ (30,00)	0.00% 4.09% 4.09% 1.41.04% 1.4	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 77 78 79 80 81	555.18 555.13 555.13 555.20 555.20 555.14 555.5 555.15 555.37 555.39 555.39 555.39 555.30 555.30 555.30 555.30 555.31 555.30 555.31 555.30 555.31 555.30 555	DA Mix Admin Amount RT Mix Admin Amount FIR Mix Admin Amount DA FBT Congestion Amount DA Congestion Amount OA Congestion Amount FIR Congestion Amount RT EBT Congestion Amount FIR Congestion Amount FIR Congestion Amount FIR Congestion Amount FIR Monthly Allocation Amount FIR Searly Allocation Amount FIR Searly Allocation Amount FIR Full Funding Guarantee Amount FIR Guarantee Uplift Amount FIR Guarantee Uplift Amount FIR Auction Revenue Rights Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Revenue Neutrality Uplift Amount RT Het Inadvertent Amount RT Het Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount RT Bamp Product RT SABN Non-Excessive Energy Amount***	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,916) \$ (2,917) \$ (218,878) \$ (20,489) \$ (33,601) \$ (4,901) \$ (4,901) \$ (2,918) \$	\$ \$ 50,286 \$ 3,3285 \$ \$ 394,849 \$ \$ 394,849 \$ \$ 42,733 \$ \$ 1,033,727 \$ (42,433) \$ \$ 7,205 \$ 7,205 \$ 368,520 \$ 1,093 \$ 300,224 \$	\$ \$ 1.978 \$ (980) \$ 1.451 \$ \$ 276,939 \$ \$ 71,447 \$ (878,119) \$ (31,825) \$ 2,918 \$ 7,311 \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,311) \$ (7,211) \$ (7,211) \$ (149,831) \$ (5,504) \$ (3,307) \$ \$ (454) \$ (2,802) \$ (9,037) \$ (454) \$ (2,802) \$ (9,037) \$ (454) \$ (2,802) \$ (9,037) \$ (2,802) \$ (19,037) \$ (46,182) \$ (18,360) \$ (18,360) \$ (3,304) \$ (3,304) \$ (3,304) \$ (3,304) \$ (3,304)	0.00% 4.09% 4.09% 1.41.04% 1.4	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77 78 79	555.18 555.13 555.13 555.20 555.20 555.14 555.15 555.17 555.36 555.36 555.36 555.36 555.37 555.39 555.40 555.53 555.40 555.40 555.53 555.36 555.37 555.40 555.55 555.36 555.36 555.36 555.36 555.36 555.36 555.37 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50 555.40 555.50	DA Mix Admin Amount RT Mix Admin Amount DA FBT Congestion Amount DA EBT Congestion Amount DA Congestion RT FBT Congestion Amount DA Congestion RT FBT Congestion Amount FTR Monthly Allocation Amount FTR Hourly Allocation Amount FTR Monthly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Yearly Allocation Amount FTR Self Full Funding Guarantee Amount FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Averenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Hutrality Uplift Amount RT Miss Amount RT Mel Inadvertent Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount RT Schedule 49 Cost Distribution Amount	\$ 48,308 \$ 6,977 \$ 1,834 \$ - \$ 117,909 \$ 11,258 \$ (155,608) \$ (10,607) \$ (2,916) \$ (2,916) \$ (2,18,878) \$ (2,097) \$ 2,2697 \$ (218,878) \$ 30,713 \$ (26,781) \$ (4,901) \$ (4,901) \$ (2,097) \$ (2,697) \$	\$ 5,988 \$ 394,849 \$ 5,988 \$ 1,939 \$ 1,039 \$ 1,039 \$ 1,039 \$ 1,039 \$ 1,039 \$ 1,040 \$ 1,050 \$ 1,	\$ \$ 1.978 \$ (980) \$ 1.451 \$ 276,939 \$ \$ 71,447 \$ (818,119) \$ (31,825) \$ 2,916 \$ 7,270 \$ 4,508 \$ (149,835) \$ (65,504) \$ (38,625) \$ (26,781) \$ (36,304) \$ (35,394) \$ (45,45) \$ (35,394) \$ (45,65) \$ (45,65) \$ (35,394) \$ (45,65) \$ (35,394) \$ (35,394) \$ (45,65) \$ (35,394) \$ (45,65) \$ (35,394) \$ (35,394) \$ (45,65) \$ (35,394) \$ (45,65) \$ (35,394) \$ (35,394) \$ (45,65) \$ (35,394) \$ (45,65) \$ (35,394) \$ (45,65) \$ (35,394) \$ (35,3	0.00% 4.09% 4.09% 1.404% 79.16% 0.00% 234.88% 0.00% 1564.32% 1.00.03% 1-00.03% 1-00.03% 1-00.05% 1.00.	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable

						,		,		
84		DA Losses Rebate on COGA	\$		\$	-	\$	-	0.00%	
85		RT Congestion Rebate on COGA	\$	-	\$		\$	-	0.00%	
86	555.23	RT Loss Rebate on COGA	\$	-	\$		\$	-	0.00%	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	\$	-	\$	23,956	\$	23,956	0.00%	
88										
89		Total MISO Wholesale Market Charges	\$	256,010	\$	(394,197)	\$	(650,208)	-253.98%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		-								·
91		SPP Wholesale Market Charges								
92		DA Asset Energy Amount***	\$	-	S	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$	-	\$		\$	-	0.00%	3)
		RT Asset Energy Amount***			S					Energy Amounts - included/embedded within Market Purchases
94			\$	-	-		\$	-		Energy Amounts - included/embedded within warket Purchases
95	555.00	RT Non-Asset Energy Amount	\$	-	\$		\$	-	0.00%	
96		DA Make-Whole-Payment Distribution Amount	\$	15			\$	(15)	-100.00%	
97		RT Make-Whole-Payment Distribution Amount	\$	143	\$	40	\$	(103)	-71.92%	
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$	-	\$	-	\$	-	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	85	\$	7		(79)	-92.30%	
100	555.04	DA Regulation-Down Distribution Amount	\$	10	\$	0	\$	(10)	-99.50%	
101	555.05	DA Regulation-Up Distribution Amount	\$	13	\$	2		(11)	-85.67%	
102		DA Spinning Reserve Distribution Amount	\$	18	\$	2		(15)	-86.47%	
103		DA Supplemental Reserve Distribution Amount	S	2		(0)		(2)	-111.72%	
103		RT Contingency Reserve Deployment Failure Amount	\$		\$		\$	1	-100.00%	
105		RT Over-Collected Losses Distribution Amount	\$	(9,571)		(6,314)		3,258	-34.04%	
106		RT Regulation-Down Distribution Amount	\$		\$	(0)		1	-88.26%	
107		RT Regulation Non-Performance Distribution Amount	\$		\$	(0)		0	-76.50%	
108	555.14	RT Regulation-Up Distribution Amount	\$	(1)		0		1	-106.12%	
109		RT Spinning Reserve Distribution Amount	\$		\$		\$	0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$	(0)			\$	0	-100.00%	
111		RT Pseudo Tie Congestion Amount		(22,159)		(67,029)	\$	(44,870)	202.49%	
112		RT Pseudo Tie Loss Amount		(14,504)		(25,416)		(10,912)	75.23%	
113		Miscellaneous Amount	\$	(10)		(1)		9	-86.06%	
114		ARR Closeout Yearly Amount	\$	- (10)	\$		\$		0.00%	
115		RT Demand Reduction Distribution Amount	\$		\$	- 0		- 0	0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount	\$	(0)			\$	1	-274.76%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$		\$	-	0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$		\$	-	0.00%	
119		Total SPP Wholesale Market Charges	\$	(45,963)	\$	(98,709)	\$	(52,746)	114.76%	
120										
121		MISO ASM								
122		Day Ahead Regulation Amount	\$	(26,803)	s	(85,303)	\$	(58,499)	218.25%	
123		Real Time Regulation Amount	\$	(4,520)	\$		\$	35,152	-777.63%	
124		Regulation Cost Distribution Amount	\$	12.163			\$	(86)	-0.70%	
125		Day Ahead Spinning Reserve Amount		(27,743)				(9,865)	35.56%	
			\$		\$		\$			
126		Real Time Spinning Reserve Amount	\$	3,884	\$		\$	(200)	-5.14%	
127		Spinning Reserve Cost Distribution Amount	\$	11,892	\$	9,838		(2,054)	-17.27%	
128		Day Ahead Supplemental Reserve Amount	\$	(3,026)		(10,171)		(7,146)	236.15%	
129		Real Time Supplemental Reserve Amount	\$	533	\$	6,903		6,370	1195.92%	
130		Supplemental Reserve Cost Distribution Amount	\$	3,569	\$	1,030	\$	(2,539)	-71.13%	
131		Contingency Reserve Deployment Failure Charge Amount	\$	802	\$	-	\$	(802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	1,918		1,955	\$	37	1.95%	
133		Net Regulation Adjustment Amount	\$	1,126		909		(217)	-19.28%	
134		Total MISO ASM	ě	(26,206)		(66,053)		(39,847)	152.05%	
135		TOTAL MISO ASM	-	(20,200)	*	(00,033)	φ	(33,047)	102.05%	
		Total Whalesala ** Ob		402 044		(EE0 050)		/740 000	-404.04%	
136		Total Wholesale Market Charges	9	183,841	\$	(558,959)	Þ	(742,800)	-404.04%	
137			ļ		1					
138					_					
139	Purchas	sed Power			1					
140			[PROTECT	ED DATA	A BE	GINS				
141		Edgeley PPA	1							
142		Langdon PPA			П					
143		Ashtabula III PPA	1							
144		Tribal (WAPA)	l		†					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance			t					Trock applicable to Early - Excluded from Total
			ļ		+					
146		Shared Loads			+-					
147		Small Co-gen			₩					
148		Bilateral purchases	l							
149		Market Purchases			L					MISO and SPP Energy Only
150					1				ED DATA ENDS]	
151		Total Purchases	\$ 6.	156,900	\$	4,351,068	\$	(1,805,832)	-29.33%	Tribal (WAPA) excluded from Total
152					T			1		
153	Wind Co	urtailment	\$	(4,504)	\$	208,291	ŝ	212,795	-4724.37%	
154			l .	(-,)	Ť		-	,. 50		
155	Accet D	ased Sales	\$	3,030	\$	421,704	\$	418,674	13817 649/	Credit to MN FCA Calculation - Subtracted from Total
156	Maset B	Fuel Costs		2,185		421,704	\$	415,669	19019.82%	Grount to Wint / GA Galiculation - Subtracted HOIII TOtal
			\$		\$					
157		Asset Based Margins	\$	845	\$	3,850	\$	3,005	355.87%	
158			l		! -		_	(0.000		T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
159	Total Sy	stem - Plant Level	\$ 10,	600,494	\$	8,308,216	\$	(2,292,279)	-21.62%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				July 2020 E	precast to Actual - M	M/h	
				July 2020 F	Drecast to Actual - W	vvii	
			July 2020		Forecast to Actual	Forecast to Actual	
Line	Plant G	eneration	Forecast [PROTECTED DATA	July 2020 Actual	Variance MWh	Variance %	Notes
1	Fiant G	Big Stone	[FROTECTED DATA	DEGING			
2		Coyote					
3 4		Hoot Lake #2 Hoot Lake #3					Actuals include Hoot Lake #2 and #3 combined
5		1100t Lake #3			PROTE	CTED DATA ENDS]	
6		Total Coal	187,300	186,755	(545)	-0.29%	
7		Language Miland	[PROTECTED DAT	A BEGINS			
8		Langdon Wind Ashtabula Wind					
10		Luverne Wind					
11		Merricourt					Merricourt does not come into service until 2020
12 13		Total Wind	27,400	26,185	PROTE (1,215)	CTED DATA ENDS] -4.43%	
14							
15		Total Hydro	1,600	1,868	268	16.77%	
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS			
18		Jamestown 2					
19		Lake Preston	-			-	
20		Fergus Control Center			DDOTE	CTED DATA ENDS]	
22	†	Total Oil - Peaking Units	900	147	PROTE (753)		
23			[PROTECTED DAT	A BEGINS	(199)		
24 25	<u> </u>	Natural gas - Solway					Actavia Station does not some into consider until 2020
26		Natural gas - Astoria			PROTE	CTED DATA ENDS]	Astoria Station does not come into service until 2020
27		Total Natural Gas	3,600	9,974	6,374	177.07%	
28 29	<u> </u>	Color Blue los	[PROTECTED DAT	A BEGINS			
30		Solar - Blue Jay Solar - Blue Heron					
31					PROTE	CTED DATA ENDS]	
32		Total Solar	-	-	-	0.00%	
33 34		Total OTP-Owned	220,800	224,930	4,130	1.87%	
35		1000 011 011100	220,000	22-1,000	4,100	1101 70	
36	Wholes	ale Market Charges					
37 38		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
39	555.04	DA FBT Loss Amount	N/A	N/A	N/A	N/A	
40	555.09	DA Non-asset Energy Amount***	N/A	N/A	N/A	N/A	
41 42	555.19	RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
44		DA Loss Amount	N/A	N/A	N/A	N/A	
45	FFF 00	RT Loss Amount	N/A	N/A	N/A	N/A	
46 47	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
48	555.12	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	N/A N/A	N/A N/A	
51		RT Mkt Admin Amount	N/A	N/A	N/A	N/A	
52	555.13	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 N/A	N/A	
54 55	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
56		RT Congestion	N/A	N/A	N/A	N/A	
57	555.14	FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
58 59	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
60	555.35	FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A	N/A	N/A	
62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
63				N/A	N/A	N/A	
63 64	555.38	FTR Annual Transaction Amount	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	
64 65 66	555.38 555.40 555.41	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A	N/A	N/A	
64 65	555.38 555.40 555.41 555.07	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A	N/A			
64 65 66 67 68 69	555.38 555.40 555.41 555.07 555.1 555.1	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt 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	
64 65 66 67 68 69 70	555.38 555.40 555.41 555.07 555.1 555.11 555.29	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	
64 65 66 67 68 69	555.38 555.40 555.41 555.07 555.1 555.11 555.29	FIR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt 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	
64 65 66 67 68 69 70 71 72 73	555.38 555.40 555.41 555.07 555.1 555.11 555.29 555.3 555.42 555.28	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount TR Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift 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	
64 65 66 67 68 69 70 71 72 73	555.38 555.40 555.41 555.07 555.1 555.11 555.29 555.3 555.42 555.28 555.28	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Neutrality Diplift Amount RT Revenue Neutrality Uplift Amount RT Misc 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	
64 65 66 67 68 69 70 71 72 73 74	555.38 555.40 555.41 555.07 555.1 555.11 555.29 555.3 555.42 555.28 555.25 555.27	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Misc Amount RT Misc Amount RT Misc 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	
64 65 66 67 68 69 70 71 72 73	555.38 555.40 555.41 555.07 555.11 555.29 555.3 555.42 555.28 555.27 555.31	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Neutrality Diplift Amount RT Revenue Neutrality Uplift Amount RT Misc 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	
64 65 66 67 68 69 70 71 72 73 74 75 76 77	555.38 555.40 555.41 555.07 555.11 555.29 555.3 555.42 555.28 555.25 555.27 555.31 555.59	FIR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Mexerue Neutrality Uplift Amount RT Met Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product	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	
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	555.38 555.40 555.41 555.07 555.11 555.29 555.3 555.42 555.25 555.25 555.27 555.31 555.59 555.64	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebeate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Price Volatility Make Whole Payment RI Price Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI RI Misc Amount RI Misc Amount RI Misc Mandvertent Amount RI Uninstructed Deviation Amount RI Demand Response Allocation Uplift Amount DA Ramp Product	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	
64 65 66 67 68 69 70 71 72 73 74 75 76 77	555.38 555.40 555.41 555.07 555.17 555.1 555.29 555.3 555.28 555.25 555.25 555.27 555.31 555.59 555.63	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount TR Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Votalitij Make Whole Payment RT Revenue Neutrality Uplift Amount RT Miss Amount RT Miss Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount RT Deman Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	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	
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	555.38 555.40 555.41 555.11 555.15 555.29 555.29 555.25 555.25 555.25 555.31 555.64 555.65 555.65	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebeate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Price Volatility Make Whole Payment RI Price Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI RI Misc Amount RI Misc Amount RI Misc Mandvertent Amount RI Uninstructed Deviation Amount RI Demand Response Allocation Uplift Amount DA Ramp Product	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	

							·
84	555.06	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	N/A	N/A	
86		RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88		·					
89		Total MISO Wholesale Market Charges					
90							
91		SPP Wholesale Market Charges					
92	555 10	DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.19	DA New and Francis Amount					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102		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	
104	555.08	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	N/A	N/A	
106	555.12	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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
111		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	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
		ARR Closeout Yearly Amount					
114 115			N/A N/A	N/A N/A	N/A N/A	N/A N/A	
	555.28	RT Demand Reduction Distribution Amount					
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120		-					
121		MISO ASM					
122		Day Ahead Regulation Amount	N/A	N/A	N/A	N/A	
123	-	Real Time Regulation Amount	N/A	N/A	N/A	N/A	
	-	Real Time Regulation Amount					
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM	1071	1471	1471	1471	
135		I Otal MISO ASM					
136		Total Wholesale Market Charges			1		
136	ļ	i otal wholesale market charges					
137							
139	Purchas	sed Power					
139 140			[PROTECTED DATA	A BEGINS			
139 140 141		Edgeley PPA	[PROTECTED DATA	A BEGINS			
139 140 141 142		Edgeley PPA Langdon PPA	[PROTECTED DAT.	A BEGINS			
139 140 141		Edgeley PPA	[PROTECTED DAT	A BEGINS			
139 140 141 142 143		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DATA	A BEGINS			Not Applicable to EAR - Excluded from Total
139 140 141 142 143 144		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	[PROTECTED DAT.	A BEGINS			Not Applicable to EAR - Excluded from Total
139 140 141 142 143 144 145		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT.	A BEGINS			Not Applicable to EAR - Excluded from Total
139 140 141 142 143 144 145 146		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT	A BEGINS			Not Applicable to EAR - Excluded from Total
139 140 141 142 143 144 145 146 147		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DAT.	A BEGINS			Not Applicable to EAR - Excluded from Total
139 140 141 142 143 144 145 146 147		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DAT.	A BEGINS			
139 140 141 142 143 144 145 146 147 148		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DAT.	A BEGINS			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
139 140 141 142 143 144 145 146 147 148 149		Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases				CTED DATA ENDS	MISO and SPP Energy Only
139 140 141 142 143 144 145 146 147 148 149 150		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DAT.	A BEGINS	PROTE: 4,522	CTED DATA ENDS) 2.33%	MISO and SPP Energy Only
139 140 141 142 143 144 145 146 147 148 149 150 151		Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	194,500	199,022	4,522	2.33%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
139 140 141 142 143 144 145 146 147 148 149 150 151 152		Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases					MISO and SPP Energy Only Tribal (WAPA) excluded from Total
139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
139 140 141 142 143 144 145 146 147 148 149 150 151 152	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Titibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	194,500	199,022	4,522	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total
139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
139 140 141 142 143 144 145 146 147 148 149 150 151 152 153	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
139 140 141 142 143 144 145 146 147 148 149 151 151 152 153 154 155	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
139 140 141 142 143 144 145 146 147 148 149 151 151 152 153 154 155	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	194,500	199,022 3,847	4,522 3,847	2.33% 0.00%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	Wind Co	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases urtailment ased Sales Fuel Costs	194,500	199,022 3,847	4,522 3,847	2.33% 0.00% 21433.32%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

				ecast to Actual - \$	per MWh	
			July 2020			
Line	Di		Forecast [PROTECTED DATA	July 2020 Actual		Notes
Line 1	Plant G	eneration Big Stone	[PROTECTED DATA	A BEGINS		
2		Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				
5 6		Total Coal	\$ 22.21	PROTECTED DA \$ 24.12		
7		Total Coal	[PROTECTED DATA	A BEGINS		
8		Langdon Wind				
9		Ashtabula Wind				
10		Luverne Wind				
11		Merricourt		PROTECTED DA	TA ENDS1	Merricourt does not come into service until 2020
13		Total Wind		\$ -	I A ENDO	
14						
15		Total Hydro	\$ -	\$ -		
16 17			[PROTECTED DATA	A BEGINS		
18		Jamestown 1 Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21				PROTECTED DA	TA ENDS]	
22	 	Total Oil - Peaking Units	\$ 30.33 [PROTECTED DATA	\$ 372.67	-	
23 24		Natural gas - Solway	I VOIECIED DAI	DEGINO	 	
25		Natural gas - Astoria				Astoria Station does not come into service until 2020
26				PROTECTED DA	TA ENDS]	
27		Total Natural Gas	\$ 22.28	\$ 17.01		
28 29	-	Solar - Blue Jay	[PROTECTED DATA	A BEGINS		
30		Solar - Blue Heron				
31				PROTECTED DA	TA ENDS]	
32		Total Solar	\$ -	\$ -		
33						
34 35		Total OTP-Owned	\$ 74.82	\$ 413.80		
36	Wholes	ale Market Charges				
37	***********	MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40 41	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
41	555.19	RT Distribution of Losses Amount	N/A N/A	N/A N/A		
43		RT FBT Loss Amount	N/A	N/A		
44		DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A	N/A		
46 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	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 53		FTR Mkt Admin Amount	N/A N/A	N/A N/A		
54	505.03	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		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58		FTR Monthly Allocation Amount	N/A	N/A		
59 60	555.17	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	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
64 65	555.38	FTR Annual Transaction Amount	N/A N/A	N/A N/A		
66	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	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	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	555.42	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	555.25	RT Misc Amount	N/A	N/A		
75		RT Net Inadvertent Amount	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		
78 79		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	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 84		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
04	333.00	DA E00000 Nobale UII GOOA	IN/A	IN/A		1

65 65 27 PT Companion and Lineas Adjustment & No DA Governation Schedules No DA Companion Schedules No							
27	85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
Section Sect		555.23	RT Loss Rebate on COGA				
Foot			Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
Section Sect							
Section Sect			Total MISO Wholesale Market Charges				
20 56 10 M. Aced Energy Amount							
50 55 55 10 Mon-asset Sergy Amount			SPP Wholesale Market Charges				
94 95 95 17 Asset Energy Amount**		555.19	DA Asset Energy Amount***				
555 Tit Non-Asset Energy Amount		555.03	DA Non-asset Energy Amount				
96.05.02 DA Males-Michie-Engenett Distribution Amount NA NA NA NA NA NA NA N		555.09	RT Asset Energy Amount***				
855 St Make Whitehold Amount							
SSS 18 RT Revenue Sufficiency Guarantees Distribution Amount	96	555.02	DA Make-Whole-Payment Distribution Amount	N/A			
99 55.15 FT Revenue Naturality (Julia) Desirabilistics Amount		555.1	RT Make-Whole-Payment Distribution Amount				
	98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
150 150	99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
1501 155.05 DA Regulation-Ly Distribution Amount	100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
1902 1905	101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
100 100	102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
155.08 RT Contingency Reserve Deptopuent Failure Amount N/A		555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
105		555.08	RT Contingency Reserve Deployment Failure Amount				
105 155.12 RT Regulation-Down Distribution Amount		555.11	RT Over-Collected Losses Distribution Amount				
1977 355.13 RT Regulation No. Performance Destroution Amount NA NA NA NA NA NA NA N							
1508 555.14 RT Regulation-Up Distribution Amount							
100		555.14	RT Regulation-Up Distribution Amount				
110		555.16	RT Spinning Reserve Distribution Amount				
111 555.2 RT Peaudo Tie Congestion Amount		555 17	RT Supplemental Reserve Distribution Amount			l	
1952 SSS 21 RT Peacuto Tie Loss Amount							
113 555.23 Miscellaneous Amount							
114 555.26 APR Closeout Verafry Amount							
155 555.28 RT Demard Reduction Distrikution Amount N/A N/A		555.20	ARR Closeout Veerly Amount				
116		555.20 EEE 20	DT Demand Deduction Distribution Amount				
117 555.27 DA GFA Care Qut Distribution Deployment Monthly Amount N/A							
118							
119		555.22	DA GFA Carve Out Distribution Deployment Monthly Amount				
120		555.27		N/A	N/A		
121			Total SPP Wholesale Market Charges				
122							
123							
124							
125							
126							
127	125		Day Ahead Spinning Reserve Amount				
128			Real Time Spinning Reserve Amount				
Real Time Supplemental Reserve Amount N/A N/A 131 Supplemental Reserve Coll Stribution Amount N/A N/A 131 Contingency Reserve Deployment Failure Charge Amount N/A N/A 132 Real Time Excessive Deficient Energy Deployment Charge Amount N/A N/A 133 Net Regulation Adjustment Amount Total MISO ASM 134 Total Wholesale Market Charges 135 Total Wholesale Market Charges 137 138 139 Purchased Power 140 Edgeley PPA Purchased Power 141 Edgeley PPA Purchased PPA 142 Langdon PPA Ashtabulai III PPA 144 Tribal (WAPA) Not Applicable to EAR - Excluded from Total 145 Shared Loads Not Applicable to EAR - Excluded from Total 146 Shared Loads Not Applicable to EAR - Excluded from Total 147 Small Co-open Not Applicable to EAR - Excluded from Total 148 Bilateral purchases MISO and SPP Energy Only 150 Protected Data Edgins Protected Data Edgins 151 Total Purchases Sales Sales 152 Asset Based Sales Salos Salos Salos Salos 153 Asset Based Margins N/A N/A Based Sales 156 Fuel Costs N/A N/A Based Sales 157 Asset Based Margins N/A N/A Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 157 Asset Based Margins N/A N/A Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 158 Puel Cost MWh and Margin MWH are not separated - Need t	127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
Supplemental Reserve Cost Distribution Amount N/A N/A N/A N/A 131 Contingency Reserve Deployment Failure Charge Amount N/A N/A 132 Real Time Excessive Deficient Energy Deployment Charge Amount N/A N/A 134 Net Regulation Adjustment Amount Total MISO ASM 135 Total Wholesale Market Charges 136 Total Wholesale Market Charges 137	128						
131			Real Time Supplemental Reserve Amount				
132 Real Time Excessive Deficient Energy Deployment Charge Amount N/A			Supplemental Reserve Cost Distribution Amount				
133							
134	132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
135	133		Net Regulation Adjustment Amount	N/A	N/A		
135	134		Total MISO ASM				
137	135						
137	136		Total Wholesale Market Charges				
138	137						
139 Purchased Power							
140		Purchas	sed Power				
141				[PROTECTED DATA	BEGINS		
142 Langdon PPA							
143							
144							
145							Not Applicable to EAR - Excluded from Total
146							
147							
148						l	
149 Market Purchases MISO and SPP Energy Only						l	
150							MISO and SPP Energy Only
151 Total Purchases \$ 31.66 \$ 21.86 Tribal (WAPA) excluded from Total			Warnet i dionases		PROTECTED DA	TA ENDS!	who and or r Energy Only
152			Total Durchasse	\$ 24.00	\$ 24 00	LY EMPS	Tribal (MAPA) excluded from Total
153 Wind Curtailment			Total Furchases	ψ 31.00	¥ 21.00		Thisal (Trail a) Casiaded Hotti Total
154		Wind C	urtailment	N/A	\$ E444		
155 Asset Based Sales \$ 30.30 \$ 19.58 156 Fuel Costs N/A N/A Based Sales 157 Asset Based Margins N/A N/A Saset Based Margins N/A N/A Based Sales 158 158 159 150		Willia C	ar comment	N/A	y 04.14		
Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales 157 Asset Based Margins N/A N/A N/A N/A N/A N/A N/A N/		Accot E	acad Salac	e 20.20	¢ 40.50	-	
156 Fuel Costs N/A N/A Based Sales 157 Asset Based Margins N/A N/A Based Sales 158 Based Margin MWH are not separated - Need to compare total Asset 158 Based Sales	100	ASSET E	aseu sales	φ 30.30	g 13.58	-	Fuel Cost MWh and Margin MWH are not congreted. Need to compare total Asset
157 Asset Based Margins N/A N/A Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales	150		First Coats	A1/A	A1/A		
157 Asset Based Margins N/A N/A Based Sales 158 Image: Control of the co	156		ruei Cosis	N/A	N/A		
158	457		A A D d Mi	****			
			Asset based Margins	N/A	N/A		based Sales
159 I otal System - Plant Level \$ 25.53 \$ 20.45 Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total							T
	159	Total S	rstem - Plant Level	\$ 25.53	\$ 20.45		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			August	2020 Forecast to	n Actual - Evner	isa (Pavanua)	
			-		Forecast to	Forecast to	
			August 2020	August 2020	Actual Varian		
Line	Plant G	eneration	Forecast [PROTECTED DATA	Actual	\$	%	Notes
1		Big Stone	[I KO ILO ILD DATA	DEGINO			
2		Coyote					
3 4		Hoot Lake #2 Hoot Lake #3					Actuals include Hoot Lake #2 and #3 combined
5		HOUL Lake #5			PROTE	CTED DATA ENDS	
6		Total Coal		\$ 4,043,702	\$ (616,6	9) -13.23%	
7 8		Langdon Wind	[PROTECTED DATA	BEGINS			
9		Ashtabula Wind					
10		Luverne Wind					
11 12		Merricourt			PPOTE	CTED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	\$ -	\$ -	\$ -	0.00%	
14							
15 16		Total Hydro	\$ - [PROTECTED DATA	\$ -	\$ -	0.00%	
17		Jamestown 1	[I KO ILO ILD DATA	DEGINO			
18		Jamestown 2					
19 20		Lake Preston Fergus Control Center					
21						CTED DATA ENDS]	
22		Total Oil - Peaking Units	\$ 27,300	\$ 22,831			
23 24		Natural gas - Solway	[PROTECTED DATA	BEGINS		+	
25		Natural gas - Astoria				1	Astoria Station does not come into service until 2020
26		-			PROTE	CTED DATA ENDS]	
27 28		Total Natural Gas	\$ 83,900 [PROTECTED DATA		\$ 6,7	5 8.00%	
29		Solar - Blue Jay				1	
30		Solar - Blue Heron					
31 32		Total Solar	•	• -	PROTE	CTED DATA ENDS] 0.00%	
33		Total Gold	· -	•	-		
34		Total OTP-Owned	\$ 4,771,511	\$ 4,157,148	\$ (614,3	-12.88%	
35 36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42		RT Distribution of Losses Amount	\$ (157,899)	\$ (110,636) \$ 47,2	29.93%	
43		RT FBT Loss Amount DA Loss Amount	\$ - \$ 415,454	\$ 262,783	\$ (152,6)		
45		RT Loss Amount	\$ 24,300	\$ 4,241		69) -82.55%	
46	555.26	RT Non-Asset Energy Amount***		\$ -	\$ -		Energy Amounts - included/embedded within Market Purchases
47 48	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount		\$ -	\$ -	0.00%	
49		RT Virtual Energy Amount		\$ -	\$ -	0.00%	
50	555.01	DA Mkt Admin Amount	\$ 45,123	\$ 46,074	\$ 9		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 4,342 \$ 1,711	\$ 5,184 \$ 3,151		19.39% IO 84.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53		DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	The state of the s
54		DA Congestion	\$ 117,090	\$ 226,741	\$ 109,6		
55 56	555.20		\$ - \$ 11,180	\$ 22,066	\$ 10,8	0.00% 36 97.37%	
57	555.14	FTR Hourly Allocation Amount	\$ (154,527)			83.12%	
58	555.15	FTR Monthly Allocation Amount	\$ (10,534)	\$ (45,569) \$ (35,0	332.61%	
59 60	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$ (2,896) \$ (7,260)	\$ - \$ -	\$ 2,8	96 -100.00% 50 -100.00%	
61			\$ (7,260)		\$ 13,7	88 392.33%	
62	555.37	FTR Guarantee Uplift Amount	\$ (3,502)	\$ (17,240) \$ (13,7	38) 392.33%	
63 64	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (218,878) \$ 202,489	\$ (368,713 \$ 368,520	\$ (149,8) \$ 166,0)	35) 68.46% 31 81.99%	
65		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 202,489				
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (33,915)	\$ (30,342) \$ 3,5	2 -10.53%	
67	555.07		\$ - \$ 5,436		\$ -	0.00%	
68 69	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 5,436 \$ (2,248)				
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 11,035	\$ (19,6)	(8) -64.07%	
71			\$ (26,781)		\$ 26,7		
72 73	555.42 555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (21,088) \$ 60,288	\$ (23,327 \$ 25,900	\$ (2,2)	(9) 10.62% (88) -57.04%	
74			\$ 18,489				
75	555.27	RT Net Inadvertent Amount	\$ 2,543				
76 77		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount		\$ - \$ -	\$ -	0.00%	
78		DA Ramp Product	\$ (2,129)				
79	555.64	RT Ramp Product	\$ 134	\$ 298	\$ 1	34 122.09%	
80	555.65	RT Schedule 49 Cost Distribution Amount		\$ 7,408			RT Schedule 49 Cost Distribtion is a new charge type as of 2020
81 82	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***		\$ - \$ -	\$ -	0.00%	
83		DA Congestion Rebate on COGA		\$ -	\$ -	0.00%	

84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99	555.22 555.23	DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedule	\$	-	\$ \$	- \$ - \$		0.00%	
86 87 88 89 90 91 92 93 94 95 96 97 98 99	555.23	RT Loss Rebate on COGA	\$	-					
87 88 89 90 91 92 93 94 95 96 97 98 99					s	_ ©			
88 89 90 91 92 93 94 95 96 97 98 99		Net Congestion and Losses Adjustment & No DA Generation Schedule						0.00%	
89 90 91 92 93 94 95 96 97 98 99 100				-	\$	(1,687) \$	(1,68	0.00%	
90 91 92 93 94 95 96 97 98 99							•		
91 92 93 94 95 96 97 98 99 100		Total MISO Wholesale Market Charges	\$	256,560	\$	70,372	(186,188	-72.57%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
92 93 94 95 96 97 98 99		•							, , , , , , , , , , , , , , , , , , , ,
92 93 94 95 96 97 98 99		SPP Wholesale Market Charges							
93 94 95 96 97 98 99		DA Asset Energy Amount***	\$	-	s	- \$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
94 95 96 97 98 99			\$					0.00%	
95 96 97 98 99 100		DA Non-asset Energy Amount			\$	- \$			
96 97 98 99 100		RT Asset Energy Amount***	\$		\$	- \$			Energy Amounts - included/embedded within Market Purchases
97 98 99 100	555.00	RT Non-Asset Energy Amount	\$	-	\$	- \$		0.00%	
98 99 100		DA Make-Whole-Payment Distribution Amount	\$	15	\$	- \$			
99 100	555.10	RT Make-Whole-Payment Distribution Amount	\$	143	\$	161 \$	18	12.63%	
100	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$	-	\$	- \$	-	0.00%	
	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	85	\$	(0) \$	(8	-100.40%	
		DA Regulation-Down Distribution Amount	\$	10	\$	2 5			
	555.05	DA Regulation-Up Distribution Amount	\$	13	\$	8 5			
102		DA Spinning Reserve Distribution Amount	\$	18		14 5			
103		DA Supplemental Reserve Distribution Amount	S	2		2 8			
103		RT Contingency Reserve Distribution Amount		(1)					
			\$			- \$			
105		RT Over-Collected Losses Distribution Amount	\$	(9,505)		(5,609) \$			
106		RT Regulation-Down Distribution Amount	\$	(1)		(0) \$			
107		RT Regulation Non-Performance Distribution Amount	\$	(0)		(0) \$			
108	555.14	RT Regulation-Up Distribution Amount	\$	(1)		0 \$			
109		RT Spinning Reserve Distribution Amount	\$	(0)		- \$			
110		RT Supplemental Reserve Distribution Amount	\$	(0)		- S		-100.00%	
111		RT Pseudo Tie Congestion Amount	\$	(22,005)	S	(39,162) \$			
112		RT Pseudo Tie Loss Amount	\$	(14,403)	S	(16,804) \$			
113		Miscellaneous Amount	\$	(10)		1 \$			
114		ARR Closeout Yearly Amount	\$	- (10)	\$	- \$		0.00%	
115					S				
		RT Demand Reduction Distribution Amount	\$					0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount	\$	(0)		3 \$			
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$	- \$		0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	- \$	-	0.00%	
119		Total SPP Wholesale Market Charges	\$	(45,641)	\$	(61,386) \$	(15,744	34.50%	
120									
121		MISO ASM							
122		Day Ahead Regulation Amount	\$	(22,953)	s	(71,989) \$	(49,036) 213.64%	
123		Real Time Regulation Amount	\$	(5,570)	\$	20,704			
124		Regulation Cost Distribution Amount	\$	12.463	\$	11.956			
125		Day Ahead Spinning Reserve Amount	\$	(26,081)	\$				
126		Real Time Spinning Reserve Amount	\$	2,251	\$	7,249			
127		Spinning Reserve Cost Distribution Amount	\$	13,963	\$	9,648 \$			
128		Day Ahead Supplemental Reserve Amount	\$	(3,271)		(7,930) \$			
129		Real Time Supplemental Reserve Amount	\$	2,473	\$	3,807			
130		Supplemental Reserve Cost Distribution Amount	\$	3,239	\$	1,443 \$			
131		Contingency Reserve Deployment Failure Charge Amount	\$	802	\$	- \$	(802	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	1,918	\$	1,109 \$			
133		Net Regulation Adjustment Amount	\$	1,126	\$	5,589			
134		Total MISO ASM	s	(19,641)		(40,748) \$			
135		Total MISO ASM	7	(,0+1)	Ť	(-0,140)	(21,10	, 107.47/6	
136		Total Wholesale Market Charges	e	191,278	s	(31,762) \$	(223,040	-116.61%	
136		Total Wildlesale Warket Charges	7	131,218	9	(31,/02)	(223,040	, -110.01%	
			-		-	-		+	
138	_				-			1	
139	Purchas	sed Power						1	
140			[PROTEC	CTED DATA	A BE	GINS			
141		Edgeley PPA			Ш_				
142		Langdon PPA							
143		Ashtabula III PPA							
144		Tribal (WAPA)	l						Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance	t			+		1	
146		Shared Loads	 						
			-		-	+		+	
147		Small Co-gen	-		-	-		+	
148		Bilateral purchases	1		_				
149		Market Purchases						1	MISO and SPP Energy Only
150			<u> </u>		ட			TED DATA ENDS]	
151		Total Purchases	\$	5,594,500	\$	4,221,673	(1,372,82	-24.54%	Tribal (WAPA) excluded from Total
152									
153	Wind C	urtailment	\$	8,368	\$	(80,801) \$	(89,169	-1065.57%	
154			T T	-,-,-		(,)	,,		
155	Asset P	ased Sales	s	-	\$	400,434	400,434	0.00%	Credit to MN FCA Calculation - Subtracted from Total
156	.10001 0	Fuel Costs	\$		\$	335,040			
		Asset Based Margins	\$		\$	65,394			
		Maser paser margins	φ		à	00,394 \$	00,394	0.00%	
157		ystem - Plant Level		0 505 055	-	7.005.007	(0.000.00	0=	Table (MADA) and delifera Table Asset Describes white of the Table
157 158 159	T-4-I ^		\$ 1	0,565,657	S	7,865,824	(2,699,83	11 -25.55%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				August 2020	Forecast to Actual -	MWh	
			August 2020	August 2020	Forecast to Actual	Forecast to Actual	
			Forecast	Actual	Variance MWh	Variance %	Notes
Line		eneration	[PROTECTED DATA	BEGINS			
1 2		Big Stone Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3					
5 6		Total Coal	210,400	175,747	PROTE (34,653)	CTED DATA ENDS]	
7		Total Coal	[PROTECTED DAT		(34,653)	-16.47%	
8		Langdon Wind	[NOTEOTED DAT	A DEGINO			
9		Ashtabula Wind					
10 11		Luverne Wind					Marriaguet dage not some into consign until 2020
12		Merricourt			PROTE	CTED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	26,900	25,415	(1,485)		
14						1= 0=0/	
15 16		Total Hydro	1,600 [PROTECTED DAT	1,855	255	15.95%	
17		Jamestown 1	[PROTECTED DAT	A BEGINS			
18		Jamestown 2					
19		Lake Preston					
20 21	-	Fergus Control Center			PPOTE	CTED DATA ENDS]	
22	1	Total Oil - Peaking Units	600	88	(512)	-85.41%	
23		•	[PROTECTED DAT	A BEGINS	(5.12)		
24	<u> </u>	Natural gas - Solway					Actorio Station doce not come into conside :
25 26		Natural gas - Astoria			PROTE	CTED DATA ENDS	Astoria Station does not come into service until 2020
27		Total Natural Gas	3,800	4,115			
28			[PROTECTED DAT	A BEGINS			
29		Solar - Blue Jay					
30 31		Solar - Blue Heron			PROTE	CTED DATA ENDS]	
32		Total Solar	-	-	-	0.00%	
33							
34 35		Total OTP-Owned	243,300	207,219	(36,081)	-14.83%	
36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	N/A	N/A		N/A	
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
41	555.19	RT Asset Energy Amount***	N/A	N/A		N/A	
42	555.24	RT Distribution of Losses Amount	N/A	N/A	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		N/A N/A	
46	555.26	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		N/A	
48 49		DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		N/A N/A	
50		DA Mkt Admin Amount	N/A	N/A		N/A	
51	555.18	RT Mkt Admin Amount	N/A	N/A	N/A	N/A	
52		FTR Mkt Admin Amount	N/A	N/A		N/A	
53 54	55.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		N/A N/A	
55	555.2	RT FBT Congestion Amount	N/A	N/A	N/A	N/A	
56		RT Congestion	N/A	N/A	N/A	N/A	
57 58	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
58	555.17	FTR Yearly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
60	555.35	FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		N/A	
62 63		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
64	555.38	FTR Annual Transaction Amount	N/A N/A	N/A N/A		N/A N/A	
65	555.40	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		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		N/A N/A	
69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
70	555.29	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	N/A	N/A	
72 73		RT Price Volatility Make Whole Payment	N/A	N/A		N/A	
73 74	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
75	555.27	RT Net Inadvertent Amount	N/A	N/A	N/A	N/A	
76		RT Uninstructed Deviation Amount	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		N/A N/A	
78 79		RT Ramp Product	N/A N/A	N/A N/A		N/A N/A	
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A	N/A	N/A	
		RT ASM Non-Excessive Energy Amount***	N/A	N/A	N/A	N/A	
81	555.55						
81 82 83	555.56	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		N/A N/A	

84	555.06	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	N/A	N/A	
86		RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88		•					
89		Total MISO Wholesale Market Charges					
90							
91		SPP Wholesale Market Charges					
92		DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.19	DA Noset Energy Amount					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102		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	
104	555.08	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	N/A	N/A	
106	555.12	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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
111		RT Pseudo Tie Congestion Amount	N/A	N/A	N/A	N/A	
112	55F 24	RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120		Total of 1 Wildiesale market offarges					
121		MISO ASM					
				N/A	N/A	N/A	-
122		Day Ahead Regulation Amount	N/A				
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135							
136		Total Wholesale Market Charges					
137							
138							
139	Purchas	ed Power					
140			[PROTECTED DATA	A BEGINS			
141		Edgeley PPA					
142		Langdon PPA					+
							
143		Ashtabula III PPA				 	N.A. E. II. A. EAD. E. I. I. IV. T. I.
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					
146		Shared Loads				L	
147		Small Co-gen				L	
148		Bilateral purchases					
149		Market Purchases					MISO and SPP Energy Only
150					PROTE	CTED DATA ENDS	** ,
151		Total Purchases	168,800	199,164	30,364	17.99%	Tribal (WAPA) excluded from Total
152		.otari urchases	.00,000	.00,104	55,504	55 /6	
153	Wind C	ırtailment		(1,231)	(1,231)	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154	Willia Cl	n tannient	•	(1,231)	(1,231)	0.00%	Ottor Tail and not foredast with Curtainnent livivin in the 2020 Folecast
	A	and Cales		17	17.5-0	0.000	Credit to MN ECA Coloulation - Cultivasted from T-1-1
155	Asset B	ased Sales		17,552	17,552	0.00%	Credit to MN FCA Calculation - Subtracted from Total
						I	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs			-	L	Based Sales
						I	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
457	Į.						
157		Asset Based Margins			-		Daseu Gales
158		-			-		
	Total Sy	Asset Based Margins stem - Plant Level	412,100	387,600	(24,500)	-5.95%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			August 2020 Fo	recast to Actual	\$ per MW	h
			August 2020	August 2020		
			Forecast	Actual		Notes
Line	Plant G		[PROTECTED DATA	A BEGINS		
1		Big Stone				
2		Coyote				Actuals include Hoot Lake #2 and #3 combined
3		Hoot Lake #2 Hoot Lake #3				Actuals include Hoot Lake #2 and #3 combined
5		1 loot Lake #0		PROTECTED DA	TA ENDS1	
6		Total Coal	\$ 22.15	\$ 23.01		
7			[PROTECTED DATA	BEGINS		
8		Langdon Wind				
9		Ashtabula Wind				
10 11		Luverne Wind Merricourt				Merricourt does not come into service until 2020
12		Menicourt		PROTECTED DA	TA ENDS1	Memicourt does not come into service until 2020
13		Total Wind		s -		
14						
15		Total Hydro	\$ -	\$ -		
16			[PROTECTED DATA	A BEGINS		
17 18		Jamestown 1 Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21				PROTECTED DA	TA ENDS]	
22		Total Oil - Peaking Units	\$ 45.50	\$ 260.73		
23			[PROTECTED DATA	A BEGINS		
24 25	 	Natural gas - Solway			-	Actorio Station does not como into convice ::::#il 2020
25 26		Natural gas - Astoria		PROTECTED DA	TA FNDS1	Astoria Station does not come into service until 2020
27		Total Natural Gas	\$ 22.08	\$ 22.02	I A LINDOJ	
28			[PROTECTED DATA	BEGINS		
29		Solar - Blue Jay				
30		Solar - Blue Heron				
31		Total Solar		PROTECTED DA	TA ENDS]	
32		Total Solar	\$ -	\$ -		
33		Total OTP-Owned	\$ 89.73	\$ 305.76	 	
35		Total OTF-Owned	÷ 03.73	÷ 505.76		
36	Wholes	ale Market Charges				
37		MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40 41	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
42	555.19	RT Distribution of Losses Amount	N/A	N/A		
43		RT FBT Loss Amount	N/A	N/A		
44		DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A	N/A		
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
47 48	555.08	DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
49	555.32	DA Virtual Energy Amount 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		FTR Mkt Admin Amount	N/A	N/A		
53	555.03	DA FBT Congestion Amount	N/A	N/A		
54	EE. ^	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	555.14	FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
61		FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37	FTR Guarantee Uplift Amount	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 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	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71 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		RT Revenue Neutrality Uplift Amount	N/A N/A	N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
77		RT Demand Response Allocation Uplift Amount	N/A	N/A		
78		DA Ramp Product	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	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		DA Losses Rebate on COGA	N/A	N/A		
	_					

85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		RT Regulation-Down Distribution Amount	N/A	N/A		
107		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	l	
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113		Miscellaneous Amount	N/A	N/A N/A		
114	555.20	ARR Closeout Yearly Amount	N/A	N/A		
115	555.20	RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A N/A		
118	555.22	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A N/A	N/A		
	555.27		N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137						
138						
139	Purchas	sed Power				
140			[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DA	TA ENDS1	
151		Total Purchases		\$ 21.20		Tribal (WAPA) excluded from Total
152						` '
153	Wind C	urtailment	N/A	\$ 65.64		
154				. 55.04		
155	Asset F	ased Sales	N/A	\$ 22.81	l	
	. 10001 L		IWA	,	l	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A	1	Based Sales
100		1 401 00010	IN/A	IN/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
158		, 10001 Dated Maryllia	IV/A	IN/A		Dadou Gardo
158	Total C	/stem - Plant Level	\$ 25.64	\$ 20.29		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
	rotal S	Jacon - Frank Level	φ 25.64	20.29		imbal (www.h.) excluded from Total, waset based Sales subtracted from Total

			Septemb	er 2020 Foreca	st to A	Actual - Expens	se (Revenue)	
			September 2020	September 202		Forecast to	Forecast to Actual Variance	
			Forecast	Actual	-0 -0	\$	%	Notes
Line 1		eneration Big Stone	[PROTECTED DATA	A BEGINS	-			
2		Coyote						
3		Hoot Lake #2						Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3				PROTECT	ED DATA ENDS]	
6		Total Coal	\$ 3,659,046	\$ 2,639,09	1 \$	(1,019,955)	-27.87%	
7			[PROTECTED DATA	A BEGINS				
8 9		Langdon Wind Ashtabula Wind						
10		Luverne Wind						
11 12		Merricourt				PROTECT	ED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	\$ -	\$ -	\$		0.00%	
14 15		Total Hydro	•	S -	\$		0.00%	
16		Total Hydro	PROTECTED DATA		•	-	0.00%	
17		Jamestown 1						
18 19		Jamestown 2 Lake Preston						
20		Fergus Control Center						
21 22		Total Oil - Peaking Units	\$ 27,300	\$ 5,25	9 \$	PROTECT (22,041)	ED DATA ENDS] -80.74%	
22		I otal Oil - Peaking Units	\$ 27,300 [PROTECTED DATA	A BEGINS	9 \$	(22,041)	-80.74%	
24		Natural gas - Solway	•					
25 26	-	Natural gas - Astoria			+	PROTECT	ED DATA ENDS]	Astoria Station does not come into service until 2020
27		Total Natural Gas			4 \$		-58.26%	
28 29		Solar - Blue Jay	[PROTECTED DATA	A BEGINS	- -			
30		Solar - Blue Heron			+			
31						PROTECT	ED DATA ENDS]	
32 33		Total Solar	\$ -	\$ -	\$	•	0.00%	
34		Total OTP-Owned	\$ 3,743,346	\$ 2,668,14	4 \$	(1,075,202)	-28.72%	
35 36	VA/II I	ala Market Ohaman						
37	vvnoies	ale Market Charges MISO Wholesale Market Charges						
38	555.02	DA Asset Energy Amount***	\$ -	\$ -	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$ - \$ -	\$		0.00%	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
42 43	555.24	RT Distribution of Losses Amount RT FBT Loss Amount	\$ (150,585) \$ -		7) \$	5,598	-3.72% 0.00%	
44	555.21	DA Loss Amount	\$ 396,210		4 \$	(211,616)	-53.41%	
45	EEE 00	RT Loss Amount	\$ 23,174			(5,468)	-23.60%	
46 47	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$ - \$ -	\$	- :	0.00%	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount	\$ -	\$ -	\$	-	0.00%	
49 50	555.32	RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 47.478	\$ -	3 \$	(4,305)	0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$ 5,971			(475)	-7.95%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13	FTR Mkt Admin Amount	\$ 1,565		14 \$	1,029	65.78%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54	555.03	DA FBT Congestion Amount DA Congestion	\$ - \$ 111,666	\$ 74,37	2 \$	(37,295)	0.00% -33.40%	
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$	-	0.00%	
56 57	555 14	RT Congestion FTR Hourly Allocation Amount	\$ 10,662 \$ (147,369)			(17,150) (250,085)	-160.85% 169.70%	
58	555.15	FTR Monthly Allocation Amount	\$ (10,046)	\$ (34,51		(24,472)	243.61%	
59	555.17	FTR Yearly Allocation Amount	\$ (2,762)	\$ -	\$	2,762	-100.00%	
60 61	555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (6,924) \$ (3,626)			(57,271) (5,728)	827.16% 158.00%	
62	555.37	FTR Guarantee Uplift Amount	\$ 3,626	\$ 9,35	4 \$	5,728	157.99%	
	EEE 20	FTR Auction Revenue Rights Transaction Amount	\$ (240,001)			(166,164) 158,740	69.23% 66.13%	
63	555 39					(6,540)	-81.81%	
63 64 65	555.38 555.40		\$ 240,025 \$ 7,994	\$ 1,45				
63 64 65 66	555.38 555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 7,994 \$ (13,026)	\$ 1,45 \$ (32,58	4) \$	(19,558)	150.15%	
63 64 65 66 67	555.38 555.40 555.41 555.07	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ 7,994 \$ (13,026) \$ -	\$ 1,45 \$ (32,58 \$ -	(4) \$ \$	-	0.00%	
63 64 65 66 67 68 69	555.38 555.40 555.41 555.07 555.10 555.11	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125)	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72	(4) \$ \$ (3) \$ (1) \$	4,296 2,404	0.00% 62.01% -46.91%	
63 64 65 66 67 68 69 70	555.38 555.40 555.41 555.07 555.10 555.11 555.29	FIR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19	(4) \$ \$ (3) \$ (1) \$	4,296 2,404 (16,515)	0.00% 62.01% -46.91% -53.77%	
63 64 65 66 67 68 69	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713 \$ (26,781) \$ (21,088)	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19 \$ - \$ (12,35	(4) \$ \$ (3) \$ (1) \$ (7) \$ (6) \$	4,296 2,404 (16,515) 26,781	0.00% 62.01% -46.91%	
63 64 65 66 67 68 69 70 71 72 73	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713 \$ (26,781) \$ (21,088) \$ 60,288	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19 \$ - \$ (12,35 \$ 571,48	(4) \$ \$ (3) \$ (1) \$ (7) \$ (6) \$ (9) \$	4,296 2,404 (16,515) 26,781 8,732 511,201	0.00% 62.01% -46.91% -53.77% -100.00% -41.41% 847.94%	
63 64 65 66 67 68 69 70 71 72 73	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28 555.28	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Price Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI Miss Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713 \$ (26,781) \$ (21,088) \$ 60,288 \$ 18,489	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19 \$ - \$ (12,35 \$ 571,48 \$ (2,42	(4) \$ \$ (3) \$ (1) \$ (7) \$ (6) \$ (8) \$	4,296 2,404 (16,515) 26,781 8,732 511,201 (20,917)	0.00% 62.01% -46.91% -53.77% -100.00% -41.41% 847.94% -113.13%	
63 64 65 66 67 68 69 70 71 72 73 74 75	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28 555.25 555.27 555.31	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Miss Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Perice Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Met Inadvertent Amount RT Net Inadvertent Amount RT Net Inadvertent Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713 \$ (26,781) \$ (21,088) \$ 60,288 \$ 18,489 \$ 2,543 \$ -	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19 \$ - \$ (12,35 \$ 571,48 \$ (2,42 \$ (27,88 \$ -	(4) \$ \$3 \$ (1) \$ (7) \$ (6) \$ (9) \$ (8) \$ (2) \$	4,296 2,404 (16,515) 26,781 8,732 511,201 (20,917) (30,424)	0.00% 62.01% -46.91% -53.77% -100.00% -41.41% 847.94% -113.13% -1196.55% 0.00%	
63 64 65 66 67 68 69 70 71 72 73 74 75 76	555.38 555.40 555.41 555.07 555.11 555.29 555.30 555.42 555.28 555.28 555.27 555.31 555.59	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Perice Volatility Make Whole Payment RT Perice Volatility Make Whole Payment RT Miss Amount RT Miss Amount RT Ministructed Deviation Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount RT Omann Response Allocation Uplift Amount	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713 \$ (26,781) \$ (21,088) \$ 60,288 \$ 18,489 \$ 2,543 \$ -	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19 \$ - \$ (12,35 \$ 571,48 \$ (2,42 \$ (27,88 \$ -	(4) \$ \$3 \$ (1) \$ (7) \$ (6) \$ (9) \$ (8) \$ (2) \$ 0 \$	4,296 2,404 (16,515) 26,781 8,732 511,201 (20,917) (30,424)	0.00% 62.01% -46.91% -53.77% -100.00% -41.41% 847.94% -113.13% -1196.55% 0.00% 0.00%	
63 64 65 66 67 68 69 70 71 72 73 74 75	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.25 555.25 555.27 555.37 555.59 555.63	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ 7,994 \$ (13,026) \$ - \$ 6,928 \$ (5,125) \$ 30,713 \$ (26,781) \$ (21,088) \$ 60,288 \$ 18,489 \$ 2,543 \$ - \$ (3,953)	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,119 \$ - \$ (12,35 \$ 571,48 \$ (2,24 \$ (2,24 \$ (2,7,88 \$ 5 (2,7,88) \$ (2	(4) \$ \$ (3) \$ (1) \$ (7) \$ (6) \$ (8) \$ (2) \$ (9)	4,296 2,404 (16,515) 26,781 8,732 511,201 (20,917) (30,424)	0.00% 62.01% -46.91% -53.77% -100.00% -41.41% 847.94% -113.13% -1196.55% 0.00%	
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 980	555.38 555.40 555.41 555.11 555.10 555.29 555.20 555.25 555.25 555.25 555.25 555.26 555.26 555.26 555.26 555.26 555.26 555.26 555.26 555.26	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B 6FA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Price Volatility Make Whole Payment RI Feroe Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI Miss Amount RI Miss Amount RI Uninstructed Deviation Amount RI Uninstructed Deviation Amount RI Demand Response Allocation Uplift Amount DA Ramp Product RI Ramp Product RI Schedule 49 Cost Distribution Amount	\$ 7,994 \$ (13,026) \$	\$ 1,45 \$ (32,58 \$ 11,22 \$ (2,72 \$ 14,19 \$ (12,35 \$ 571,48 \$ (2,42 \$ (27,88 \$ (27,88 \$ (28,88) \$	(4) \$ \$ (3) \$ (1) \$ (7) \$ (6) \$ (8) \$ (9) \$ (8) \$ (9)	4,296 2,404 (16,515) 26,781 8,782 511,201 (20,917) (30,424) - 0 3,070	0.00% 62.01% 46.91% -46.91% -53.77% -100.00% -41.41% 847.94% 0.00% 0.00% -91.58% -86.28% 0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
63 64 65 66 67 68 69 70 71 72 73 74 75 76 77	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.26 555.25 555.25 555.31 555.53 555.64 555.63 555.64	FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee Make Whole Pymt Amount RI Price Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI RI Misc Amount RI Misc Amount RI Neinadvertent Amount RI Uninstructed Deviation Amount RI Demand Response Allocation Uplift Amount DA Ramp Product RI Ramp Product	\$ 7,994 \$ (13,026) \$	\$ 1,45 \$ (32,58 \$ - \$ 11,22 \$ (2,72 \$ 14,19 \$ (2,42 \$ (27,88 \$ (27,88 \$ (2,42 \$ (27,88 \$ (2,42 \$ (27,88 \$ (27,88 \$ (27,88	(4) \$ \$ (3) \$ (1) \$ (7) \$ (6) \$ (8) \$ (9) \$ (8) \$ (9)	4,296 2,404 (16,515) 26,781 8,732 511,201 (20,917) (30,424) - 0 0 3,070	0.00% 62.01% -46.91% -100.00% -41.41% 847.94% -113.13% -0.00% 0.00% -91.58% -0.00% -0.00% -0.00% -0.00%	RT Schedule 49 Cost Distriblion is a new charge type as of 2020 Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases

86.00 22 PT Congestion Relation on COCAD \$ - 8 - 8 - 0 0.006	0.4	ee oo 1						_	-	0.000/	
85.93.28 Trl. Case Relation of COCKA 5				\$	-	\$	-	\$	-	0.00%	
B							-		-		
Section									25 655		
Total MISO Windowski Market Charges \$28,1512 \$175,658 \$ (195,856) \$37,690 Total Excluded Schools 16 and 17 (June 40 10 10 10 10 10 10 10			Net Congestion and Losses Adjustinent & No DA Generation Schedule	φ		φ	23,033	φ	23,033	0.0070	
Section Sect			Total MISO Wholesale Market Charges	•	281 512	•	175 656	•	(105.855)	-37 60%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
SPF Wholeses Market Charges			Total Miloo Wilolesale market orlanges	•	201,012	Ψ	170,000	_	(100,000)	-07.0070	Total Excludes outedate to and 17 (Ellies 40, 41, 42 Above)
Section DA Assert Energy Amount S			SPP Wholesale Market Charges								
93 555.00 DA Non-seek Energy Amount				\$	-	s		\$		0.00%	Energy Amounts - included/embedded within Market Purchases
94 550.0 RT Navaste Energy Amount								_			Energy / undulite unduded on bodded tham market i drondede
56 555.00 If? Non-Asset Energy Amount S		555.09	RT Asset Energy Amount***								Energy Amounts - included/embedded within Market Purchases
96 555.02 D. Makes-Write-Perpenter Destricturion Amount S 15 S - S C C C C C C C C C											
98 951 Pit Revenue Microrino Vaurante Distribution Amount \$ \$ \$ \$ \$ \$ \$ \$ \$	96 55	555.02	DA Make-Whole-Payment Distribution Amount				-		(15)		
98 555.15 RT Feereurs Bufforinery Custamenter Distribution Amount \$ \$ \$ \$ \$ \$ \$ \$ \$							1.425	s		899.49%	
99 555.15 RT Feerors Neutrality Upit Details Amount \$ 5 5 5 5 6 5 5 6 5 5							-		-		
101 555.0 Dit Regulation-Destination Amount \$ 10 \$ 59 \$ 49 491.09%	99 55	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$	85	\$	135	\$	49	58.10%	
103 555.07 Ch. Sprinning Reserve Distribution Amount S	100 55	555.04	DA Regulation-Down Distribution Amount	\$	10	\$	59	\$	49	491.08%	
193 555.07 A Supplemental Releave Deliphomer Failure Amount \$ 2 \$ 20 \$ 18 \$95.7%	101 55	555.05	DA Regulation-Up Distribution Amount								
105 555.01 RT Comingency Reserve Designation Amount S (1) S (0) S 1 96.40%	102 55	555.06	DA Spinning Reserve Distribution Amount	\$	18	\$		\$	123	685.63%	
106 565 17 RT Over-Collected Lossen Distribution Amount \$ (6,065) \$ (2,066)											
100 555.12 RT Regulation-Down Distribution Amount \$ (1) \$ (2) \$ (2) 72:09%											
107 555.13 RT Regulation Non-Performance Distribution Amount \$ (0) \$ (2) \$ (2) \$ (2) \$ 729.09%											
109 555.14 RT Regulation-Ly Distribution Amount \$ (1) \$ (0) \$ (5) \$ 541.50% \$ 109.55% \$ 109.55% \$ 109.55% \$ 0.100.00% \$ 109.55											
106											
110 655.17 RT Supplemental Reserve Distribution Amount \$ (20,968) \$ (75,408) \$ (36,450) \$ (17.369% \$ (17.369	108 55	55.14 I	RT Regulation-Up Distribution Amount							541.56%	
111 655.20 RT Peaudo Tie Congestion Amount \$ 20,966 \$ 567,456 \$ 68,450 173,69%											
113											
113											
114										25.12%	
116										-88.50%	
116											
117 555.22 DA GFA Carve Out Distribution Deployment Mornity S S (25) S (
118											
119											
120		000.27									
121 MISO ASM			Total SFF Wildlesale Market Charges	•	(43,313)	*	(10,190)	φ	(33,201)	01.00/6	
122 Day Ahead Regulation Amount \$ (23,773) \$ (50,545) \$ (26,771) 112,61% 124 Regulation Cost Distribution Amount \$ 11,937 \$ 11,228 \$ (710) 5-94% 125 Day Ahead Spinning Reserve Amount \$ 11,937 \$ 11,228 \$ (710) 5-94% 126 Real Time Spinning Reserve Amount \$ 3,358 \$ 3,136 \$ (401) -11,34% 127 Spinning Reserve Amount \$ 1,359 \$ (3,545) \$ (8,162) -00,43% 128 Day Ahead Supplemental Reserve Amount \$ 1,359 \$ (8,162) -00,43% 129 Real Time Spinning Reserve Amount \$ (3,887) \$ (7,526) \$ 861 -10,26% 129 Real Time Supplemental Reserve Amount \$ (3,887) \$ (7,526) \$ 861 -10,26% 129 Real Time Supplemental Reserve Amount \$ (3,887) \$ (7,526) \$ 861 -10,26% 130 Supplemental Reserve Amount \$ 3,826 \$ 1,034 \$ (2,792) -72,99% 131 Contingency Reserve Defloint Energy Amount \$ 802 \$ - \$ (802) -100,00% 132 Real Time Excessive Defloint Energy Deployment Charge Amount \$ 1,918 \$ 1,394 \$ (524) -27,31% 133 Nel Regulation Adjustment Amount \$ 1,918 \$ 1,394 \$ (524) -27,31% 134 Total MISO ASM \$ (23,365) \$ (39,394) \$ (10,029) 34,15% 139 Purchased Power Protected DATA BEGINS Protected DATA BEGINS 140 Edgeley PPA			MISO ASM								
Real Time Regulation Amount \$ (12,119) \$ 6,646 \$ 18,765 -154,84% Regulation Cost Distribution Amount \$ 11,937 \$ (710) -5,94% 125 Day Ahead Spinning Reserve Amount \$ (25,180) \$ (13,820)				S	(23.773)	S	(50.545)	\$	(26.771)	112.61%	
124 Regulation Cost Distribution Amount \$ 11,337 \$ 11,228 \$ (710) -5.94% 125			Real Time Regulation Amount								
125											
126 Real Time Spinning Reserve Amount \$ 3,338 \$ 3,136 \$ (401)11,34% 127 Spinning Reserve Can Distribution Amount \$ 13,508 \$ 5,345 \$ (8,162) - 60,43% 128 Day Ahead Supplemental Reserve Amount \$ (8,387) \$ (7,526) \$ 861 - 10,26% 129 Real Time Supplemental Reserve Amount \$ 3,40 \$ 3,032 \$ (409)11,88% 130 Supplemental Reserve Cost Distribution Amount \$ 3,826 \$ 1,034 \$ (2,792)72,98% 131 Contingency Reserve Delogivent Failure Charge Amount \$ 3,826 \$ 1,034 \$ (2,792)72,98% 132 Real Time Excessive Deficient Energy Deployment Charge Amount \$ 1,1918 \$ 1,394 \$ (602) - 100,00% 132 Real Time Excessive Deficient Energy Deployment Charge Amount \$ 1,1918 \$ 1,394 \$ (624) - 27,31% 133 Net Regulation Adjustment Amount \$ 1,1918 \$ 1,394 \$ (624) - 33,40% 134 Net Regulation Adjustment Amount \$ 1,1918 \$ 1,394 \$ (624) - 33,40% 135 Total MISO ASM \$ (29,365) \$ (39,394) \$ (10,029) 34,15% 136 Total Wholesale Market Charges \$ 208,632 \$ 57,466 \$ (151,166) .72,246% 137	125				(25, 180)	\$	(13,820)	\$	11,359	-45.11%	
127 Spinning Reserve Cost Distribution Amount \$ 13,508 \$ 5,345 \$ (8,162) -60,43% 128 Day Ahead Supplemental Reserve Amount \$ (8,387) \$ (7,526) \$ 861 -1,026% 129 Real Time Supplemental Reserve Amount \$ 3,440 \$ 3,032 \$ (409) -11,88% 130 Supplemental Reserve Cost Distribution Amount \$ 3,246 \$ 5,034 \$ (2,729) -7,289% 131 Contingency Reserve Deployment Failure Charge Amount \$ 802 \$ \$ \$ (802) -100,00% 132 Real Time Excessive Deflocinet Energy Deployment Charge Amount \$ 802 \$ \$ \$ (802) -100,00% 133 Ner Regulation Adjustment Amount \$ 1,126 \$ 682 \$ (443) -39,40% 134 Regulation Adjustment Amount \$ 1,126 \$ 682 \$ (443) -39,40% 135 Total Wholesale Market Charges \$ 208,632 \$ 57,466 \$ (151,166) 137 Total Wholesale Market Charges \$ 208,632 \$ 57,466 \$ (151,166) 139 Purchased Power Protected DATA BEGINS 141 Edgeley PPA	126			\$	3,538	\$	3,136		(401)	-11.34%	
129									(8,162)	-60.43%	
Supplemental Reserve Cost Distribution Amount \$ 3,826 \$ 1,034 \$ (2,792) -72,98%				\$							
131			Real Time Supplemental Reserve Amount								
Real Time Excessive Deficient Energy Deployment Charge Amount \$ 1,918 \$ 1,394 \$ (524) -27.31% 134							1,034				
133							-				
Total MISO ASM \$ (29,365) \$ (39,394) \$ (10,029) 34.15%				\$							
135		I	Net Regulation Adjustment Amount	\$							
Total Wholesale Market Charges \$ 208,632 \$ 57,466 \$ (151,166) .72.46%			Total MISO ASM	\$	(29,365)	\$	(39,394)	\$	(10,029)	34.15%	
137						_	46-	_	44.04.46		
138			Total Wholesale Market Charges	\$	208,632	\$	57,466	\$	(151,166)	-72.46%	
139 Purchased Power											
140		Durahe -	ad Dawer								
141 Edgeley PPA		urchas	eu rower	IDDATES	TED DATA	DEC	SING				
142				LLKOIEC	I ED DATA	DEC	671110				
143			Langdon PPA								
144			Achtahula III PPA								
145 WAPA Energy Imbalance											Not Applicable to EAR - Evoluded from Total
146											Inot Applicable to Enix = Excluded Itolii Total
147											
148											
MISO and SPP Energy Only MISO and SPP Energy Only MISO and SPP Energy Only											
150											MISO and SPP Energy Only
151 Total Purchases \$ 5,597,800 \$ 3,598,939 \$ (1,998,861) -35.71% Tribal (WAPA) excluded from Total 152 153 Wind Curtaliment \$ 4,461 \$ (8,569) \$ (13,030) -292.08% 154 155 Asset Based Sales \$ 38,700 \$ 514,472 \$ 475,772 1229,38% Credit to MN FCA Calculation - Subtracted from Total 156 Fuel Costs \$ 34,471 \$ 653,315 \$ 618,845 1795,28% 157 Asset Based Margins \$ 4,229 \$ (138,843) \$ (143,073) -3382.85% 158									PROTECT	ED DATA ENDSI	. 0,)
152			Total Purchases	\$!	5,597,800	\$	3,598,939	\$			Tribal (WAPA) excluded from Total
153 Wind Curtailment \$ 4,461 \$ (8,569) \$ (13,030) -292.08%					,		,,		, ,,,		`
154		Vind Cu	rtailment	\$	4,461	\$	(8,569)	\$	(13,030)	-292.08%	
156											
157											Credit to MN FCA Calculation - Subtracted from Total
158											
		,	Asset Based Margins	\$	4,229	\$	(138,843)	\$	(143,073)	-3382.85%	
159 Lotal System - Plant Level \$ 9.515.539 \$ 5.801.508 \$ (3.714.031) -30.03% Tribal (WADA) evaluated from Total: Accept Ro						_		_			
Total System: Time 2010.	159 To	otal Sy	stem - Plant Level	\$ 9	9,515,539	\$	5,801,508	\$	(3,714,031)	-39.03%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

Part General Section Process P							
Part	<u> </u>			September 202	0 Forecast to Actual	- MWh	
Total Vision PROTECTED DATA BEGINS.			September 2020	September 2020	Forecast to Actual	Forecast to Actual	
1			Forecast	Actual	Variance MWh	Variance %	Notes
County C			[PROTECTED DATA	A BEGINS			
14	C	Coyote					
Total Color	H						Actuals include Hoot Lake #2 and #3 combined
14.487		Hoot Lake #3			PPOTE	CTED DATA ENDS!	
PROTECTED DATA BEGINS		Total Coal	155.800	114.487	(41,313)	-26.52%	
Authorized Wind					(11,515)		
10		Langdon Wind					
Total Myste Sa. 200 Sa. 243 CFT Col. 1 CFT Col. 1 CFT							
Total Wind 38,300 38,245 (57) 4-15%		Merricourt					Merricourt does not come into service until 2020
Total Hydro		T-A-IMFd	20.000	20.040			
Total Hydro Total Hydro 1,600 1,807 207 12,99%		i otal Wind	38,300	38,243	(57)	-0.15%	
17		Total Hydro			207	12.96%	
18			[PROTECTED DAT	A BEGINS			
19							
PROTECTED DATA BROSS 3(32)							
Total Oil - Peaking Units Foot		Fergus Control Center					
PROTECTED DATA BEGINS Astoria Stution does not come into service until 2020		Total Oil Booking Units	400		PROTE	CTED DATA ENDS]	
Autural gas - Solaway		Total Oil - reaking Units	[PROTECTED DAT	A BEGINS	(392)	-90.08%	
PROTECTED DATA ENDS 27	1 N	Natural gas - Solway		-			
Total Natural Gas 2,600 1,188 (1,472) -54.39%	N	Natural gas - Astoria			DDCTE	CTED DATA ENDO	Astoria Station does not come into service until 2020
PROTECTED DATA BEGINS PROTECTED DATA BEGINS		Total Natural Gas	2.600	1,188			
30	3			A BEGINS	(-,)	2 3.00%	
32 Total Solar 0.00%							
Total Solar	, Si	Solar - Blue Heron			PROTE	CTED DATA ENDS	
35	,	Total Solar	-	-	-		
36							
Misco Wholesale Market Charges		Total OTP-Owned	198,700	155,733	(42,967)	-21.62%	
38 555.0 DA Asset Energy Amount** N/A		ile Market Charges					
39 555.04 DA FBT Loss Amount		MISO Wholesale Market Charges					
40	555.02 D	DA Asset Energy Amount***					
41							
43 555.21 RT FBT Loss Amount	1 555.19 R	RT Asset Energy Amount***					
44							
45 RT Loss Amount							
47 555.08 DA Losses Rebate on Option B GFA	5 R	RT Loss Amount	N/A	N/A	N/A	N/A	
48	555.26 R	RT Non-Asset Energy Amount***					
49 555.32 RT Virtual Energy Amount		DA Virtual Energy Amount					
51 555.18 FTR Mtk Admin Amount N/A N/A	9 555.32 R	RT Virtual Energy Amount	N/A	N/A	N/A	N/A	
S52	555.01 D	DA Mkt Admin Amount	N/A	N/A	N/A	N/A	
55.03 55.03 DA FBT Congestion Amount NIA NIA	555.18 F						
55. 55. 55. TFR Congestion Amount	3 555.03 D	DA FBT Congestion Amount	N/A	N/A	N/A	N/A	
Section Sect		DA Congestion	N/A				
57 555.14 FTR Hourly Allocation Amount NIA N	305.2 R	RT Congestion	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
S8 555.15 FTR Monthly Allocation Amount NIA	7 555.14 F	FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
60 555.35 FTR Monthly Transaction Amount NIA	555.15 F	FTR Monthly Allocation Amount		N/A	N/A		
555.38 FTR Full Funding Guarantee Amount N/A N/A N/A N/A N/A N/A N/A							
63 555.39 FTR Auction Revenue Rights Transaction Amount N/A N/A N/A N/A N/A 64 555.38 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A N/A N/A N/A 65 555.40 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A N/A N/A 66 555.41 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 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 72 555.2 <t< td=""><td>1 555.36 F</td><td>FTR Full Funding Guarantee Amount</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td></td></t<>	1 555.36 F	FTR Full Funding Guarantee Amount	N/A	N/A	N/A	N/A	
64 555.38 FTR Annual Transaction Amount NIA							
65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A N/A N/A 66 555.41 FTR Auction Revenue Rights Infeasible Uplift Amount N/A 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 N/A 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A N/A N/A 72 555.42 RT Price Volatility Make Whole Pymt Amount N/A N/A N/A N/A 74 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A 75 555.27 RT NE							
67 555.07 DA Congestion Rebate on Option B GFA NIA	5 555.40 F	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A	N/A	N/A	
68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 70 555.29 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 N/A N/A 72 555.2 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 73 555.2 RT Revenue Notariality Uplift Amount N/A N/A N/A N/A 74 555.2 RT Misc Amount N/A N/A N/A N/A 75 555.2 RT Net Inadvertent Amount N/A N/A N/A N/A	555.41 F	FTR Auction Revenue Rights Stage 2 Distribution Amount					
69 555.11 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 N/A N/A 71 555.3 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 73 555.28 RT Revenue Neutrality Upift Amount N/A N/A N/A N/A 74 555.25 RT Misc Amount N/A N/A N/A N/A 75 555.27 RT Net Inadevertent Amount N/A N/A N/A N/A		DA Revenue Sufficiency Guarantee Distribution Amount					
70 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A N/A N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
72 555.42 RT Price Volatility Make Whole Payment N/A N/A N/A N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A N/A 74 555.25 RT Misc Amount N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A	555.29 R	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A				
73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A N/A N/A N/A T4 555.28 RT Misc Amount N/A	555.3 R	KT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A		N/A		
74 555.25 RT Misc Amount N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A N/A							
	555.25 R	RT Misc Amount	N/A	N/A	N/A	N/A	
76 555.31 RT Uninstructed Deviation Amount N/A N/A N/A N/A N/A				N/A N/A	N/A N/A	N/A N/A	
16 555.31 R1 Uninstructed Deviation Amount							
78 555.63 DA Ramp Product N/A N/A N/A N/A N/A	3 555.63 D	DA Ramp Product	N/A	N/A	N/A	N/A	
79 555.64 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 N/A 81 555.55 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 N/A N/A N/A N/A	2 555.56 R	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 N/A			N/A	N/A	N/A	N/A	

	, ,					,	
84	555.06	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	N/A	N/A	
86		RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88		•					
89		Total MISO Wholesale Market Charges				i	
90							
91		SPP Wholesale Market Charges					
92		DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.19	DA Noset Energy Amount					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102		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	
104	555.08	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	N/A	N/A	
106	555.12	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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
111		RT Pseudo Tie Congestion Amount	N/A	N/A	N/A	N/A	
112	55F 24	RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	+
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges				1	
120		Total of 1 Wilolesale market offarges					
121		MISO ASM					
			****	N/A	N/A	N/A	
122		Day Ahead Regulation Amount	N/A				
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135							
136		Total Wholesale Market Charges					
137							
138							
139	Purchas	sed Power					
140			[PROTECTED DAT	A BEGINS		i e	
141		Edgeley PPA	,				+
142		Langdon PPA					+
143		Ashtabula III PPA					N.A. II. II. A. E. E. A. I. I. I. T. I.
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					
146		Shared Loads				ļ	
147	1 7	Small Co-gen					
148		Bilateral purchases					
149		Market Purchases					MISO and SPP Energy Only
150					PROTE	CTED DATA ENDS	3))
151		Total Purchases	195,600	163,178	(32,422)	-16.58%	
152		.otari urchases	.00,000	.00,170	(02,422)	. 5.50 /0	
153	Wind C	urtailment		(294)	(294)	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154	Willia Cl	a tallinent	-	(294)	(294)	0.00%	Ottor Tail did not lorgoast will doubtaillient lyiwin in the 2020 FoleCast
	A	anad Calan	4 500	20.0	04.0**	0000 700	Condit to MN ECA Coloulation - Cultivasted from T-1-1
155	Asset B	ased Sales	1,500	36,341	34,841	2322.73%	Credit to MN FCA Calculation - Subtracted from Total
						İ	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs			-	<u>. </u>	Based Sales
		Asset Deced Messins				İ	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
45-		Asset Based Margins			-		Based Sales
157							
158						l .	
	Total Sy	rstem - Plant Level	392,800	282,276	(110,524)	-28.14%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			September 2020	Forecast to Actua	I - \$ per M	Wh
			September 2020			
			Forecast	Actual		Notes
Line	Plant G	eneration	[PROTECTED DATA	A BEGINS		
1		Big Stone				
2		Coyote Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
3 4		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
5		1100t Lance #0		PROTECTED DA	TA ENDS1	
6		Total Coal	\$ 23.49	\$ 23.05		
7			[PROTECTED DATA	A BEGINS		
8		Langdon Wind				
9		Ashtabula Wind				
10		Luverne Wind				
11		Merricourt		PROTECTED DA	TA ENDO	Merricourt does not come into service until 2020
12		Total Wind		.PROTECTED DA	I A ENDS]	
14		Total Willia	•	•		
15		Total Hydro	s -	s -		
16		•	[PROTECTED DATA	A BEGINS		
17		Jamestown 1				
18		Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21	-	Total Oil - Peaking Units	\$ 68.25	PROTECTED DA \$ 683.25		
23	1	Total Oil - Peaking Units	[PROTECTED DATA	A REGINS	-	
24	1	Natural gas - Solway	L. NOTEOTED DATA			
25		Natural gas - Astoria				Astoria Station does not come into service until 2020
26				PROTECTED DA		
27		Total Natural Gas	\$ 21.92	\$ 20.03		
28			[PROTECTED DATA	A BEGINS		
29		Solar - Blue Jay				
30		Solar - Blue Heron		PROTECTED DA	TA ENDO	
31		Total Solar		.PROTECTED DA	I A ENDS]	
33		Total Solar	• -	• -		
34		Total OTP-Owned	\$ 113.66	\$ 726.33		
35		Total OTI -OWIICA	¥ 110.00	720.00		
36	Wholes	ale Market Charges				
37		MISO Wholesale Market Charges				
38	555.02	DA Asset Energy Amount***	N/A	N/A		
39	555.04	DA FBT Loss Amount	N/A	N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41 42	555.19	RT Asset Energy Amount***	N/A N/A	N/A N/A		
42		RT Distribution of Losses Amount				
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		RT Non-Asset Energy Amount***	N/A	N/A		
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
48	555.12	DA Virtual Energy Amount	N/A	N/A		
49	555.32	RT Virtual Energy Amount	N/A	N/A		
50	555.01	DA Mkt Admin Amount	N/A	N/A		
51	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
52			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	N/A N/A		
56		RT Congestion	N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62 63	555.37	FTR Guarantee Uplift Amount	N/A N/A	N/A N/A	-	
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 Author Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72		RT Price Volatility Make Whole Payment	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	N/A N/A		
76		RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
0.2		DA Congestion Rebate on COGA	N/A	N/A		
83 84		DA Losses Rebate on COGA	N/A	N/A		

85		RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		Tetal MICO Whales Is Made to Channe				
89 90		Total MISO Wholesale Market Charges				
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A	 	
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94		RT Asset Energy Amount***	N/A	N/A		
95	555	RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
102	555.05	DA Regulation-Up Distribution Amount 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		RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		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		RT Supplemental Reserve Distribution Amount	N/A	N/A		
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112 113	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A	 	
113	555.26	ARR Closeout Yearly Amount	N/A N/A	N/A N/A	\vdash	
115		RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124 125		Regulation Cost Distribution Amount	N/A N/A	N/A N/A		
125		Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount	N/A N/A	N/A N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	 	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135 136		Total Wholesale Market Charges				
137		Total Wholesale Market Charges				
138	-					
139	Purcha	sed Power				
140	. Di Gila		[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)	·			Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads			<u> </u>	
147	-	Small Co-gen			 	
148 149	-	Bilateral purchases Market Purchases				MISO and SPP Energy Only
150	-	market i dionases		PROTECTED DA	TA ENDS	who o and or i Energy Office
151	l	Total Purchases				Tribal (WAPA) excluded from Total
152		rotari urchases	- 25.02	- 22.00		The state of the s
153	Wind C	urtailment	N/A	\$ 29.15		
154						
155	Asset E	ased Sales	\$ 25.80	\$ 14.16		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
450	l	Fuel Costs	N/A	N/A		Based Sales
156				i i	1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
		A A D A M in -				
157		Asset Based Margins	N/A	N/A		Based Sales
	Total	-	N/A \$ 24.22			

Line						Actua	al - Expense	(Revenue)	
Line			October 2020		per 2020	For	recast to	Forecast to Actual Variance	
Line			Forecast	Ad	ctual	Actua	\$	%	Notes
1		eneration Dis Stane	[PROTECTED DATA	BEGIN	S				
2		Big Stone Coyote							
3		Hoot Lake #2							Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3					PROTECT	ED DATA ENDS]	
6		Total Coal	\$ 2,867,912	\$ 3	3,541,320	\$	673,408	23.48%	
7			[PROTECTED DATA	BEGIN	S				
8		Langdon Wind Ashtabula Wind							
10		Luverne Wind							
11 12		Merricourt					PROTECT	ED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	\$ -	\$	-	\$	-	0.00%	
14 15		Tatallindan		s	-	\$	_	0.00%	
16		Total Hydro	PROTECTED DATA			\$	-	0.00%	
17		Jamestown 1	•						
18 19		Jamestown 2 Lake Preston							
20		Fergus Control Center							
21					0.000			ED DATA ENDS]	
22 23		Total Oil - Peaking Units	\$ 27,300 [PROTECTED DATA	∖ BEGIN	9,882 IS	\$	(17,418)	-63.80%	
24		Natural gas - Solway							
25 26		Natural gas - Astoria					PROTECT	ED DATA ENDS]	Astoria Station does not come into service until 2020
27		Total Natural Gas			129,400	\$	37,200	40.35%	
28			[PROTECTED DATA	BEGIN	S				
29 30		Solar - Blue Jay Solar - Blue Heron							
31							PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$	-	\$	-	0.00%	
33 34		Total OTP-Owned	\$ 2,987,412	s :	3,680,602	\$	693,190	23.20%	
35			, , , ,				,		
36 37	Wholesa	ale Market Charges MISO Wholesale Market Charges							
38	555.02	DA Asset Energy Amount***	\$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
39 40	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***		\$		\$		0.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (160,489)	\$	(88,209)	\$	72,280	-45.04%	VI
43 44		RT FBT Loss Amount DA Loss Amount	\$ - \$ 422,270		159.137	\$	(263,133)	0.00% -62.31%	
45		RT Loss Amount	\$ 24,698	\$	10,782	\$	(13,916)	-56.34%	
46 47	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
48	555.12	DA Virtual Energy Amount		\$	-	\$		0.00%	
49	555.32	RT Virtual Energy Amount	\$ -	\$	-	\$		0.00%	
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	\$ 63,214 \$ 7,081		48,586 8,185	\$	(14,629) 1,104		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	\$ 1,561	\$	2,031	\$	470	30.14%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54		DA FBT Congestion Amount DA Congestion	\$ - \$ 119,011	\$	(87,908)	\$	(206,919)	0.00% -173.87%	
55	555.20	RT FBT Congestion Amount	\$ -	\$	(67,906)	\$	(200,919)	0.00%	
56		RT Congestion	\$ 11,363		(36,789)	\$	(48,152)	-423.75%	
57 58	555.14	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ (157,062) \$ (10,706)		(390,517) (11,555)	\$	(233,456) (848)	148.64% 7.92%	
59	555.17	FTR Yearly Allocation Amount	\$ (2,943)	\$	-	\$	2,943	-100.00%	
60	555.35	FTR Monthly Transaction Amount	\$ (7,379)	\$	(58,974)	\$	(51,595)	699.19%	
61 62	555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ (13,436) \$ 13,436	\$	(36,152) 41,425	\$	(22,715) 27,989	169.06% 208.31%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (240,001)	\$	(406, 165)		(166,164)	69.23%	
64 65	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 240,025 \$ 7,994	\$	398,764 1,455	\$	158,740 (6,540)	66.13% -81.81%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (13,026)		(32,584)	\$	(19,558)	150.15%	
67 68	555.07	DA Congestion Rebate on Option B GFA	\$ -	\$	10.212	\$	202	0.00%	
69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 10,010 \$ (8,115)		10,212 (18,414)		(10,299)	2.02% 126.93%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$	12,539	\$	(18,174)	-59.17%	
71 72	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (26,781) \$ (21,088)		(9,907)	\$	26,781 11,180	-100.00% -53.02%	
73			\$ 60,288	\$	43,076	\$	(17,212)	-28.55%	
74		RT Misc Amount	\$ 18,489	\$	1,478	\$	(17,010)	-92.00%	
75 76	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 2,543 \$ -	\$	(768)	\$	(3,310)	-130.19% 0.00%	
	555.59	RT Demand Response Allocation Uplift Amount	\$ -	\$	0	\$	0	0.00%	
77	FFF 00	DA Ramp Product	\$ (3,220)		(270)	\$	2,950 384	-91.62% -289.02%	
77 78		PT Pamp Product							
77	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (133) \$ -		251 6,360	\$			RT Schedule 49 Cost Distribtion is a new charge type as of 2020
77 78 79	555.64 555.65 555.55	RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ - \$ -	\$ \$ \$	6,360	•	6,360	0.00% 0.00%	RT Schedule 49 Cost Distribition is a new charge type as of 2020 Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases

			•	-				0.000/	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ - \$ -	\$	-	\$ \$	-	0.00%	
86		RT Loss Rebate on COGA	\$ - \$ -	\$		\$ \$	-	0.00%	
87	333.23	Net Congestion and Losses Adjustment & No DA Generation Schedule		\$			515	0.00%	
88		Net Congestion and Losses Adjustment & No DA Generation Schedule	φ -	Ψ	2,313	φ 2,	313	0.0076	
89		Total MISO Wholesale Market Charges	\$ 296,460) S	(490,218)	\$ (786,	678)	-265 36%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		Total mice Thiologic market onal goo	¥ 200,100	Ť	(400,210)	(,,,,	0.0,	200.0070	Total Excitació Solicida la dila 17 (Ellico 10, 11, 1278610)
91		SPP Wholesale Market Charges		+					
92	555 19	DA Asset Energy Amount***	\$ -	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$ -	\$			-	0.00%	Energy / aniocatio aniocacca composacca manni mantot i aronacco
94	555.09	RT Asset Energy Amount***	\$ -	\$			-		Energy Amounts - included/embedded within Market Purchases
95		RT Non-Asset Energy Amount	\$ -	\$			-	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount		5 \$	-		(15)	-100.00%	
97				\$	849		706	495.51%	
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$	-	\$	-	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	5 \$	46	\$	(39)	-45.85%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$	46	\$	36	355.27%	
101	555.05			\$		\$	54	420.91%	
102	555.06		\$ 18	\$		\$	81	450.20%	
103		DA Supplemental Reserve Distribution Amount		\$		\$	10	514.90%	
104) \$	-	\$	1	-100.00%	
105			\$ (9,661		(5,369)		292	-44.42%	
106		RT Regulation-Down Distribution Amount) \$	(0)		0	-74.84%	
107) \$	(0)	\$	(0)	7.41%	
108	555.14	RT Regulation-Up Distribution Amount) \$		\$	1	-106.12%	
109		RT Spinning Reserve Distribution Amount) \$	(0)	\$	(0)	118.18%	
110		RT Supplemental Reserve Distribution Amount) \$		\$ (07	0	-100.00%	
111		RT Pseudo Tie Congestion Amount	\$ (22,366		(109,823)			391.03%	
112		RT Pseudo Tie Loss Amount	\$ (14,640		(18,645)		005)	27.36%	
113		Miscellaneous Amount) \$	(1)		10	-94.64% 0.00%	
114 115		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ - \$ -	\$	- 0		- 0	0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount)) \$	19	\$	20	-4625.05%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$	(0)	\$	(0)	0.00%	
118		DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$		\$	(0)	0.00%	
119	333.21	Total SPP Wholesale Market Charges			(132,701)		306)	186.03%	
120		Total of 1 Wholesale market offarges	4 (40,000	,, w	(132,701)	Ψ (00,	300,	100.0070	
121		MISO ASM							
122		Day Ahead Regulation Amount	\$ (10,923	s) s	(27,635)	\$ (16,	712)	153.00%	
123			\$ (2,434) \$			958	-121.56%	
124			\$ 17,480				388)	-25.10%	
125		Day Ahead Spinning Reserve Amount	\$ (38,350) \$	(5,399)	\$ 32,	950	-85.92%	
126		Real Time Spinning Reserve Amount	\$ 4,414	\$	3,243	\$ (1,	172)	00 F40/	
127								-26.54%	
128			\$ 20,515	\$	6,618	\$ (13,	897)	-67.74%	
		Day Ahead Supplemental Reserve Amount	\$ 20,515 \$ (3,797	5 \$ ') \$	6,618 (10,686)	\$ (13, \$ (6,	897) 889)	-67.74% 181.46%	
129		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount	\$ 20,515 \$ (3,797 \$ 425	5 \$ ') \$ 5 \$	6,618 (10,686) 3,830	\$ (13, \$ (6, \$ 3,	897) 889) 405	-67.74% 181.46% 801.48%	
129 130		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount	\$ 20,515 \$ (3,797 \$ 425 \$ 4,749	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686)	\$ (13, \$ (6, \$ 3, \$ (3,	897) 889) 405 067)	-67.74% 181.46% 801.48% -64.58%	
129 130 131		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount	\$ 20,515 \$ (3,797 \$ 425 \$ 4,749 \$ 802	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682	\$ (13, \$ (6, \$ 3, \$ (3, \$ (3,	897) 889) 405 067) 802)	-67.74% 181.46% 801.48% -64.58% -100.00%	
129 130 131 132		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 20,515 \$ (3,797 \$ 425 \$ 4,749 \$ 802 \$ 1,918	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507	\$ (13, 13, 14, 15) \$ (6, 15) \$ (3, 15) \$ (3, 15) \$ (15) \$	897) 889) 405 067) 802) 589	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74%	
129 130 131 132 133		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Result Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 20,515 \$ (3,797 \$ 425 \$ 4,749 \$ 802 \$ 1,918 \$ 1,126	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769	\$ (13, \$ (6, \$ 3, \$ (3, \$ (3, \$ (6,	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71%	
129 130 131 132 133 134		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 20,515 \$ (3,797 \$ 425 \$ 4,749 \$ 802 \$ 1,918 \$ 1,126	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769	\$ (13, \$ (6, \$ 3, \$ (3, \$ (3, \$ (6,	897) 889) 405 067) 802) 589	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74%	
129 130 131 132 133 134 135		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 20,515 \$ (3,797 \$ 425 \$ 4,744 \$ 802 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5) \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Result Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 20,515 \$ (3,797 \$ 425 \$ 4,744 \$ 802 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5) \$	6,618 (10,686) 3,830 1,682 - 2,507 769	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71%	
129 130 131 132 133 134 135 136 137		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 20,515 \$ (3,797 \$ 425 \$ 4,744 \$ 802 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5) \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges	\$ 20,515 \$ (3,797 \$ 425 \$ 4,744 \$ 802 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5) \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	\$ 20,515 \$ (3,797 \$ 425 \$ 4,744 \$ 802 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137 138	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137 138 139 140 141	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137 138 139 140	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Fallure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137 138 139 140 141	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	Not Applicable to EAR - Excluded from Total
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 144	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA)	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	Not Applicable to EAR - Excluded from Total
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	Not Applicable to EAR - Excluded from Total
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Small Cogen	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	Not Applicable to EAR - Excluded from Total
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 144 145 146 147	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13,45) \$ (6,45) \$ (3,45) \$ (3,45) \$ (4,45) \$ (5,45) \$ (7,45)	897) 889) 405 067) 802) 589 357)	-67.74% 18146% 801.48% -100.00% -30.74% -31.71% 181.07%	
129 130 131 132 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Small Cogen	\$ 20,515 \$ (3,797 \$ 425 \$ 4,745 \$ 800 \$ 1,916 \$ 1,126 \$ (4,076	5 \$ \$ (5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13.3 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5 (6.5	897) 889) 405 0067) 802) 589 357) 380)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
129 130 131 132 133 134 135 136 137 139 140 141 142 143 144 145 146 147 149 150	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	\$ 20,516 \$ 3,79 \$ 426 \$ 426 \$ 474 \$ 802 \$ 1,916 \$ 1,1916 \$ 1,1916 \$ 4,076	i	6.618 (10,886) 3,830 1,882 2,507 769 (11,456) (634,374)	\$ (13.) \$ (6.) \$ (6.) \$ (7.) \$ (7.) \$ (880.)	897) 889) 405 0067) 802) 589 357) 364)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	MISO and SPP Energy Only
129 130 131 132 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purchas	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases	\$ 20,516 \$ 3,79 \$ 426 \$ 426 \$ 474 \$ 802 \$ 1,916 \$ 1,1916 \$ 1,1916 \$ 4,076	i	6,618 (10,686) 3,830 1,682 - 2,507 769 (11,456) (634,374)	\$ (13.) \$ (6.) \$ (6.) \$ (7.) \$ (7.) \$ (880.)	897) 889) 405 0067) 802) 589 357) 364)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso Asim Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases	\$ 20,516 \$ 3,79 \$ 426 \$ 474 \$ 800 \$ 1,916 \$ 1,126 \$ 4,076 \$ 245,990	(i) \$ (ii) \$ (iii) \$ (6.618 (10.886) 3.830 1.685 (20.876) 7769 (11.456) (634,374) (634,374) 4.787,067	\$ (13.) \$ (6.) \$ (6.) \$ (3.) \$ (3.) \$ (7.) \$ (880.)	897) 889) 405 067) 802) 589 3364) 3364)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07% -357.89%	MISO and SPP Energy Only
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150		Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	\$ 20,516 \$ 3,79 \$ 426 \$ 426 \$ 474 \$ 802 \$ 1,916 \$ 1,1916 \$ 1,1916 \$ 4,076	(i) \$ (ii) \$ (iii) \$ (6,618 (10,686) 3,830 1,682 2,507 769 (11,456) (634,374)	\$ (13.) \$ (6.) \$ (6.) \$ (7.) \$ (7.) \$ (880.)	897) 889) 405 067) 802) 589 3364) 3364)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07%	MISO and SPP Energy Only
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Wind Co	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailiment	\$ 20,516 \$ (3.797) \$ 425 \$ 4,746 \$ 8,800 \$ 1,916 \$ 1,916 \$ 1,916 \$ 245,990 \$ 245,990 \$ 31,876	is s s s s s s s s s s s s s s s s s s	6,618 (10,686) 3,830 1,682 2,507 769 (11,456) (634,374) GINS	\$ (13.) \$ (6.) \$ (6.) \$ (7.) \$ (880, 1.2) \$ (1.875, 1.2) \$ 73.	897) 889) 405 067) 802) 589 357) 380) 364)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07% -357.89%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Wind Co	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Total Purchases urtailment ased Sales	\$ 20,516 \$ 3.79 \$ 429 \$ 429 \$ 429 \$ 8000 \$ 1,916 \$ 1,916 \$ 1,916 \$ 245,990 [PROTECTED DA1	(i) S (ii) S (iii) S (6,618 (10,686) 3,830 1,682 2,507 769 (11,456) (634,374) GINS	\$ (13.5 (13.6 (13.	887) 889) 405 067) 802) 357) 380) 364)	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07% -357.89% D DATA ENDS] -28.15% -229.45%	MISO and SPP Energy Only
129 130 131 132 133 134 133 134 135 136 137 137 138 139 140 141 142 143 144 145 149 150 151 152 153 154 155	Wind Co	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sad Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtaliment ased Sales Field Costs	\$ 20,516 \$ (3.797) \$ 425 \$ 4.746 \$ 8,000 \$ 1,916 \$ 1,916 \$ 1,916 \$ 245,990 \$ 245,990 \$ 31,876 \$ 31,876 \$ 4,900 \$ 4,561	(i) \$ (ii) \$ (iii) \$ (6,618 (10,686) 3,830 1,682 2,507 769 (11,456) (634,374) 4,787,067 105,016 240,595 205,274	\$ (13.) \$ (6.) \$ (6.) \$ (7.) \$ (880, 6.) \$ (7.) \$ (880, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (7.5 , 6	897) 889) 405 067) 802) 367) 380) 364) 1140 695 7712	-67.74% 181.48% 801.48% -64.58% -30.74% -31.71% 181.07% -357.89% D DATA ENDS] -28.15% -29.45% 4810.10% 4400.14%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
129 130 131 132 133 134 133 134 137 138 139 140 141 142 143 144 145 146 147 147 150 151 152 153	Wind Co	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sad Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtaliment ased Sales Field Costs	\$ 20,516 \$ 3.79 \$ 429 \$ 429 \$ 429 \$ 8000 \$ 1,916 \$ 1,916 \$ 1,916 \$ 245,990 [PROTECTED DA1	(i) \$ (ii) \$ (iii) \$ (6,618 (10,686) 3,830 1,682 2,507 769 (11,456) (634,374) GINS	\$ (13.5 (13.6 (13.	897) 889) 405 067) 802) 367) 380) 364) 1140 695 7712	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07% -357.89% D DATA ENDS] -28.15% -229.45%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
129 130 131 132 133 134 133 134 135 136 137 137 138 139 140 141 142 143 144 145 149 150 151 152 153 154 155	Wind Co	Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges sad Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtaliment ased Sales Field Costs	\$ 20,516 \$ (3.797) \$ 425 \$ 4.746 \$ 8,000 \$ 1,916 \$ 1,916 \$ 1,916 \$ 245,990 \$ 245,990 \$ 31,876 \$ 31,876 \$ 4,900 \$ 4,561	5 S S S S S S S S S S S S S S S S S S S	6,618 (10,686) 3,830 1,682 2,507 769 (11,456) (634,374) 4,787,067 105,016 240,595 205,274	\$ (13.) \$ (6.) \$ (6.) \$ (7.) \$ (880, 6.) \$ (7.) \$ (880, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (1.875, 6.) \$ (7.) \$ (7.5 , 6	897) 405 067) 389) 405 067) 589 367) 380) 670 670 670 670 670 670 670 670 670 670	-67.74% 181.46% 801.48% -64.58% -100.00% 30.74% -31.71% 181.07% -357.89% D DATA ENDS] -28.15% -229.45% 4810.10% 4400.14% 10334.43%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total

^{***} These energy related charge types are reported in Market Purchases

Decider 200								
Part Contention					October 2020	Forecast to Actual -	MWh	
PROTECTED DATA BEGINS.				October 2020	October 2020	Forecast to Actual	Forecast to Actual	
1				Forecast	Actual	Variance MWh	Variance %	Notes
Company				[PROTECTED DATA	A BEGINS			
Montain Process	2		Coyote					
S								Actuals include Hoot Lake #2 and #3 combined
Column			Hoot Lake #3			PROTE	CTED DATA ENDS	
B			Total Coal			23,465	19.19%	
1	7			[PROTECTED DAT.	A BEGINS			
10			Ashtabula Wind					
Total Parison From Printer Do Art Business From Printer								
10			Merricourt			PROTE	OTED DATA ENDO	Merricourt does not come into service until 2020
14			Total Wind	47.100	43.335			
10	14							
17			Total Hydro			(278)	-17.38%	
19			Jamestown 1	[PROTECTED DAT	A BEGINS			
PROTECTED DATA EXISTS 460			Jamestown 2					
PROTECTED DATA BRIDS								
Total Oil - Peaking bints						PROTE	CTED DATA ENDSI	
Autor Section Autor	22		Total Oil - Peaking Units	400	-	(400)	-100.00%	
Astural gas - Astonia Astural Care Astonia Aston			Natural das - Solway	[PROTECTED DAT	A BEGINS			
Total Natural Gas	25		Natural gas - Astoria					Astoria Station does not come into service until 2020
PROTECTED DATA BEGINS	26		-					
20 Solar - Blue Heron	27		Total Natural Gas	4,100	6,212 A BEGINS	2,112	51.50%	
Total Solar	29							
Total Solar	30		Solar - Blue Heron					
33	31		Total Solar		_	PROTE		
36	33							
Wholesale Market Charges			Total OTP-Owned	175,500	196,633	21,133	12.04%	
38 550 C D Asset Energy Amount**	36	Wholes	ale Market Charges					
955.0 QA FET Loss Amount	37		MISO Wholesale Market Charges					
40 555.09 DA Non-asset Energy Amount*** NIA	38	555.02	DA Asset Energy Amount***					
41 555.19 RT Asset Energy Amount** NIA								
43 555.21 RT PET Loss Amount		555.19	RT Asset Energy Amount***					
44								
45 RT Loss Amount								
47 555.08 DA Losses Robate on Option B GFA N/A 45		RT Loss Amount	N/A	N/A	N/A	N/A		
48 555.12 DA VITUAL Energy Amount		555.26	RT Non-Asset Energy Amount***					
50 555.01 DA MKI Admin Amount	48	555.12	DA Virtual Energy Amount	N/A		N/A		
51 555.18 FTR Mkt Admin Amount								
SS	50 51	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
54	52	555.13	FTR Mkt Admin Amount	N/A		N/A		
55 555.2 RT FBT Congestion Amount		555.03	DA FBT Congestion Amount					
Seb		555.2	DA Congestion RT FBT Congestion Amount	N/A N/A				
57 555,14 FTR Hourly Allocation Amount N/A N	56		RT Congestion	N/A	N/A	N/A	N/A	
S9		555.14	FTR Hourly Allocation Amount			N/A		
60 555.39 FTR Multi Jurding Guarantee Amount N/A N		555.17	FTR Yearly Allocation Amount		N/A N/A	N/A N/A		
62 555.37 FTR Quarantee Uplift Amount	60	555.35	FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
63 555.39 FTR Auction Revenue Rights Transaction Amount N/A N/		555.36	FTR Full Funding Guarantee Amount					
64 555.38 FTR Annual Transaction Amount N/A								
66		555.38	FTR Annual Transaction Amount	N/A				
67 555.07 DA Congestion Rebate on Option B GFA N/A								
68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A N/A N/A 72 555.24 RT Price Volatility Make Whole Pymt Amount N/A N/A N/A N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A N/A N/A N/A 74 555.28 RT Misc Amount N/A N/A N/A N/A N/A N/A 75 555.27 RT Net Inadvertent Amount N/A		555.07	DA Congestion Rebate on Option B GFA					
To	68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	N/A	N/A	
T1		555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount					
72 555.42 RT Price Volatility Make Whole Payment N/A 71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	N/A	N/A		
74 555.25 RT Misc Amount N/A	72	555.42	RT Price Volatility Make Whole Payment	N/A	N/A	N/A	N/A	
75	73 74	555.28 555.25	RT Misc Amount	N/A	N/A	N/A	N/A	
76		555.27	RT Net Inadvertent Amount		N/A	N/A	N/A	
78								
79 555.64 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 N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A N/A N/A 82 555.66 RT ASM Excessive Energy Amount*** N/A N/A N/A N/A		555.59 555.63	R1 Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A				
80 555.56 RT Schedule 49 Cost Distribution Amount N/A N/A N/A N/A 81 555.56 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 N/A N/A		555.64	RT Ramp Product	N/A				
82 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A N/A N/A		555.65	RT Schedule 49 Cost Distribution Amount					
		555.55 555.56	RT ASM Fxcessive Energy Amount*** RT ASM Fxcessive Energy Amount***					
	83		DA Congestion Rebate on COGA	N/A	N/A		N/A	

84	555.06	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	N/A	N/A	
86		RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88		·					
89		Total MISO Wholesale Market Charges					
90							
91		SPP Wholesale Market Charges					
92	555 10	DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.19	DA Naset Energy Amount					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102		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	
104	555.08	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	N/A	N/A	
106	555.12	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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
111		RT Pseudo Tie Congestion Amount	N/A	N/A	N/A	N/A	
112	555 O4	RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120		Total of T Thiolocale market onargee					
121		MISO ASM					
122			N/A	N/A	N/A	N/A	
		Day Ahead Regulation Amount					
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
			N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount					
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135		_					
136		Total Wholesale Market Charges					
137							
138							
139	Purchas	sed Power					
140			[PROTECTED DATA	A BEGINS			
141		Edgeley PPA					
142		Langdon PPA					
143		Ashtabula III PPA					
							Not Applicable to EAD. Evaluded from Tet-!
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					
146		Shared Loads					
147		Small Co-gen					
148		Bilateral purchases					
149		Market Purchases					MISO and SPP Energy Only
150					PROTE	CTED DATA ENDS]	
151		Total Purchases	243,800	213,502	(30,298)	-12.43%	Tribal (WAPA) excluded from Total
152			.,	.,	(/===/		` '
153	Wind Co	urtailment		3,253	3,253	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154				0,200	5,200	3.0070	
155	Accot D	ased Sales	200	11,279	11,079	EE20 400/	Credit to MN FCA Calculation - Subtracted from Total
133	ASSEL B	useu Jules	∠00	11,2/9	11,0/9	ეეაუ.40%	
							Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs			-		Based Sales
							Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins					Based Sales
157		Maser paser margins			-		Dascu Gales
	T -1 1-	mton. Blant Lovel	*** ***				Tribul (MARA) and delicate Tatab Assat R
159	l otal Sy	stem - Plant Level	419,100	402,110	(16,990)	-4.05%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Part Description Profession Professi							
Priest Constraint						- \$ per MW	h
Total Court PROTECTED DATA BERNIS. PROTECTED DATA BERNIS.							
Dig Store		B1 / G		Forecast			Notes
Copy Copy		Plant G	eneration Dis Stane	[PROTECTED DATA	A BEGINS		
Host Lake #2							
Hood Lab #5 Total Cost S			Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
Company Triple Company Compa			Hoot Lake #3				
PROTECTED DATA BEGINS PROT							
Legoto Wind			Total Coal	\$ 23.45	\$ 24.29		
Antibodie World				[PROTECTED DATA	A BEGINS		
10 Leorer Wind			Ashtabula Wind				
More More	10						
POTECTED DATA BROSS							Merricourt does not come into service until 2020
Total Hydro					PROTECTED DA	TA ENDS]	
Total Natural Case Social Plant PROTECTED DATA SEGURS	13		Total Wind	\$ -	\$ -		
			Total Hydro	\$ -			
			lameetown 1	[PROTECTED DATA	A BEGINS		
List Preston							
Figure Control Center							
Total Off-Peaking Units Security Secur	20						
PROTECTED DATA BEGONS					.PROTECTED DA	TA ENDS]	
Autority ages - Autority age			Total Oil - Peaking Units	\$ 68.25	\$ -		
Natural gas - Astoria PROTECTED DATA EMOS		-	Natural gae Solway	LPROTECTED DATA	A BEGINS	-	
Total Natural Gas 32.49 3		-			+		Astoria Station does not come into service until 2020
Total Natural Gas \$ 2.4 8 2.0.13			riatara gao riotofia		PROTECTED DA	TA ENDS1	A SOUTH STATES THE COUNTY HITE SELVICE WHILE ZOZO
PROTECTED DATA BECINIS Solar - Blue Jay PROTECTED DATA ENDS PROTECTED DATA ENDS	27		Total Natural Gas	\$ 22.49	\$ 20.83		
Solar - Plane Heron	28			[PROTECTED DATA	A BEGINS		
Total Sola Total Sola S			Solar - Blue Jay				
Total OTP-Owner S			Solar - Blue Heron		DDOTEOTER 5	TA ENDS:	
			Total Salar			I A ENDS]	
Total OTP-Owned \$ 114.19 \$ 45.13			Total Solar	• -	• -		
			Total OTP-Owned	\$ 114.19	\$ 45.13		
Molesale Market Charges			Total of T owned	114.10	40.10		
85.50.2 DA Asset Energy Amount**	36	Wholes	ale Market Charges				
95.50.4 DA FBT Loss Amount							
		555.02	DA Asset Energy Amount***				
155.19 RT Asset Energy Amount** 255.21 RT F98T Loss Amount NA		555.04	DA Nen agest Energy Amount***				
155.24 RT Distribution of Losses Amount		555.09	DA Non-asset Energy Amount***				
145		555.21	RT FBT Loss Amount				
555.26 RT Non-Asset Energy Amount NA NA NA			DA Loss Amount		N/A		
47			RT Loss Amount				
		555.26	RT Non-Asset Energy Amount***				
955.32 RT Virtual Energy Amount							
		555.12	DA Virtual Energy Amount				
555.18 RT Mix Admin Amount		555.32	KT VIRtual Energy Amount DA Mkt Admin Amount			-	
Section Sect		555.01	DA MKI Admin Amount DT Mkt Admin Amount				
DA Congestion Amount		555.03	DA FBT Congestion Amount	N/A	N/A		
55 S55.2 RT Congestion Amount N/A	54		DA Congestion	N/A	N/A		
555.14 FTR Houlty Allocation Amount N/A N/A		555.2	RT FBT Congestion Amount				
555.15 FTR Monthly Allocation Amount			RT Congestion				
555.17 FTR Yearly Allocation Amount							
555.36 TR Monthly Transaction Amount		555.15	FIR Monthly Allocation Amount			-	
555.36 FTR Full Funding Guarantee Amount		555.17	FTR Monthly Transaction Amount			-	
S55.37 FTR Guarantee Uplift Amount							
555.39 FTR Auction Revenue Rights Transaction Amount		555.37	FTR Guarantee Uplift Amount				
S55.38 FTR Annual Transaction Amount N/A N/A N/A		555.39	FTR Auction Revenue Rights Transaction Amount				
555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A		555.38	FTR Annual Transaction Amount	N/A	N/A		
		555.40	FTR Auction Revenue Rights Infeasible Uplift Amount				
555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A	66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A		
69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 72 555.42 RT Price Volatility Make Whole Payment N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 74 555.26 RT Misc Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A 77 555.99 RT Demand Response Allocation Uplift Amount N/A N/A 78 556.30 DA Ramp Product N/A N/A 79 555.64 RT Ramp Product N/A N/A 80 555.55 RT Ashdule 49 Cost Distribution Amount N/A N/A 81 555.55 RT Ash Mon-Excessive Energy Amount**** N/A <td< td=""><td></td><td>555.07</td><td>DA Congestion Rebate on Option B GFA</td><td></td><td></td><td></td><td></td></td<>		555.07	DA Congestion Rebate on Option B GFA				
		555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A		-	
1						-	
		555.3	RT Revenue Sufficiency Guarantee Make Whole Pvmt Amount				
	72	555.42	RT Price Volatility Make Whole Payment				
74 555.26 RT Misc Amount N/A		555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
76 555.31 RT Uninstructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.63 DA Ramp Product N/A N/A 79 555.64 RT Ramp Product N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.69 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A	74	555.25	RT Misc Amount	N/A	N/A		
77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A							
78 555.83 DA Ramp Product N/A N/A 79 555.64 RT Ramp Product N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A		555.31	RT Uninstructed Deviation Amount				
79 555.64 RT Ramp Product N/A N/A							
80 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A		555.64	DA Ramp Product			-	
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		555.65	RT Schedule 49 Cost Distribution Amount				
82 555.56 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A							
83 555.05 DA Congestion Rebate on COGA N/A N/A	82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
84 555.06 DA Losses Rebate on COGA N/A N/A		555.05	DA Congestion Rebate on COGA	N/A	N/A		
	84	555.06	DA Losses Rebate on COGA	N/A	N/A		

					,	
85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93	555.03	DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
103	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		RT Regulation-Down Distribution Amount	N/A	N/A		
107		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	l	
110	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A	N/A		
113		Miscellaneous Amount	N/A	N/A N/A		
114	555.20	ARR Closeout Yearly Amount	N/A	N/A		
115	555.20	RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A N/A	N/A N/A	-	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A N/A		
118	555.22	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
	555.27		N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137						
138						
139	Purchas	sed Power				
140			[PROTECTED DATA	BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DA	TA ENDS1	
151		Total Purchases	\$ 27.33	\$ 22.42		Tribal (WAPA) excluded from Total
152						` '
153	Wind C	urtailment	N/A	\$ 32.28		
154				. 52.20		
155	Asset F	ased Sales	\$ 24.50	\$ 21.33	l	
	. 10001 L			1.00	l	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A	1	Based Sales
100		1 401 00010	IN/A	IN/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A	1	Based Sales
158		nasot pasca maryllis	IN/A	IN/A		Dasou Gaica
158	Total C	ystem - Plant Level	\$ 23.68	\$ 19.14		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
1 109	rotal S	Stein - Flailt Level	φ 23.68	19.14 پ		imbai (www.n.) excluded from Total, waset based Sales subtracted from Total

ĺ			Novembe	er 2020 Foreca	ast to	o Actual - Expen	se (Revenue)	
			November 2020	November 20		Forecast to Actual Variance	Forecast to	
			Forecast	Actual	020	\$	%	Notes
Line		eneration Dis Stane	[PROTECTED DATA	BEGINS	_			
2		Big Stone Coyote						
3		Hoot Lake #2						Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3				PPOTECT	ED DATA ENDS]	
6		Total Coal	\$ 4,469,793	\$ 3,779,7	745	\$ (690,048)	-15.44%	
7			[PROTECTED DATA	BEGINS				
8 9		Langdon Wind Ashtabula Wind						
10		Luverne Wind						
11 12		Merricourt				PROTECT	ED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	\$ -	\$	-	\$ -	0.00%	
14								
15 16		Total Hydro	FROTECTED DATA		-	\$ -	0.00%	
17		Jamestown 1	[1.10.120.120.0111	, DEGINOIII				
18 19		Jamestown 2 Lake Preston						
20		Fergus Control Center						
21							ED DATA ENDS]	
22		Total Oil - Peaking Units	\$ 27,300 [PROTECTED DATA	\$ 15,0 REGINS	005	\$ (12,295)	-45.04%	
24		Natural gas - Solway						
25		Natural gas - Astoria		-	4	DDOTECT	ED DATA ENDS]	Astoria Station does not come into service until 2020
26 27		Total Natural Gas	\$ 23,600	\$ 35.0	075	\$ 11,475	48.62%	
28			[PROTECTED DATA			, ,,,,,		
29 30		Solar - Blue Jay Solar - Blue Heron			-			
31		Solal - Blue Heloli				PROTECT	ED DATA ENDS]	
32		Total Solar	\$ -	\$	-	\$ -	0.00%	
33 34		Total OTP-Owned	\$ 4,520,693	\$ 3,829,8	825	\$ (690,869)	-15.28%	
35			4,020,000	V 0,020,0		(000,000)	10.2070	
36 37	Wholes	ale Market Charges MISO Wholesale Market Charges						
38	555.02	DA Asset Energy Amount***	\$ -	\$	-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$ -		_	\$ -	0.00%	
40 41	555.09 555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***		\$	-	\$ - \$ -	0.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (178,431)		388)	\$ 32,043	-17.96%	Energy / amounts amounts and and an amount amounts and amounts are amounts and amounts and amounts are amounts and amounts and amounts and amounts are amounts and amounts and amounts are amounts and amounts and amounts are amounts and amounts and amounts are amounts and amounts and amounts are amounts and amounts and amounts are amounts and amounts are amounts and amounts are amounts and amounts are amounts and amounts are amounts and amounts are amounts and amounts are amounts are amounts and amounts are amounts and amounts are amounts are amounts and amounts are amounts and amounts are amounts are amounts and amounts are amounts are amounts and amounts are amounts are amounts are amounts are amounts and amounts are amounts are amounts are amounts are amounts and amounts are amounts are amounts are amounts are amounts are
43 44	555.21	RT FBT Loss Amount DA Loss Amount	\$ - \$ 469,478		-	\$ - \$ (111.079)	0.00%	
45		RT Loss Amount	\$ 27,460			\$ 31,441	114.50%	
46	555.26	RT Non-Asset Energy Amount***	\$ -		-	\$ -		Energy Amounts - included/embedded within Market Purchases
47 48	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount		\$	-	\$ - \$ -	0.00%	
49	555.32	RT Virtual Energy Amount	\$ -	\$		\$ -	0.00%	
50 51		DA Mkt Admin Amount RT Mkt Admin Amount	\$ 80,415 \$ 10,611		144 510	\$ (18,271) \$ (4,101)		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	\$ 1,245		195	\$ 950	76.33%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$ -	\$	-	\$ -	0.00%	
54 55	555.20	DA Congestion RT FBT Congestion Amount	\$ 132,316 \$ -	\$ 241,6	561	\$ 109,345 \$	82.64% 0.00%	
56		RT Congestion	\$ 12,634	\$ 135,6		\$ 123,034	973.84%	
57	555.14	FTR Hourly Allocation Amount	\$ (174,621)			\$ (567,888)	325.21%	
58 59	555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (11,903) \$ (3,272)	\$ (17,5	-	\$ (5,675) \$ 3,272	47.68% -100.00%	
60	555.35	FTR Monthly Transaction Amount	\$ (8,204)	\$	-	\$ 8,204	-100.00%	
61 62	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 2,907 \$ (3,177)			\$ (31,236) \$ 25,601	-1074.50% -805.76%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (240,001)	\$ (406,1	165)	\$ (166,164)	69.23%	
64	555.38	FTR Annual Transaction Amount	\$ 240,025 \$ 7,994	\$ 398,7		\$ 158,740	66.13% -81.81%	
65 66		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 7,994 \$ (13,026)		455 584)	\$ (6,540) \$ (19,558)	-81.81% 150.15%	
67	555.07	DA Congestion Rebate on Option B GFA	\$ -	\$	- 1	\$ -	0.00%	
68 69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 18,200 \$ (16,328)		382 719)	\$ (5,818) \$ 13,609	-31.97% -83.35%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 18,6	684	\$ (12,028)	-39.16%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (26,781)	\$	-	\$ 26,781	-100.00%	
72 73			\$ (21,088) \$ 60,288	\$ (11,2 \$ 75.1		\$ 9,831 \$ 14.830	-46.62% 24.60%	
74	555.25	RT Misc Amount	\$ 18,489	\$ 2	282	\$ (18,206)	-98.47%	
75 76	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 2,543 \$ -	\$ (1,5 \$	576)	\$ (4,118)	-161.97% 0.00%	
77		RT Demand Response Allocation Uplift Amount		\$	(1)	\$ -	0.00%	
78	555.63	DA Ramp Product	\$ (2,677)		118)	\$ 2,259	-84.38%	
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ (57) \$ -		121 900	\$ 178 \$ 4,900	-312.93% 0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
81	555.55	RT ASM Non-Excessive Energy Amount***			-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
82	555.56	RT ASM Excessive Energy Amount***		\$	- 7	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05				-	\$ -	0.00%	

	eee 00		•	-			0.000/	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ - \$ -	\$	-	\$ -	0.00%	
86		RT Loss Rebate on COGA	\$ - \$ -	\$		\$ - \$ -	0.00%	
87	333.23	Net Congestion and Losses Adjustment & No DA Generation Schedule		\$		\$ 1,737	0.00%	
88		Net Congestion and Losses Adjustment & No DA Generation Schedule	φ -	φ	1,737	9 1,737	0.0076	
89		Total MISO Wholesale Market Charges	\$ 323,478	s	(59,028)	\$ (382,506	118 25%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		Total mico Wildesale market olial ges	¥ 525,476	-	(55,020)	\$ (50 <u>2</u> ,500	-110.2070	Total Excludes conedule to and 17 (Ellies 40, 41, 42 Above)
91		SPP Wholesale Market Charges						
92		DA Asset Energy Amount***	\$ -	\$	-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$ -	\$		\$ -	0.00%	Enorgy / another included on boaded water market i distributed
94	555.09	RT Asset Energy Amount***	\$ -	\$		\$ -		Energy Amounts - included/embedded within Market Purchases
95		RT Non-Asset Energy Amount	\$ -	\$		\$ -	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount		\$	-	\$ (15		
97				\$ \$	396	\$ 253		
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$	-	\$ -	0.00%	
99			\$ 85		139	\$ 53		
100				\$		\$ 36	358.56%	
101				\$		\$ 74		
102	555.06			\$	98	\$ 80	446.40%	
103	555.07	DA Supplemental Reserve Distribution Amount		\$	10	\$ 8	394.67%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1) \$	(0)	\$ 1	-76.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (10,741) \$	(12,152)	\$ (1,411) 13.14%	
106		RT Regulation-Down Distribution Amount) \$	(0)			
107) \$	(0)			
108	555.14	RT Regulation-Up Distribution Amount	\$ (1) \$	(2)	\$ (1		
109		RT Spinning Reserve Distribution Amount) \$	(0)	\$ (0		
110		RT Supplemental Reserve Distribution Amount) \$		\$ 0		
111		RT Pseudo Tie Congestion Amount	\$ (24,866			\$ (133,123		
112		RT Pseudo Tie Loss Amount	\$ (16,276		(19,587)			
113		Miscellaneous Amount) \$	(1)			
114		ARR Closeout Yearly Amount		\$		\$ -	0.00%	
115		RT Demand Reduction Distribution Amount	\$ -		(0)	\$ (0		
116		DA GFA Carve Out Distribution Deployment Daily Amount) \$	59	\$ 59		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$	(0)	\$ (0		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$		\$ -	0.00%	
119		Total SPP Wholesale Market Charges	\$ (51,612	2) \$	(188,900)	\$ (137,288) 266.00%	
120		MICO ACM		-				
121		MISO ASM	e (40.000		(00,000)	¢ (F0.400	540.540/	
122		Day Ahead Regulation Amount	\$ (10,696 \$ 1,661	5) \$		\$ (58,139		
123 124		Real Time Regulation Amount						
						\$ 8,868		
		Regulation Cost Distribution Amount	\$ 18,777	\$	18,520	\$ (257	-1.37%	
125		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount	\$ 18,777 \$ (26,149	\$	18,520 (13,839)	\$ (257 \$ 12,310) -1.37% -47.08%	
125 126		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount	\$ 18,777 \$ (26,149 \$ 5,661	\$ 9) \$ \$	18,520 (13,839) 3,880	\$ (257 \$ 12,310 \$ (1,781) -1.37% -47.08%) -31.46%	
125 126 127		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420	\$ (\$) (\$) (\$) (\$) (\$) (\$) (\$) (\$) (\$) (\$	18,520 (13,839) 3,880 10,318	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102) -1.37% -47.08%) -31.46%) -46.87%	
125 126 127 128		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420 \$ (1,481	(\$ () \$ () \$ () \$	18,520 (13,839) 3,880 10,318 (8,978)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497) -1.37% -47.08%) -31.46%) -46.87%) 506.04%	
125 126 127 128 129		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420 \$ (1,481 \$ 564	() \$ () \$ () \$ () \$ () \$	18,520 (13,839) 3,880 10,318 (8,978) 3,120	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556) -1.37% -47.08%) -31.46%) -46.87%) 506.04% 452.92%	
125 126 127 128 129 130		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420 \$ (1,481 \$ 564 \$ 2,726	() \$ () \$ () \$ () \$ () \$ () \$ () \$	18,520 (13,839) 3,880 10,318 (8,978) 3,120	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089) -1.37% -47.08%) -31.46%) -46.87%) 506.04% 452.92%) -39.96%	
125 126 127 128 129 130		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420 \$ (1,481 \$ 5544 \$ 2,726 \$ 802	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802) -1.37% -47.08%) -31.46%) -46.87%) 506.04% 452.92%) -39.96%	
125 126 127 128 129 130 131		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Carbount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ (1,481) \$ 564 \$ 2,726 \$ 802 \$ 1,918	\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - 5,357	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439) -1.37% -47.08%) -31.46%) -46.87%) 506.04% -452.92%) -39.96%) -100.00%	
125 126 127 128 129 130 131 132		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420 \$ (1,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126	\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - 5,357 196	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929	1.37% -47.08% -47.08% -31.4687% -506.04% -452.92% -39.96% -100.00% -79.36% -82.57%	
125 126 127 128 129 130 131 132 133 134		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Carbount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 18,777 \$ (26,149 \$ 5,661 \$ 19,420 \$ (1,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126	\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$ (\$	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - 5,357 196	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439	1.37% -47.08% -47.08% -31.4687% -506.04% -452.92% -39.96% -100.00% -79.36% -82.57%	
125 126 127 128 129 130 131 132 133 134 135		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 18,777 \$ (26,148) \$ 5,661 \$ 19,420 \$ (1,481) \$ 5,684 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - 5,357 196 (38,095)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ 18,777 \$ (26,148) \$ 5,661 \$ 19,420 \$ (1,481) \$ 5,684 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - 5,357 196	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ 18,777 \$ (26,148) \$ 5,661 \$ 19,420 \$ (1,481) \$ 5,684 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - 5,357 196 (38,095)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 137		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	\$ 18,777 \$ (26,148) \$ 5,661 \$ 19,420 \$ (1,481) \$ 5,684 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 136 137 138 139 140		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cast Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cast Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 136 137 138 139 140		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Mholesale Market Charges Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Reat Time Spinning Reserve Amount Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Reat Time Supplemental Reserve Amount Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 142		Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Dost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 128 127 128 129 130 131 132 133 134 135 136 137 137 140 141 142 143 144 144		Regulation 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 Contingency Reserve Deployment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	
125 126 127 128 129 130 131 132 133 134 135 136 137 139 140 141 142 144 144 145 146 147	Purchas	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Secsesive Defloident Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,089 \$ (802 \$ 3,439 \$ (929 \$ (52,423	1.37% -47.08% -47.08% 1.31.46% 1.31.46% 1.506.04% 452.92% 1.509.06% 1.79.36% 1.79.36% 1.32.57% 1.365.89%	Not Applicable to EAR - Excluded from Total
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	Purchas	Regulation 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 Contingency Reserve Deployment Failure Charge Amount Real Time Supsessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Small Cogen	\$ 18,777 \$ (26,149) \$ 5,661 \$ 19,420 \$ 11,481 \$ 564 \$ 2,726 \$ 802 \$ 1,918 \$ 1,126 \$ 14,328	() () () () () () () () () ()	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102) \$ (7,497 \$ 2,556 \$ (1,088) \$ (30,498) \$ (32,498) \$ (52,423) \$ (572,217	1-1.37% -47.08% -47.08% -1.31.48% -1.48.7% -1.48.7% -1.506.04% -1.	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 142 144 145 146 147 148 149	Purchas	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cast Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Seed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases Market Purchases Market Purchases	\$ 18,777 \$ (26,144) \$ 5,661 \$ 5,661 \$ 19,422 \$ (1,481) \$ 25,64 \$ 1,126 \$ 14,328 \$ 1,126 \$ 14,328	() S () S	18.520 (13.839) 3.880 10.318 (8.978) 3.120 1.637 1.537 1.96 (38.095) (286,023)	\$ (257 \$ 12.310 \$ (1.781 \$ (1.781) \$ (7.497) \$ 2.566 \$ (1.089) \$ (802) \$ (802) \$ (52,423) \$ (572,217)	1-1-37% -47-08% -47-08% -31-48% -31-48% -46-87% -50-00% -39-96% -100.00% -179-36% -39-96% -199-94%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 149 150	Purchas	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Secsesive Defloident Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases	\$ 18,777 \$ (26,144) \$ 5,661 \$ 5,661 \$ 19,422 \$ (1,481) \$ 25,64 \$ 1,126 \$ 14,328 \$ 1,126 \$ 14,328	() S () S	18,520 (13,839) 3,880 10,318 (8,978) 3,120 1,637 - - 5,357 196 (38,095) (286,023)	\$ (257 \$ 12.310 \$ (1.781 \$ (1.781) \$ (7.497) \$ 2.566 \$ (1.089) \$ (802) \$ (802) \$ (52,423) \$ (572,217)	1-1-37% -47-08% -47-08% -31-48% -31-48% -46-87% -50-00% -39-96% -100.00% -179-36% -39-96% -199-94%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 148 149 150	Purchas	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	\$ 18,777 \$ (26,144) \$ 5,5661 \$ 19,420 \$ (1,481) \$ 2,726 \$ 800 \$ 1,1481 \$ 1,126 \$ 14,328 \$ 1,126 \$ 14,328 \$ 286,194	(S S S S S S S S S S S S S S S S S S S	18.520 (13.839) 3.880 10.318 (8.978) 3.120 1.637 1.537 1.96 (38.095) (286,023) (286,023)	\$ (257 \$ 12,300 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,068 \$ (802 \$ 3,439 \$ (822 \$ (52,423 \$ (572,217	1-1-37% -47.0% -47.0% -47.0% -47.0% -48.27% -506.04% -452.92% -100.00% -179.36% -39.96	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
125 126 126 127 128 130 131 132 133 134 135 136 137 137 140 141 142 143 144 145 147 148 149 150 151	Purchas	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cast Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Seed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billsteral purchases Market Purchases Market Purchases	\$ 18,777 \$ (26,144) \$ 5,661 \$ 5,661 \$ 19,422 \$ (1,481) \$ 25,64 \$ 1,126 \$ 14,328 \$ 1,126 \$ 14,328	(S S S S S S S S S S S S S S S S S S S	18.520 (13.839) 3.880 10.318 (8.978) 3.120 1.637 1.537 1.96 (38.095) (286,023)	\$ (257 \$ 12,300 \$ (1,781 \$ (9,102 \$ (7,497 \$ 2,556 \$ (1,068 \$ (802 \$ 3,439 \$ (822 \$ (52,423 \$ (572,217	1-1-37% -47.0% -47.0% -47.0% -47.0% -48.27% -506.04% -452.92% -100.00% -179.36% -39.96	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 148 149 150 151 152 153	Purchas Wind Co	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Day Ahead Supplemental Reserve Amount Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso AsM Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA Ashlabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	\$ 18,777 \$ (26,148) \$ (26,148) \$ 5,666 \$ 19,420 \$ (1,481) \$ 564 \$ 2,726 \$ 802 \$ 1,126 \$ 14,328 \$ 286,194 [PROTECTED DAT	(S S S S S S S S S S S S S S S S S S S	18.520 (13.389) 3.880 10.318 (5.978) 3.120 1.637 1.537 196 (38.095) (286,023) (4490,152	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102) \$ (7,497 \$ 2,556 \$ (10,689 \$ (802) \$ (822) \$ (52,423) \$ (572,217	1-1.37% -47.08% -47.08% -47.08% -47.08% -48.27% -506.04% -452.92% -100.00% -199.94% -100.00% -199.94% -100.00% -39.96%	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total
125 126 126 127 128 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 147 148 149 150 151	Purchas Wind Co	Regulation Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Lost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tinbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Total Purchases urtailment ased Sales	\$ 18,777 \$ (26,144) \$ 5,561 \$ 19,422 \$ 1,481 \$ 27,64 \$ 14,328 \$ 14,328 \$ 286,194 \$ 5,192,000 \$ 2,726 \$ 2,726 \$ 1,126	(18,520 (13,389) 3,880 10,318 (8,978) 3,120 1,637 196 (38,095) (286,023) (286,023) (38,095) (4,490,152 33,016	\$ (257 \$ 12.310 \$ (1.781 \$ (9.102 \$ (7.472) \$ 2.556 \$ (1.089 \$ (802) \$ (929) \$ (52,423 \$ (572,217	1-1-37% -47.08% -47.08% -47.08% -47.08% -48.67% -46.67% -45.29% -100.00% -179.39% -199.94% -1	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
125 126 127 128 129 130 131 132 133 134 135 139 137 138 139 140 141 142 143 144 145 146 147 148 149 150 150 151 152	Purchas Wind Co	Regulation 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 Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment saed Sales Fuel Costs	\$ 18,777 \$ (26.14) \$ 5,661 \$ 19,420 \$ (1.48) \$ 5,764 \$ 2,725 \$ 802 \$ 1,126 \$ 14,328 \$ 248,194 \$ 286,194 \$ 2,754 \$ 2,754 \$ 2,754 \$ 2,754 \$ 3,754 \$ 3,75	(S	18.520 (13.839) 3.880 10.318 (8.978) 3.120 1.637 196 (286,023) (286,023) (286,023) 4,490,152 33,016 736,073	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102) \$ (7,497 \$ 2,556 \$ (10,089 \$ (802) \$ (52,423) \$ (572,217	1-1.37% -47.08% -47.08% -47.08% -47.08% -48.27% -506.04% -45.22% -100.00% -179.36% -39.96% -39.96% -39.96% -39.96% -39.94% -39	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
125 126 127 128 129 130 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 149 150 151 152 153	Purchas Wind Co	Regulation 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 Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges and Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases trailment asad Sales Fuel Costs	\$ 18,777 \$ (26,144) \$ 5,561 \$ 19,422 \$ 1,481 \$ 27,64 \$ 14,328 \$ 14,328 \$ 286,194 \$ 5,192,000 \$ 2,726 \$ 2,726 \$ 1,126	(S	18,520 (13,389) 3,880 10,318 (8,978) 3,120 1,637 196 (38,095) (286,023) (286,023) (38,095) (4,490,152 33,016	\$ (257 \$ 12.310 \$ (1.781 \$ (9.102 \$ (7.472) \$ 2.556 \$ (1.089 \$ (802) \$ (929) \$ (52,423 \$ (572,217	1-1.37% -47.08% -47.08% -47.08% -47.08% -48.27% -506.04% -45.22% -100.00% -179.36% -39.96% -39.96% -39.96% -39.96% -39.94% -39	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
125 126 127 128 129 130 131 132 133 134 135 139 139 140 141 142 143 144 145 146 147 148 149 150 151 152	Purchas Wind Co	Regulation 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 Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Contingency Reserve Deployment Failure Charge Amount Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges Sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment saed Sales Fuel Costs	\$ 18,777 \$ (26.14) \$ 5,661 \$ 19,420 \$ (1.48) \$ 5,764 \$ 2,725 \$ 802 \$ 1,126 \$ 14,328 \$ 248,194 \$ 286,194 \$ 2,754 \$ 2,754 \$ 2,754 \$ 2,754 \$ 3,754 \$ 3,75	7 S S S S S S S S S S S S S S S S S S S	18.520 (13.839) 3.880 10.318 (8.978) 3.120 1.637 196 (286,023) (286,023) (286,023) 4,490,152 33,016 736,073	\$ (257 \$ 12,310 \$ (1,781 \$ (9,102) \$ (7,497 \$ 2,556 \$ (10,089 \$ (802) \$ (52,423) \$ (572,217	1-1.37% -47.08% -47.08% -47.08% -47.08% -47.08% -48.27% -506.04% -45.22% -39.96% -100.00% -179.36% -38.58% -39.46% -139.94% -3	Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				November 2020	Forecast to Actual	- MWh	
			November 2020	November 2020	Forecast to Actual	Forecast to Actual	
Line	Plant G	eneration	Forecast [PROTECTED DATA	Actual A REGINS	Variance MWh	Variance %	Notes
1		Big Stone	[I KOTEOTED DATA	DEGINO			
2		Coyote					Astronomic Institute I I and I I I I I I I I I I I I I I I I I I I
3		Hoot Lake #2 Hoot Lake #3					Actuals include Hoot Lake #2 and #3 combined
5						CTED DATA ENDS]	
6 7		Total Coal	196,400 [PROTECTED DAT	183,281	(13,119)	-6.68%	
8		Langdon Wind	[PROTECTED DAT	A BEGINS			
9		Ashtabula Wind					
10		Luverne Wind Merricourt					Merricourt does not come into service until 2020
12		Merricourt			PROTE	CTED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	88,100	66,305	(21,795)	-24.74%	
14 15		Total Hydro	1,600	1,732	132	8.24%	
16		Total nyuro	[PROTECTED DAT		132	0.2476	
17		Jamestown 1					
18 19		Jamestown 2					
20		Lake Preston Fergus Control Center					
21						CTED DATA ENDS]	
22		Total Oil - Peaking Units	600 [PROTECTED DAT	- A DECINE	(600)	-100.00%	
23 24		Natural gas - Solway	[PROTECTED DAT	A DEGINS			
25		Natural gas - Astoria					Astoria Station does not come into service until 2020
26 27		Total National Con	900	4 200	PROTE	CTED DATA ENDS] 42.18%	
28		Total Natural Gas	[PROTECTED DAT	1,280 A BEGINS	380	42.18%	
29		Solar - Blue Jay					
30		Solar - Blue Heron			PROTE	CTED DATA ENDS]	
31		Total Solar		3	PROTE	0.00%	
33							
34 35		Total OTP-Owned	287,600	252,601	(34,999)	-12.17%	
36	Wholes	ale Market Charges					
37		MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	N/A	N/A	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	N/A N/A	N/A N/A	
41	555.19	RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
42	555.24	RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
45		RT Loss Amount	N/A	N/A	N/A	N/A	
46 47	555.26	RT Non-Asset Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A	
47		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		N/A N/A	
49	555.32	RT Virtual Energy Amount	N/A	N/A	N/A	N/A	
50		DA Mkt Admin Amount	N/A	N/A	N/A	N/A	
51 52	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
53	555.03	DA FBT Congestion Amount	N/A	N/A	N/A	N/A	
54		DA Congestion	N/A	N/A	N/A	N/A	
55 56	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
57	555.14	FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
58	555.15	FTR Monthly Allocation Amount	N/A	N/A	N/A	N/A	
59 60	555.17	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A	N/A	N/A	
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A	N/A	N/A	
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
65		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	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	N/A N/A	N/A N/A	
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	N/A N/A	N/A N/A	
70	555.29	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	N/A N/A	N/A N/A	
73	555.28	RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
74	555.25	RT Misc Amount	N/A	N/A	N/A	N/A	
75 76	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
76		RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
78	555.63	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	N/A N/A	N/A N/A	
80		RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
82	555.56	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	555.06	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	N/A	N/A	
86		RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
88		•					
89		Total MISO Wholesale Market Charges					
90							
91		SPP Wholesale Market Charges					
92	555 10	DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
	555.19	DA Noset Energy Amount					
93		DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	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	N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A	N/A	
100		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	N/A	N/A	
102		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	
104	555.08	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	N/A	N/A	
106	555.12	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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
111		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	N/A	N/A	
113		Miscellaneous Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
114		ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges					
120							
121		MISO ASM					
122			N/A	N/A	N/A	N/A	
		Day Ahead Regulation Amount					
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126		Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
			N/A	N/A	N/A	N/A	
132		Real Time Excessive Deficient Energy Deployment Charge Amount					
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		Total MISO ASM					
135							
136		Total Wholesale Market Charges					
137							
138							
139	Purchas	sed Power					
140			[PROTECTED DATA	A BEGINS			
141		Edgeley PPA	-				
142		Langdon PPA					
143		Ashtabula III PPA					
							Not Applicable to EAD. Evaluded from Tetal
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance					
146		Shared Loads					
147		Small Co-gen					
148		Bilateral purchases					
149		Market Purchases					MISO and SPP Energy Only
150					PROTE	CTED DATA ENDS]	* '
151		Total Purchases	179,400	343,315	163,915	91.37%	Tribal (WAPA) excluded from Total
152			.,,	,	,	. 1517,	` '
153	Wind Co	ırtailment		1,031	1,031	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154			-	1,001	1,001	0.00 /6	2.2. 1.2. 1.3. 1.3. 1.3. 1.3. 1.3. 1.3.
155	Accot D	ased Sales	700	37,189	36,489	E242 770/	Credit to MN FCA Calculation - Subtracted from Total
133	ASSEL B	useu Jules	700	31,189	30,489	5414.//%	
							Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs			-		Based Sales
							Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins					Based Sales
157		Asset pased margins			-		Dascu Saics
	T -1 1-	nton Plant Lovel	*** ***				Talked (MADA) washed at from Talek Assaul C. 10.1
159	l otal Sy	stem - Plant Level	466,300	559,758	93,458	20.04%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			November 2020 I	orecast to Actua	I - \$ per M\	Wh
			November 2020			
			Forecast	Actual		Notes
Line	Plant G	eneration	[PROTECTED DATA	A BEGINS		
1		Big Stone				
2		Coyote Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
5		Floor Lane #0		PROTECTED DA	TA ENDS1	
6		Total Coal	\$ 22.76	\$ 20.62		
7			[PROTECTED DATA	A BEGINS		
8		Langdon Wind				
9		Ashtabula Wind				
10		Luverne Wind				Manufactural description of the control of the cont
11		Merricourt		PROTECTED DA	TA ENDS1	Merricourt does not come into service until 2020
13		Total Wind		\$ -	IA ENDO	
14			*	-		
15		Total Hydro	\$ -	\$ -		
16			[PROTECTED DATA	A BEGINS		
17		Jamestown 1				
18		Jamestown 2				
19 20		Lake Preston			-	
20		Fergus Control Center		PROTECTED DA	TA FNDS1	
22		Total Oil - Peaking Units	\$ 45.50	\$ -	[1100]	
23			[PROTECTED DATA	A BEGINS		
24		Natural gas - Solway				
25		Natural gas - Astoria			L	Astoria Station does not come into service until 2020
26		—		PROTECTED DA	TA ENDS]	
27 28		Total Natural Gas	\$ 26.22 [PROTECTED DATA	\$ 27.41	-	
28		Solar - Blue Jay	[FKO IEC IED DATA	A DEGINO	-	
30		Solar - Blue Heron				
31				PROTECTED DA	TA ENDS1	
32		Total Solar	\$ -	\$ -		
33						
34		Total OTP-Owned	\$ 94.48	\$ 48.03		
35						
36	Wholes	ale Market Charges				
37 38	EEE 02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
39		DA FBT Loss Amount	N/A	N/A		
40	555.09	DA Non-asset Energy Amount***	N/A	N/A		
41	555.19	RT Asset Energy Amount***	N/A	N/A		
42	555.24	RT Distribution of Losses Amount	N/A	N/A		
43	555.21	RT FBT Loss Amount	N/A	N/A		
44		DA Loss Amount	N/A	N/A		
45		RT Loss Amount	N/A N/A	N/A		
46 47	555.20	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
48	555.00	DA Virtual Energy Amount	N/A N/A	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		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	JJJ.Z	RT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60	555.35	FTR Monthly Transaction Amount	N/A	N/A		
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
63	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual 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	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
72		RT Price Volatility Make Whole Payment	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 N/A		
76		RT Uninstructed Deviation Amount	N/A	N/A		
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.63	DA Ramp Product	N/A	N/A		
79	555.64	RT Ramp Product	N/A	N/A		
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81 82	555.55	RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
82	555.56 555.0F	RT ASM Excessive Energy Amount*** DA Connection Relate on COGA	N/A N/A	N/A N/A	-	
84		DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
	000.00	D. I. Eddood Mobale on OOOM	IN/A	IN/A		

85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		T				
89		Total MISO Wholesale Market Charges				
90		ODD Whater to Market Observes				
91	FFF 40	SPP Wholesale Market Charges	N/A	N/A		
92 93	555.19	DA Asset Energy Amount***				
		DA Non-asset Energy Amount	N/A	N/A		
94		RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96		DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98		RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99		RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100		DA Regulation-Down Distribution Amount	N/A	N/A		
101	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		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		RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113		Miscellaneous Amount	N/A	N/A		
114		ARR Closeout Yearly Amount	N/A	N/A		
115		RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137						
138	Do :					
139	Purchas	sed Power	IDDOTECTO D.	PEOING		
140		Education DDA	[PROTECTED DATA	A BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DAT	A ENDS]	
151		Total Purchases	\$ 28.94	\$ 13.08		Tribal (WAPA) excluded from Total
152						
153	Wind C	urtailment	N/A	\$ 32.02		
154						
155	Asset B	ased Sales	\$ 27.00	\$ 19.79		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A		Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
158						
159	Total Sy	stem - Plant Level	\$ 21.41	\$ 13.10		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

			Decen	nber 2	020 Forecast t	o Actual	- Expens		
			December 2020	, Do	ecember 2020		ast to	Forecast to Actual Variance	
			Forecast		Actual	Actual	ariance	%	Notes
ine	Plant G	eneration	[PROTECTED DA	TA B	EGINS				
2	-	Big Stone							
3	+	Coyote Hoot Lake #2		-					Actuals include Hoot Lake #2 and #3 combined
4	1	Hoot Lake #3							
5						F	ROTECT	ED DATA ENDS]	
6 7	-	Total Coal	\$ 5,692,39 [PROTECTED DA	5 \$	4,630,380	\$ (1	062,015)	-18.66%	
8	+	Langdon Wind	[PROTECTED DA	IIA DI	EGINS				
9	1	Ashtabula Wind							
10		Luverne Wind							
11 12		Merricourt		-			POTECT	ED DATA ENDS]	Merricourt does not come into service until 2020
13	+	Total Wind	\$ -	\$	-	\$	-	0.00%	
14									
15 16	-	Total Hydro	\$ - [PROTECTED DA	\$ TA DI		\$	-	0.00%	
17	+	Jamestown 1	[PROTECTED DA	IIA BI	EGINS				
18	+	Jamestown 2							
19		Lake Preston							
20	-	Fergus Control Center		-			POTECT	ED DATA ENDS	
21 22	+	Total Oil - Peaking Units	\$ 27,30	0 \$	5,079		(22,221)	-81.40%	
23			[PROTECTED DA	TA BI	EGINS		. ,,		
24		Natural gas - Solway		-					Actorio Ctation dago not como inte conder curtil 0000
25 26	+	Natural gas - Astoria		+		-	ROTECT	ED DATA ENDS]	Astoria Station does not come into service until 2020
27	+	Total Natural Gas			72,951	\$	172,249)	-70.25%	
28			[PROTECTED DA						
29		Solar - Blue Jay		1					
30 31	+	Solar - Blue Heron		-			POTECT	ED DATA ENDS]	
32	+	Total Solar	\$ -	\$	-	\$	-	0.00%	
33									
34 35	-	Total OTP-Owned	\$ 5,964,89	5 \$	4,708,410	\$ (1	256,485)	-21.06%	
36	Wholes	l sale Market Charges							
37		MISO Wholesale Market Charges							
38	555.02	DA Asset Energy Amount***	\$ -	-	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
39 40		DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$		\$		0.00%	Energy Amounts - included/embedded within Market Purchases
41	555.19	RT Asset Energy Amount***	\$ -	\$		\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (200,44	9) \$	(146,317)		54,133	-27.01%	
43 44	555.21	RT FBT Loss Amount	\$ - \$ 527.41	2 \$	314.366	\$	213,045)	0.00% -40.39%	
45	+	DA Loss Amount RT Loss Amount	\$ 30,84		121,984		91,136	295.43%	
46	555.26	RT Non-Asset Energy Amount***	\$ -		-	\$	-		Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$ -	\$	-	\$	-	0.00%	
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -	\$	-	\$	-	0.00%	
50	555.01	DA Mkt Admin Amount	\$ 79.73		69,152		(10,580)	-13.27%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$ 8,61		10,001		1,433	16.63%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13	FTR Mkt Admin Amount	\$ 1,47	9 \$	2,873		1,395	94.33%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53 54		DA FBT Congestion Amount DA Congestion	\$ - \$ 148,64	4 ¢	218,508	\$	69,864	0.00% 47.00%	
55	555.20	RT FBT Congestion Amount	\$ -	\$	-	\$		0.00%	
56		RT Congestion	\$ 14,19		675,492		661,299	4659.38%	
57 58	555.14	FTR Hourly Allocation Amount	\$ (196,16 \$ (13.37		(617,583)	\$ (421,415)	214.82%	
58 59	555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (13,37 \$ (3.67		(25,717)	\$	(12,345) 3,676	92.32%	
60	555.35	FTR Monthly Transaction Amount	\$ (9,21	7) \$	-	\$	9,217	-100.00%	
61	555.36	FTR Full Funding Guarantee Amount	\$ (5,80	2) \$	(71,367)		(65,565)	1130.02%	
62 63		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 5,81 \$ (164,32		70,319 (389,492)	\$	64,509 225,169)	1110.17% 137.03%	
64		FTR Annual Transaction Amount	\$ (164,32		384,963		220,589	137.03%	
35	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,13	3 \$	2,176	\$	(1,957)	-47.36%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (29,69	8) \$	(23,824)		5,874	-19.78%	
67 68	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 15,61	1 4	13,239	\$	(2,372)	0.00% -15.19%	
39		DA Revenue Sufficiency Guarantee Distribution Amount	\$ (19	7) \$	(0)	\$	197	-99.98%	
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,71	3 \$	20,271	\$	(10,442)	-34.00%	
71	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (26,78		(0.707)	\$	26,781	-100.00%	
72 73		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (21,08 \$ 60,28		(8,787) 100,786	\$	12,301 40,498	-58.33% 67.18%	
74	555.25	RT Misc Amount	\$ 18,48	9 \$	137	\$	(18,352)	-99.26%	
75	555.27	RT Net Inadvertent Amount	\$ 2,54	3 \$	(294)		(2,837)	-111.56%	
76 77		RT Uninstructed Deviation Amount	\$ - \$ -	\$	40.054	\$	12,854	0.00%	
77 78	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ -		12,854 (127)		12,854 584	0.00% -82.12%	
		RT Ramp Product		4) \$	(39)		15	-26.97%	
79		RT Schedule 49 Cost Distribution Amount	\$ -	\$	6,225	\$	6,225	0.00%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
80	555.65							0.000/	
	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

	EEE 00	B	_		-		_		0.000/	
84 85		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$	-	\$	-	\$	-	0.00% 0.00%	
86		RT Loss Rebate on COGA	\$		\$		\$		0.00%	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		-	\$		\$	(35,097)	0.00%	
88		Net Congestion and Losses Adjustifient & No DA Generation Schedule	, , , , , , , , , , , , , , , , , , ,		<u> </u>	(33,031)	Ψ	(33,031)	0.0076	
89		Total MISO Wholesale Market Charges	s	351,519	s	622,674	\$	271,155	77 14%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90		3	· ·	,	Ť	,				
91		SPP Wholesale Market Charges								
92		DA Asset Energy Amount***	\$	-	\$	-	\$	-	0.00%	Energy Amounts - included/embedded within Market Purchases
93		DA Non-asset Energy Amount	\$		\$		\$	-	0.00%	
94	555.09	RT Asset Energy Amount***	\$		\$		\$	-		Energy Amounts - included/embedded within Market Purchases
95	555.00	RT Non-Asset Energy Amount	\$		\$		\$	-	0.00%	
96		DA Make-Whole-Payment Distribution Amount	\$	15		-	\$	(15)	-100.00%	
97			\$	143	\$	469	\$	326	228.94%	
98		RT Revenue Sufficiency Guarantee Distribution Amount	\$	-	\$	-	\$	-	0.00%	
99			\$		\$	39	\$	(46)	-54.60%	
100			\$	10			\$	20	196.34%	
101	555.05		\$	13			\$	61	472.82%	
102	555.06		\$	18			\$	36	201.01%	
103		DA Supplemental Reserve Distribution Amount	\$		\$	5	\$	3	144.53%	
104 105			\$	(1)		(11.007)	\$	1	-100.00%	
105		RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$	(12,066)		(11,967)	\$	99	-0.82% -100.00%	
106			\$	(0)			\$	1	-210.77%	
107		RT Regulation-Up Distribution Amount	\$	(1)		-	\$	1	-100.00%	
109	555 16	RT Spinning Reserve Distribution Amount	\$	(0)			\$	0	-100.00%	
110		RT Supplemental Reserve Distribution Amount	\$	(0)			\$	0	-100.00%	
111		RT Pseudo Tie Congestion Amount	\$	(27,935)		(61,615)	\$	(33,680)	120.57%	
112		RT Pseudo Tie Loss Amount	\$	(18,285)		(16,605)	\$	1,680	-9.19%	
113		Miscellaneous Amount	\$	(10)			\$	30	-290.17%	
114		ARR Closeout Yearly Amount	\$	-			\$	-	0.00%	
115		RT Demand Reduction Distribution Amount	\$		\$	-	\$	-	0.00%	
116		DA GFA Carve Out Distribution Deployment Daily Amount	\$	(0)		39	\$	39	-9171.07%	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$	-	\$	-	0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$		\$		\$	-	0.00%	
119		Total SPP Wholesale Market Charges	\$	(58,014)	\$	(89,458)	\$	(31,444)	54.20%	
120		HIGO AGM			\vdash					
121 122		MISO ASM Day Ahead Regulation Amount	\$	(28,258)	-	(71,830)	\$	(43,572)	154.19%	
123			\$	2,299	-		\$	8,785	382.15%	
124		Regulation Cost Distribution Amount	\$	19.425			\$	(3.501)	-18.02%	
125		Day Ahead Spinning Reserve Amount	\$	(19,191)		(16,360)	\$	2,831	-14.75%	
126		Real Time Spinning Reserve Amount	\$	1,757				(447)	-25.43%	
127			\$		\$		\$	(5,246)	-32.02%	
128			\$	(2,048)		(12,844)		(10,795)	526.99%	
129			\$	612			\$	3,279	535.94%	
130			\$		\$	1,668	\$	(1,062)	-38.90%	
131			\$	802		-	\$	(802)	-100.00%	
132			\$	1,918			\$	1,410	73.52%	
133		Net Regulation Adjustment Amount	\$	1,126		3,077	\$	1,952	173.41%	
134		Total MISO ASM	\$	(2,448)	\$	(49,616)	\$	(47,167)	1926.59%	
135		Total Wholesale Market Charges	•	291,057	s	483,600	\$	192,543	66.15%	
136 137		i otai vynoiesaie Market Charges	•	291,057	+	483,600	<u> </u>	192,543	66.15%	
138					\vdash					
139	Purchas	ed Power								
140			PROTECT	ED DATA	A BE	GINS				
141		Edgeley PPA								
142		Langdon PPA	i			-				
143		Ashtabula III PPA								
144		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance								
146		Shared Loads			₩.					
147		Small Co-gen			Ь.					
148		Bilateral purchases			Щ.					
149		Market Purchases			Ь—					MISO and SPP Energy Only
150		T-4-1 P 1		ECC 000	-	E 405 07-	_		ED DATA ENDS]	Tribal (MADA) evaluded from Total
151 152		Total Purchases	\$ 5,	,566,600	\$	5,185,077	ş	(381,523)	-6.85%	Tribal (WAPA) excluded from Total
152	Wind C	ırtailment	\$	6,311	s	(41,939)	\$	(48,250)	-764.57%	
154	Willia Ct	in tallinont	_	0,311	Ť	(41,535)	<u> </u>	(40,200)	-104.31%	
155	Asset B	ased Sales	\$	34,800	s	642,657	\$	607,857	1746,72%	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$	26,150	\$	596,056	\$	569,906	2179.35%	
			\$	8,650	\$		\$	37,951	438.75%	
157										li li
158					Ė					
		stem - Plant Level		,794,063	\$	9,692,490	\$	(2,101,572)		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

				December 202	Forecast to Actual	- MWh	
			December 2020	December 2020		Forecast to Actual	
Line	Plant G	eneration	Forecast [PROTECTED DATA	Actual	Variance MWh	Variance %	Notes
1		Big Stone	[FROTECTED DATA	d BEGING			
2		Coyote					
3		Hoot Lake #2 Hoot Lake #3					
5					PROTE	CTED DATA ENDS]	
6		Total Coal	257,800		(55,461)	-21.51%	
8		Langdon Wind	[PROTECTED DAT	A BEGINS			
9		Ashtabula Wind					
10		Luverne Wind					Marriaguet dage not come into consise until 2020
12		Merricourt			PROTE	CTED DATA ENDS]	Merricourt does not come into service until 2020
13		Total Wind	70,100	78,728	8,628		
14 15		Total Hydro	1,600	1,919	319	19.96%	
16		Total riyuro	[PROTECTED DAT		515	15.50 /6	
17		Jamestown 1					
18 19		Jamestown 2 Lake Preston					
20		Fergus Control Center					
21					PROTE	CTED DATA ENDS]	
22		Total Oil - Peaking Units	400 [PROTECTED DAT	A BEGINS	(400)	-100.00%	
24		Natural gas - Solway					
25 26		Natural gas - Astoria			DDCTE	CTED DATA ENDS	Astoria Station does not come into service until 2020
27		Total Natural Gas	8,100	3,006	(5,094)		
28			[PROTECTED DAT	A BEGINS	(-,50-1)	52.50%	
29		Solar - Blue Jay Solar - Blue Heron			-		
30 31		Solal - Dide Reioli			PROTE	CTED DATA ENDS]	
32		Total Solar		3	3	0.00%	
33		Total OTP-Owned	338,000	285,995	(52,005)	-15.39%	
35		Total OTF-Owned	330,000	200,990	(32,003)	-10.33 /6	
36 37		ale Market Charges					
38	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
39	555.04	DA FBT Loss Amount	N/A	N/A	N/A	N/A	
40	555.09	DA Non-asset Energy Amount***	N/A	N/A	N/A	N/A	
41	555.19 555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
43	555.21	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	N/A N/A	N/A N/A	
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A N/A	N/A	N/A	
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A	N/A	N/A	
48 49		DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
50		DA Mkt Admin Amount	N/A	N/A	N/A	N/A	
51	555.18	RT Mkt Admin Amount	N/A	N/A	N/A	N/A	
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
54		DA Congestion	N/A	N/A	N/A	N/A	
55	555.2	RT FBT Congestion Amount	N/A	N/A	N/A	N/A	
56 57	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
58	555.15	FTR Monthly Allocation Amount	N/A	N/A	N/A	N/A	
59 60		FTR Yearly Allocation Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
60	555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		N/A N/A	
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A	N/A	N/A	
63 64		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
65	555.40	FTR Aurtion Revenue Rights Infeasible Uplift Amount	N/A	N/A	N/A N/A	N/A N/A	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A	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	N/A N/A	N/A N/A	
69		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
70	555.29	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	N/A N/A	N/A N/A	
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A	N/A	N/A	
74	555.25	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	N/A N/A	N/A N/A	
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A	N/A	N/A	
78	555.63	DA Ramp Product	N/A	N/A	N/A	N/A	
79 80		RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A	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	555.56	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	I

84	555.06	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	N/A	N/A	
86	555 23	RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87	000.20	Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A	N/A	N/A	
		inet Congestion and Losses Adjustment & No DA Generation Sched	IN/A	IN/A	IN/A	IWA	
88	ļ	T (18000 180 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-				
89		Total MISO Wholesale Market Charges					
90			1				
91		SPP Wholesale Market Charges					
92	555.19	DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
93	EEE 03	DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94		RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95		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	N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A	N/A	N/A	
98	555 10	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A	N/A	N/A	
99		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	N/A	N/A	
101	555.05	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	N/A	N/A	
103		DA Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
104		RT Contingency Reserve Deployment Failure Amount	N/A	N/A	N/A	N/A	
	555.00 EEF 44	DT Over Cellected Leases Distribution Amount					
105		RT Over-Collected Losses Distribution Amount	N/A	N/A	N/A	N/A	
106		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	N/A	N/A	
108	555.14	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	N/A	N/A	
110		RT Supplemental Reserve Distribution Amount	N/A	N/A	N/A	N/A	
	555.17	DT Decide Tie Consection Amount					
111	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A	N/A	N/A	
112		RT Pseudo Tie Loss Amount	N/A	N/A	N/A	N/A	
113		Miscellaneous Amount	N/A	N/A	N/A	N/A	
114	555.26	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	555.20 EEE 01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A	N/A	N/A	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119		Total SPP Wholesale Market Charges	1				
120		· · · · · · · · · · · · · · · · · · ·					
121		MISO ASM					
		INISO ASIN	N/A	N/A	N/A	****	
122		Day Ahead Regulation Amount				N/A	
123		Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124		Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125		Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126	1	Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127		Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128		Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129		Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132	1	Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	N/A	N/A	
	ł		N/A				
133		Net Regulation Adjustment Amount	IN/A	N/A	N/A	N/A	
134		Total MISO ASM					
135	1						
136	1	Total Wholesale Market Charges	ı — — — — — — — — — — — — — — — — — — —				
137		•					
138	1						
139	Durcha	sed Power					
	Fuicila	JOH I OHOI	IDDOTECTED DAT	A DECIME			
140	ļ	F	[PROTECTED DATA	A DEGINS			
141	1	Edgeley PPA					
142	<u></u>	Langdon PPA	I				
143	1	Ashtabula III PPA					
144		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145	†	WAPA Energy Imbalance					
	1						
146	ļ	Shared Loads					
147		Small Co-gen					
148	1	Bilateral purchases	, T				
149	1	Market Purchases					MISO and SPP Energy Only
150	1				PPOTE	CTED DATA ENDS	3))
151	.	Total Purchases	184,600	208,291			Tribal (MARA) evaluded from Total
			184,600	208,291	23,691	12.83%	Tribal (WAPA) excluded from Total
		Total Fulcilases			1		
152							
152 153	Wind C	urtailment	-	(1,298)	(1,298)	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
152 153 154		urtailment					
152 153 154		urtailment					
152 153			1,200	(1,298)	(1,298)		Credit to MN FCA Calculation - Subtracted from Total
152 153 154 155		urtailment ased Sales					Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154		urtailment					Credit to MN FCA Calculation - Subtracted from Total
152 153 154 155		urtailment ased Sales					Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156		urtailment ased Sales Fuel Costs					Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156		urtailment ased Sales					Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156 156	Asset B	urtailment ased Sales Fuel Costs Asset Based Margins	1,200	30,468	29,268	2438.98%	Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156	Asset B	urtailment ased Sales Fuel Costs				2438.98%	Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset

			December 2020 I	orecast to Actua	I - \$ per M\	Wh
			December 2020	December 2020		
			Forecast [PROTECTED DATA	Actual		Notes
Line	Plant G	eneration	[PROTECTED DATA	A BEGINS		
2		Big Stone Coyote				
3		Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4		Hoot Lake #3				A COLUMN TO COLUMN TO CONTENTO
5				PROTECTED DA	TA ENDS]	
6		Total Coal	\$ 22.08	\$ 22.88		
7			[PROTECTED DATA	A BEGINS		
8		Langdon Wind				
9 10		Ashtabula Wind Luverne Wind				
11		Merricourt				Merricourt does not come into service until 2020
12				PROTECTED DA	TA ENDS]	
13		Total Wind	\$ -	\$ -		
14			_	_		
15 16		Total Hydro	\$ -	\$ -		
17		Jamestown 1	[PROTECTED DATA	A BEGINS		
18		Jamestown 2				
19		Lake Preston				
20		Fergus Control Center				
21				PROTECTED DA	TA ENDS]	
22		Total Oil - Peaking Units	\$ 68.25	\$ -	-	
23 24	-	Notural gas, Salway	[PROTECTED DATA	A BEGINS	<u> </u>	
25	-	Natural gas - Solway Natural gas - Astoria		1	 	Astoria Station does not come into service until 2020
26		reaction gas 7 stories		PROTECTED DA	TA ENDS1	A STATE STATE OF THE SELECTION OF THE SE
27		Total Natural Gas	\$ 30.27	\$ 24.27		
28			[PROTECTED DATA	BEGINS		
29		Solar - Blue Jay				
30		Solar - Blue Heron		PROTECTED DA	TA ENDO	
32		Total Solar	s -	\$ -	IA ENDS]	
33		Total Solal	-	-		
34		Total OTP-Owned	\$ 120.60	\$ 47.16		
35						
36	Wholes	ale Market Charges				
37		MISO Wholesale Market Charges				
38 39	555.02	DA Asset Energy Amount***	N/A	N/A N/A		
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	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	555.00	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	555.06	DA Virtual Energy Amount	N/A N/A	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		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	333.2	RT Congestion Amount RT Congestion	N/A N/A	N/A		
57	555.14	FTR Hourly Allocation Amount	N/A	N/A		
58	555.15	FTR Monthly Allocation Amount	N/A	N/A		
59	555.17	FTR Yearly Allocation Amount	N/A	N/A		
60	555.35	FTR Monthly Transaction Amount	N/A	N/A	-	
61		FTR Full Funding Guarantee Amount	N/A N/A	N/A		
62 63	555 30	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	N/A N/A		
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A	-	
70 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	555.42	RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73		RT Revenue Neutrality Uplift Amount	N/A	N/A		
74	555.25	RT Misc Amount	N/A	N/A		
75	555.27	RT Net Inadvertent Amount	N/A	N/A		
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
77		RT Demand Response Allocation Uplift Amount	N/A	N/A		
78		DA Ramp Product	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	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		DA Losses Rebate on COGA	N/A	N/A		
_		· · · · · · · · · · · · · · · · · · ·				·

85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88		T. (11100 VIII.)				
89		Total MISO Wholesale Market Charges				
90		ODD Whater to Market Observes				
91	FFF 40	SPP Wholesale Market Charges	N/A	N/A		
92 93	555.19	DA Asset Energy Amount***				
		DA Non-asset Energy Amount	N/A	N/A		
94		RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96		DA Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
98		RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
99		RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100		DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
103		DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount				
105		RT Over-Collected Losses Distribution Amount	N/A	N/A		
106	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
107 108	555.13 EEE 14	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	N/A N/A		
	555.16	RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
110 111		RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
		RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
112		RT Pseudo Tie Loss Amount Miscellaneous Amount		N/A N/A		
113 114		Miscellaneous Amount	N/A N/A	N/A N/A		
114		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A N/A	N/A N/A		
117		DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	N/A N/A	N/A N/A		
118		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A N/A	N/A N/A		
	333.27		IN/A	IN/A		
119 120		Total SPP Wholesale Market Charges				
120		MISO ASM				
121		Day Ahead Regulation Amount	N/A	N/A		
123 124		Real Time Regulation Amount	N/A N/A	N/A N/A		
124		Regulation Cost Distribution Amount	N/A N/A	N/A N/A		
125		Day Ahead Spinning Reserve Amount	N/A N/A	N/A N/A		
126		Real Time Spinning Reserve Amount	N/A N/A	N/A N/A		
		Spinning Reserve Cost Distribution Amount				
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A N/A	N/A N/A		
130 131		Supplemental Reserve Cost Distribution Amount	N/A N/A	N/A N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A N/A	N/A N/A		
		Real Time Excessive Deficient Energy Deployment Charge Amount				
133		Net Regulation Adjustment Amount Total MISO ASM	N/A	N/A		
134 135		TOTAL MISO ASM				
135		Total Whalanda Market Charres				
136		Total Wholesale Market Charges				
138 139	Burchas	sed Power				
139	rurcnas	eu ruwei	[PROTECTED DATA	DECINE		
140		Edgeley PPA	[FKO IEG IED DA I	L PEGINS		
141		Langdon PPA				
143		Ashtabula III PPA		-		Not Applicable to EAD. Evoluted from Total
144		Tribal (WAPA)		-		Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147 148		Small Co-gen				
		Bilateral purchases		-		MICO and CDD Fragge Only
149		Market Purchases		.PROTECTED DAT	TA ENDO	MISO and SPP Energy Only
150		T-4-1 51			A ENDS]	Tribal (MADA) evaluded from Total
151		Total Purchases	\$ 30.15	\$ 24.89		Tribal (WAPA) excluded from Total
152 153	Mind O	urtailment	11/4	\$ 32.32		
	wina Ci	irtanment	N/A	\$ 32.32		
154	Annet 5	anad Calan	ė 20.00	e 24.00		
155	ASSET B	ased Sales	\$ 29.00	\$ 21.09		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A		Based Sales
100		Fuel Costs	N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
157		ASSEL DIASEU INIAI YITIS	N/A	N/A		Dascu Jaics
	Total O	rstem - Plant Level	\$ 22.62	\$ 20.96		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total
159	TOTAL S	Stelli - Flalit Feagl	φ 22.62	φ 20.96		Tribai (WAFA) excluded ITOTII TOTAI, Asset Dased Sales subtracted from Total

			Year to I	Date 2020 Forecas	Forecast to	ense (Revenue) Forecast to	
			YTD 2020		Actual Variance	Actual Variance	
			Forecast	YTD 2020 Actual	\$	%	Notes
Line 1		eneration Big Stone	[PROTECTED DATA	A BEGINS			
2		Coyote					
3		Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
5		Hoot Lake #3			PROTECT	ED DATA ENDS	
6		Total Coal	\$ 50,336,035	\$ 45,124,340			
7			[PROTECTED DATA	A BEGINS			
8		Langdon Wind Ashtabula Wind					
10		Luverne Wind					
11		Merricourt					Merricourt does not come into service until 2020
12		Total Wind	\$ -		PROTEC	TED DATA ENDS] 0.00%	
14				-	•	0.0076	
15		Total Hydro	\$ -	\$ -	\$ -	0.00%	
16 17		Jamestown 1	[PROTECTED DATA	A BEGINS			
18		Jamestown 2					
19		Lake Preston					
20	-	Fergus Control Center		1	PROTECT	TED DATA ENDS	
22		Total Oil - Peaking Units	\$ 327,600	\$ 189,886			
23			[PROTECTED DATA	A BEGINS	, , ,		
24 25		Natural gas - Solway Natural gas - Astoria		 	 	 	Astoria Station does not come into service until 2020
26						ED DATA ENDS]	7 STORING STATES THAT COMES HELD SOLVED WHITE ZOZO
27		Total Natural Gas			\$ 79,692	8.83%	
28 29		Solar - Blue Jay	[PROTECTED DATA	A BEGINS		 	
30		Solar - Blue Heron					
31					PROTECT	TED DATA ENDS]	
32		Total Solar	\$ -	\$ -	\$ -	0.00%	
34		Total OTP-Owned	\$ 51,565,935	\$ 46,296,218	\$ (5,269,717)	-10.22%	
35							
36 37		ale Market Charges MISO Wholesale Market Charges					
38	555.02	DA Asset Energy Amount***	\$ -	s -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
39	555.04	DA FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
40	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$ - \$ -	\$ - \$ -	\$ - \$ -	0.00%	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (2,036,873)			-35.52%	Energy Amounts - Indiaded embedded within Market Furchases
43		RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44 45		DA Loss Amount RT Loss Amount	\$ 5,359,312 \$ 313,464		\$ (2,137,180° \$ (35,848°	-39.88% -11.44%	
46	555.26	RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
47	555.08	DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
48 49	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	\$ - \$ -	\$ - \$ -	\$ - \$ -	0.00%	
50	555.01	DA Mkt Admin Amount	\$ 705,104	\$ 673,462	\$ (31,642)	-4.49%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18	RT Mkt Admin Amount	\$ 81,359	\$ 77,563	\$ (3,795)	-4.66%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53		FTR Mkt Admin Amount DA FBT Congestion Amount	\$ 18,942 \$ -	\$ 33,388	\$ 14,445 \$ -	76.26% 0.00%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
54		DA Congestion Amount DA Congestion	\$ 1,510,447	\$ 1,544,000	\$ 33,554	2.22%	
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56 57		RT Congestion FTR Hourly Allocation Amount	\$ 144,221 \$ (1,993,375)		\$ 586,017 \$ (3,200,453)	406.33% 160.55%	
58	555.15	FTR Monthly Allocation Amount	\$ (1,993,375)				
59	555.17	FTR Yearly Allocation Amount	\$ (37,356)	\$ (1,197)	\$ 36,159	-96.79%	
60 61		FTR Monthly Transaction Amount	\$ (93,655) \$ 2,475			95.92% -8786.80%	
62		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 2,475		\$ (217,439)	-8786.80% 50831.64%	
63	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (2,470,587)	\$ (3,908,970)	\$ (1,438,383)	58.22%	
64	555.38	FTR Annual Transaction Amount	\$ 2,421,655	\$ 3,881,047	\$ 1,459,393	60.26%	
	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 2,421,655 \$ 70,891	\$ 3,881,047 \$ 27,371	\$ 1,459,393 \$ (43,520)	60.26% -61.39%	
64 65 66 67	555.38 555.40 555.41 555.07	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ -	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ -	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ -	60.26% -61.39% 18.88% 0.00%	
64 65 66 67 68	555.38 555.40 555.41 555.07 555.10	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ - \$ 136,805	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ - \$ 96,996	\$ 1,459,393 \$ (43,520] \$ (55,335] \$ - \$ (39,809]	60.26% -61.39% 18.88% 0.00% -29.10%	
64 65 66 67 68 69	555.38 555.40 555.41 555.07 555.10 555.11	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ - \$ 136,805 \$ (48,983)	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ - \$ 96,996 \$ (65,293)	\$ 1,459,393 \$ (43,520] \$ (55,335] \$ - \$ (39,809] \$ (16,310]	60.26% -61.39% 18.88% 0.00% -29.10% 33.30%	
64 65 66 67 68	555.38 555.40 555.41 555.07 555.10 555.11 555.29	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ - \$ 136,805	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ - \$ 96,996 \$ (65,293) \$ 115,428	\$ 1,459,393 \$ (43,520] \$ (55,335] \$ - \$ (39,809] \$ (16,310]	60.26% -61.39% 18.88% 0.00% -29.10% 33.30%	
64 65 66 67 68 69 70 71 72	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ - \$ 136,805 \$ (48,983) \$ 368,550 \$ (321,369) \$ (253,055)	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ - \$ 96,996 \$ (65,293) \$ 115,428 \$ - \$ (190,146)	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ - \$ (39,809) \$ (16,310) \$ (253,122) \$ 321,369 \$ 62,909	60.26% -61.39% 18.88% 0.00% -29.10% 33.30% -68.68% -100.00% -24.86%	
64 65 66 67 68 69 70 71 72 73	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$: \$ 136,805 \$ (48,983) \$ 368,550 \$ (321,369) \$ (253,055) \$ 723,453	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ - \$ 96,996 \$ (65,293) \$ 115,428 \$ - \$ (190,146) \$ 1,059,328	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ - \$ (39,809) \$ (16,310) \$ (253,122) \$ 321,369 \$ 62,909 \$ 335,875	60.26% -61.39% 18.88% 0.00% -29.10% 33.30% -68.68% -100.00% -24.86% 46.43%	
64 65 66 67 68 69 70 71 72 73 74 75	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28 555.25 555.27	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Miss Amount RT Miss Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$: \$ 136,805 \$ (48,983) \$ 368,550 \$ (321,369) \$ (253,055) \$ 723,453 \$ 221,863 \$ 30,512	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ - \$ 96,996 \$ (65,293) \$ 115,428 \$ - \$ (190,146) \$ 1,059,328 \$ 81,790	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ - \$ (39,809) \$ (16,310) \$ (253,122) \$ 321,369 \$ 62,909 \$ 335,875	60.26% -61.39% 18.88% 0.00% -29.10% -88.68% -100.000 -24.86% 46.43% -63.13% -75.86%	
64 65 66 67 68 69 70 71 72 73 74 75	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28 555.27 555.31	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Net Inadvertent Amount RT Net Inadvertent Amount RT Net Inadvertent Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ \$ 136,805 \$ (48,983) \$ 368,550 \$ (321,369) \$ (253,055) \$ 723,453 \$ 221,863 \$ 30,512 \$ -	\$ 3,881,047 \$ 27,371 \$ (348,459) \$	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ (39,809) \$ (16,310) \$ (253,122) \$ 321,369 \$ 62,909 \$ 335,875 \$ (140,072) \$ (23,147) \$ -	60.26% -61.39% 18.88% 0.00% -29.10% 33.30% -68.68% -100.00% -24.86% 46.43% -63.13% -75.86% 0.00%	
64 65 66 67 68 69 70 71 72 73 74 75 76	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28 555.28 555.27 555.31 555.59	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebeate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Price Volatility Make Whole Payment RI Price Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI Met Inadvertent Amount RI Veit Inadvertent Amount RI Uninstructed Deviation Amount RI Uninstructed Deviation Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ 136,805 \$ (48,983) \$ 368,550 \$ (253,055) \$ 723,453 \$ 221,863 \$ 30,512 \$ 0	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ 96,996 \$ (65,293) \$ 115,428 \$ - \$ (190,146) \$ 1,059,328 \$ 81,790 \$ 7,365 \$ -	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ (39,809) \$ (16,310) \$ (253,122) \$ 321,369 \$ 62,909 \$ 33,8,875 \$ (140,072) \$ (23,147) \$ 12,855	60.26% -61.39% 18.88% 0.00% -29.10% 33.30% -68.68% -100.00% -24.86% 46.43% -75.86% 0.00%	
64 65 66 67 68 69 70 71 72 73 74 75	555.38 555.40 555.41 555.07 555.10 555.11 555.29 555.30 555.42 555.28 555.25 555.27 555.31 555.59 555.63	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Net Inadvertent Amount RT Net Inadvertent Amount RT Net Inadvertent Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ \$ 136,805 \$ (48,983) \$ (321,369) \$ (253,055) \$ 723,453 \$ 221,863 \$ 30,512 \$ \$ 0 \$ 0	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ 96,996 \$ (65,293) \$ 115,428 \$ (190,146) \$ 1,059,328 \$ 81,790 \$ 7,365 \$ 12,855 \$ (14,499)	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ (39,809) \$ (16,310) \$ (253,122) \$ 321,369 \$ 62,909 \$ 335,875 \$ (140,072) \$ (23,147) \$ -	60.26% -61.39% 18.88% 0.00% -29.10% -68.68% -100.00% -24.86% -63.13% -63.13% 0.00% -75.86% 0.00% -47.43%	
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	555.38 555.40 555.41 555.10 555.11 555.29 555.30 555.28 555.25 555.31 555.31 555.59 555.63	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebeta on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount TR Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Miss Amount RT Miss Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ 96,996 \$ (65,293) \$ 115,428 \$ 1,093,328 \$ 81,790 \$ 7,365 \$ 2, 285 \$ (14,499) \$ 183 \$ 143,014	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ - \$ (39,809) \$ (16,310) \$ (25,122) \$ 321,389 \$ 62,909 \$ 335,875 \$ (140,072) \$ (23,147) \$ (23,147) \$ (23,147) \$ (650) \$ (43,014) \$ (650) \$ (43,014)	60.26% 61.39% 18.88% 0.00% 29.10% 33.30% 68.86% -100.00% 46.43% 63.13% 75.86% 0.00% 47.43% -77.99%	RT Schedule 49 Cost Distribtion is a new charge type as of 2020
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81	555.38 555.40 555.41 555.07 555.10 555.19 555.29 555.29 555.25 555.25 555.27 555.31 555.63 555.64 555.65	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Revenue Rights Stage 2 Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Revenue Sufficiency Guarantee First Pass Distribution Amount RI Price Volatility Make Whole Payment RI Revenue Neutrality Uplift Amount RI Revenue Neutrality Uplift Amount RI Nies Amount RI Uninstructed Deviation Amount RI Demand Response Allocation Uplift Amount DA Ramp Product RI Samp Product RI Samp Product RI Samp Levenue Sussibility Amount RI Samp Levenue Sussibility Make Whole RI Schedule 49 Cost Distribution Amount RI ASM Non-Excessive Energy Amount**	\$ 2,421,655 \$ 70,891 \$ (293,124) \$ 136,805 \$ (48,893) \$ 368,550 \$ (321,369) \$ (253,055) \$ 723,453 \$ 221,863 \$ 221,863 \$ 30,512 \$	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ \$ 96,996 \$ (65,283) \$ 115,428 \$ \$ (190,146) \$ 1,059,328 \$ 81,736 \$ (14,499) \$ 12,855 \$ (14,499) \$ 183,51	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ (55,335) \$ (16,310) \$ (253,122) \$ (223,123) \$ (223,123) \$ (223,123) \$ (223,124) \$ (231,124) \$ (231,124) \$ (231,124) \$ (231,124) \$ (313,124) \$ (650) \$ (430,124) \$ (650) \$ (430,124)	60.26% 61.39% 18.88% 29.10% 29.10% 33.30% 61.68.68% -100.00% 46.43% 63.13% 67.58% 0.00% 0.00% 0.00%	Energy Amounts - included/embedded within Market Purchases
64 65 66 67 68 69 70 71 72 73 74 75 76 77 78	555.38 555.40 555.41 555.07 555.10 555.29 555.29 555.29 555.25 555.27 555.31 555.59 555.66 555.65 555.65	FIR Annual Transaction Amount FIR Auction Revenue Rights Infeasible Uplift Amount FIR Auction Revenue Rights Infeasible Uplift Amount DA Congestion Rebeta on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Distribution Amount TR Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount RT Miss Amount RT Miss Amount RT Uninstructed Deviation Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ 2,421,655 \$ 70,891 \$ (293,124) \$	\$ 3,881,047 \$ 27,371 \$ (348,459) \$ 96,996 \$ (65,293) \$ 115,428 \$ 1,093,328 \$ 81,790 \$ 7,365 \$ 2, 285 \$ (14,499) \$ 183 \$ 143,014	\$ 1,459,393 \$ (43,520) \$ (55,335) \$ - \$ (39,809) \$ (16,310) \$ (25,122) \$ 321,389 \$ 62,909 \$ 335,875 \$ (140,072) \$ (23,147) \$ (23,147) \$ (23,147) \$ (650) \$ (43,014) \$ (650) \$ (43,014)	60.26% 61.39% 18.88% 29.10% 29.10% 33.30% 61.68.68% -100.00% 46.43% 63.13% 67.58% 0.00% 0.00% 0.00%	

65.00 Disk Losses Related on COLAN \$ \$ \$ \$ \$ \$ \$ \$ \$								_		
Section Sect	84			\$	-	\$	-	\$ -	0.00%	
27 Section Proceedings Section Secti					-					
Sept Whitelease Mark Charges S. 3,993,071 S. (2115,669) C. (2015,669) C. (2015,6			Net Congestion and Losses Adjustment & No DA Generation Schedu	\$	-	\$ 6	68,217	\$ 68,217	0.00%	
100 Sept Welcheld Market Charges S				_						
SPF Wholestein Market Charges			Total MISO Wholesale Market Charges	\$	3,593,071	\$ (2	219,498)	\$ (3,812,569)	-106.11%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
25 585 19 M. Asset Energy Amount** \$ \$ \$ \$ \$ \$ \$ \$ \$										
85.50 Dis Non-sease Energy Amount \$										
94 95.50 P.T. Asset Energy Amounts - included within Mahad Purchases 95 95 95 95 95 95 95 9										Energy Amounts - included/embedded within Market Purchases
95 SET R. P. Ander Every Amount \$ 1 1 3 7 1 1 1 1 1 1 1 1 1		555.03	DA Non-asset Energy Amount	\$	-	\$	-	\$ -		
95.53.22 DA Make-Whole-Payment Delations Amount 5 181 3 777 35. 2075 12.985 1.995 1.	94			\$	-	\$	-	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
95 15 T. Make White Perpanses Darkshote Ancount \$.711 \$.787 \$.2076 \$.21.385 \$.2075		555	RT Non-Asset Energy Amount			\$				
Section Section Fit Revenue Multiplicary Quarantees Databloton Amount S	96	555.02	DA Make-Whole-Payment Distribution Amount	\$	181	\$	-	\$ (181)	-100.00%	
Section Section Fit Revenue Multiplicary Quarantees Databloton Amount S	97	555.1	RT Make-Whole-Payment Distribution Amount	\$	1,711	s	3,787	\$ 2,076	121.38%	
99 555.15 RT Revenue Neutrality Uplit Distribution Amount \$ 1.021 \$ 200 \$ 159 \$ 152 \$ 15	98			\$	-	s	-	\$ -	0.00%	
150 555.00 DA Regulation Does Destitution Amount 1	99				1.021	S	386	\$ (635)	-62.17%	
100 555.00 DA Regulation-Up Distribution Amount \$ 155 \$ 468 \$ 334 215.65%										
102 555.00 DA Spelment Reserve Distribution Amount S		555.05	DA Regulation-Up Distribution Amount							
1503 555.07 DA Sapplemental Reserve Distribution Amount										
106										
105 555-11 RT Over-Collected Losses Distribution Amount \$ (12.613) \$ (88.072) \$ 33.941 -27.69% \$ (2.914) \$ (
106 555.12 RT Regulation Down Potrimotion Amount \$ (7) \$ (9) \$ (2) 31.24%										
107 555-13 RT Regulation Non-Performance Distribution Amount \$ (4) \$ (5) \$ (1) 3.00%										
198 555.14 Rf Regulation-App Delitablosin Amount \$ (12) \$ (11) \$ 1 4.39%		555.12	DT Dogulation Non Performance Distribution Amount							
100 555.1 B RT Spirring Reserve Distribution Amount \$ (2) \$ (1) \$ 1 4.15%		000.13	DT Description Up Distribution Amount							
110		555.14	R1 Regulation-op Distribution Amount							
111 555.2 RT Peaudo Tic Congestion Amount \$ (28,8,807) \$ (196,020) \$ (10,525) \$ 5.66% \$ (11,000) \$ (10,525) \$ 5.66% \$ (11,000) \$ (10,525) \$ 5.66% \$ (11,000) \$ (<u>э</u> 1		
113 555.27 RT Peaulo Tie Lose Amount										
113 555.23 Miscellaneous Amount										
114 555.28 APR Closeout Yearly Amount S (978.26) S 73.055 S 24.791 -25.34%										
115							(57)	\$ 66		
116					(97,826)					
117 555.22 D. AGFA Carve Out Distribution Deployment Monthly Amount S										
118 555.27 D.A. GAF Carve Out Distribution Deployment Yearly Amount \$ (131) \$ (25) \$ 106	116			\$	(5)	\$				
19	117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$	(1)	\$ (1)	0.00%	
120 MISO ASM	118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	(131)	\$	(25)	\$ 106	-81.28%	
120 MISO ASM	119		Total SPP Wholesale Market Charges	\$	(686,970)	\$ (1.24	48.310)	\$ (561,340)	81.71%	
122	120		-							
122			MISO ASM							
123 Real Time Regulation Amount \$ (27,994) \$ 175,888 \$ 203,882 -728,32% 124 Regulation Carlo Distribution Amount \$ 189,048 \$ 166,694) \$ 148,772 -47,16% 125 Day Ahead Spinning Reserve Amount \$ (315,465) \$ (166,694) \$ 148,772 -47,16% 126 Real Time Spinning Reserve Amount \$ 39,138 \$ 9,268 \$ (29,442) -76,25% 127 Spinning Reserve Amount \$ 205,094 \$ 107,112 \$ (97,992) -47,77% 128 Day Ahead Supplemental Reserve Amount \$ (313,335) \$ (93,2388) 203,889 203,889 129 Real Time Supplemental Reserve Amount \$ (31,335) \$ (93,233) \$ (33,888) 203,889 129 Real Time Supplemental Reserve Amount \$ (11,267) \$ 41,117 \$ (97,992) -47,77% 130 Supplemental Reserve Carlo Distribution Amount \$ (91,135) \$ (17,178) \$ (34,324) -68,86% 131 Contingency Reserve Deployment Failure Charge Amount \$ (9,21) \$ -				S	(285.508)	\$ (69	98.813)	\$ (413.305)	144.76%	
124 Regulation Cost Distribution Amount \$ 199,048 \$ 169,865 \$ (19,183) -10,15%					(27 994)	\$ 17		\$ 203,882		
125										
Real Time Spinning Reserve Amount										
127										
Day Ahead Supplemental Reserve Amount \$ (31,335) \$ (95,223) \$ (63,888) 203,89% 129 Real Time Supplemental Reserve Amount \$ 11,267 \$ 41,117 \$ 29,850 \$ 264,93% 130 Supplemental Reserve Cost Distribution Amount \$ 52,113 \$ 17,789 \$ (34,324) \$ -65,86% 131 Contingency Reserve Deployment Failure Charge Amount \$ 52,113 \$ 17,789 \$ (34,324) \$ -65,86% 132 Real Time Excessive Deficient Energy Deployment Charge Amount \$ 9,821 \$ \$ (9,821) \$ -100,00% 132 Real Time Excessive Deficient Energy Deployment Charge Amount \$ 23,011 \$ 24,116 \$ 1,104 \$ 4,80% 133 Net Regulation Adjustment Amount \$ 13,000 \$ 13,000 \$ 9,958 \$ 1,70,93% 134 Net Regulation Adjustment Amount \$ 13,000 \$ 1,100 \$ 1,00										
Real Time Supplemental Reserve Amount \$ 11,267 \$ 41,117 \$ 29,850 264,93%										
130 Supplemental Reserve Cost Distribution Amount \$ 52,113 \$ 17,789 \$ (34,324) -65,86% 131 Contingency Reserve Deployment Failure Charge Amount \$ 9,821 \$ - \$ (9,821) -100,00% 132 Real Time Excessive Deficient Energy Deployment Charge Amount \$ 9,821 \$ - \$ (9,821) -100,00% 133 Net Regulation Adjustment Amount \$ 13,508 \$ 23,088 \$ 9,581 70,93% 134 Total MISO ASM \$ (117,802) \$ (392,485) \$ (224,955) 224,00% 135 Total Wholesale Market Charges \$ 2,788,598 \$ (1,860,266) \$ (4,648,864) -166,71% 137										
131 Contingency Reserve Deployment Failure Charge Amount \$ 9,621 \$ - 100,00% 132 Real Time Excessive Deficient Energy Deployment Charge Amount \$ 23,011 \$ 24,116 \$ 1,104 4,80% 133 Net Regulation Adjustment Amount \$ 13,508 \$ 23,088 \$ 9,581 70,93% 134 Total MISO ASM \$ (117,502) \$ (382,458) \$ (274,955) 234,00% 135 Total Wholesale Market Charges \$ 2,788,598 \$ (1,860,266) \$ (4,648,864) -166,71% 137		1	Our I mile Supplemental Neserve Amount				41,117			
Real Time Excessive Deficient Energy Deployment Charge Amount \$ 23.011 \$ 24.116 \$ 1.104 4.80% 133 Net Regulation Adjustment Amount \$ 13.50 \$ 23.088 \$ 9.581 70.93% 134 Total MISO ASM \$ (117,502) \$ (392,458) \$ (274,955) 234.00% 135 136 Total Wholesale Market Charges \$ 2,788,598 \$ (1,860,266) \$ (4,648,864) -166.71% 137 138 139 Purchased Power				9			17 700			
133					52,113	\$		\$ (34,324)	-65.86%	
Total Miso ASM S (117,502 S (392,458) S (274,955) 234.00%	132		Contingency Reserve Deployment Failure Charge Amount	\$	52,113 9,621	\$	-	\$ (34,324) \$ (9,621)	-65.86% -100.00%	
135			Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount	\$	52,113 9,621 23,011	\$ \$	24,116	\$ (34,324) \$ (9,621) \$ 1,104	-65.86% -100.00% 4.80%	
136	133		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ \$	52,113 9,621 23,011 13,508	\$ \$ \$	24,116 23,088	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581	-65.86% -100.00% 4.80% 70.93%	
137	133 134		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount	\$ \$	52,113 9,621 23,011 13,508	\$ \$ \$	24,116 23,088	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581	-65.86% -100.00% 4.80% 70.93%	
138	133 134 135		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502)	\$ \$ \$ \$ \$ (39	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
139 Purchased Power	133 134 135 136		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502)	\$ \$ \$ \$ \$ (39	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
140	133 134 135 136 137		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM	\$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502)	\$ \$ \$ \$ \$ (39	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
141	133 134 135 136 137 138		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges	\$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502)	\$ \$ \$ \$ \$ (39	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
142 Langdon PPA	133 134 135 136 137 138 139		Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ 2 \$ 2 \$ (39	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
143	133 134 135 136 137 138 139 140	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ 2 \$ 2 \$ (39	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
143	133 134 135 136 137 138 139 140	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
145 WAPA Energy Imbalance	133 134 135 136 137 138 139 140 141	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
145 WAPA Energy (Imbalance	133 134 135 136 137 138 139 140 141 142	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	
146	133 134 135 136 137 138 139 140 141 142	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	Not Applicable to EAR - Excluded from Total
147	133 134 135 136 137 138 139 140 141 142 143	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	Not Applicable to EAR - Excluded from Total
148	133 134 135 136 137 138 139 140 141 142 143 144	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tiribal (WAPA) WAPA Energy Imbalance	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	Not Applicable to EAR - Excluded from Total
Market Purchases	133 134 135 136 137 138 139 140 141 142 143 144 145	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Defloient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Miso ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	Not Applicable to EAR - Excluded from Total
150	133 134 135 136 137 138 139 140 141 142 143 144 144 145 146	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00%	Not Applicable to EAR - Excluded from Total
151 Total Purchases \$75,064,600 \$56,861,382 \$(18,203,218) -24.25% Tribal (WAPA) excluded from Total 152 Wind Curtailment \$ 153,308 \$257,760 \$104,452 68.13% 154	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Thibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955)	-65.86% -100.00% 4.80% 70.93% 234.00% -166.71%	
152	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Thibal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases	\$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 92,458)	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864)	-65.86% -100.00% 4.80% 70.93% 234.00% -166.71%	
153 Wind Curtailment \$ 153,308 \$ 257,760 \$ 104,452 68.13%	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tirbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- 24,116 23,088 992,458) 360,266)	\$ (34,324) \$ (9,921) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864)	-65.86% -100.00% -4.80% -70.93% -234.00% -166.71%	MISO and SPP Energy Only
154	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 151	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tirbal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- 24,116 23,088 992,458) 360,266)	\$ (34,324) \$ (9,921) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864)	-65.86% -100.00% -4.80% -70.93% -234.00% -166.71%	MISO and SPP Energy Only
155 Asset Based Sales \$ 151,060 \$ 4,322,230 \$ 4,281,170 2834.09% Credit to MN FCA Calculation - Subtracted from Total 156 Fuel Costs \$ 127,367 \$ 4,312,639 \$ 4,185,272 3285.99% 157 Asset Based Margins \$ 23,693 \$ 119,591 \$ 95,898 404.75% 158 \$ 150,000 \$ 150,000 \$ 150,000 \$ 100,000 \$ 100,000	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Total Purchases	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 992,458) 860,266) 	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864) PROTECT \$ (18,203,218)	-65.86% -100.00% -4.80% -70.93% -70.93% -166.71% -166.71%	MISO and SPP Energy Only
156 Fuel Costs \$ 127,367 \$ 4,312,639 \$ 4,185,272 3285,99% 157 Asset Based Margins \$ 23,693 \$ 119,591 \$ 95,898 404.75% 158 \$ 23,693 \$ 119,591 \$ 95,898 404.75%	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151	Purchas	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Total Purchases	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 992,458) 860,266) 	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864) PROTECT \$ (18,203,218)	-65.86% -100.00% -4.80% -70.93% -70.93% -166.71% -166.71%	MISO and SPP Energy Only
157 Asset Based Margins \$ 23,693 \$ 119,591 \$ 95,898 404.75%	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153	Purchas Wind Co	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Defloient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total MisO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Sharel Loads Sharel Loads Market Purchases Market Purchases Total Purchases Total Purchases urtailment	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598 CTED DATA	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24,116 23,088 992,458) 160,266) 	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,985) \$ (4,648,864) PROTECT \$ (18,203,218) \$ 104,452	-65.86% -100.00% -4.80% 70.93% 234.00% -166.71% -166.71%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
158	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 150 151 151 152 153	Purchas Wind Co	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Total Purchases urtailment ased Sales	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502 2,788,598 CTED DATA (5,064,600 153,308	\$ 56,88	24,116 23,088 192,458) 160,266) 	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864) PROTECT \$ (18,203,218) \$ 104,452 \$ 4,281,170	-65.86% -100.00% -4.80% -70.93% -234.00% -166.71% ED DATA ENDS] -24.25% -68.13% -2834.09%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155	Purchas Wind Co	Contingency Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment used Sales Fivel Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598 CTED DATA 75,064,600 153,308 151,060 127,367	\$ 56,81 \$ 24 \$ 4,44 \$ 4,44	24,116 23,088 192,458) 160,266) 	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,985) \$ (4,648,864) PROTECT \$ (18,203,218) \$ 104,452 \$ 4,281,170 \$ 4,185,272	ED DATA ENDS] -24.25% -68.13% -2834.09% -2834.09% -2834.09% -2834.09% -2834.09% -2834.99%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
133 Total System - Frame Level \$ 1/2/,421,381 \$ 9/,12/,884 \$ (32/,295,517) -24.98% Initial (WAPA) excluded from Total; Asset Based Sales subtract	133 134 135 136 137 138 139 139 140 141 142 142 143 144 145 146 147 148 149 150 151 152 153 154 155 155	Purchas Wind Co	Contingency Reserve Deployment Failure Charge Amount Net Regulation Adjustment Amount Total MISO ASM Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases urtailment used Sales Fivel Costs	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	52,113 9,621 23,011 13,508 (117,502) 2,788,598 CTED DATA 75,064,600 153,308 151,060 127,367	\$ 56,81 \$ 24 \$ 4,44 \$ 4,44	24,116 23,088 192,458) 160,266) 	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,985) \$ (4,648,864) PROTECT \$ (18,203,218) \$ 104,452 \$ 4,281,170 \$ 4,185,272	ED DATA ENDS] -24.25% -68.13% -2834.09% -2834.09% -2834.09% -2834.09% -2834.09% -2834.99%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
	133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 150 151 152 153 154 155 156 157 158	Purchas Wind Co	Contingency Reserve Deployment Failure Charge Amount Real Time Excessive Deficient Energy Deployment Charge Amount Net Regulation Adjustment Amount Total Wholesale Market Charges sed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Billateral purchases Market Purchases Total Purchases urtailment assed Sales Fuel Costs Asset Based Margins	S S S S S S S S S S	52,113 9,621 23,011 13,508 (117,502) 2,788,598 CTED DATA (5,064,600 153,308 151,060 127,367 23,693	\$ 56,81 \$ 22 \$ 4,43 \$ 4,3 \$ 11	24,116 23,088 92,458) 960,266) 360,266) 361,382 257,760 332,230 112,639 119,591	\$ (34,324) \$ (9,621) \$ 1,104 \$ 9,581 \$ (274,955) \$ (4,648,864) PROTECT \$ (18,203,218) \$ 104,452 \$ 4,281,170 \$ 4,185,272 \$ 95,898	ED DATA ENDS] -24.25% -68.13% -29.40% -100.71% -	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total

^{***} These energy related charge types are reported in Market Purchases

			Year to Date 20	20 Forecast to Actu	al - MWh	
		YTD 2020		Forecast to Actual	Forecast to Actual	
		Forecast	YTD 2020 Actual	Variance MWh	Variance %	Notes
Line 1	Plant Generation Big Stone	[PROTECTED DATA	BEGINS			
2	Coyote					
3	Hoot Lake #2 Hoot Lake #3					Actuals include Hoot Lake #2 and #3 combined
5	HOUL Lake #3			PROTE	CTED DATA ENDS]	
6	Total Coal	2,228,300	1,931,612	(296,688)	-13.31%	
7	Langdon Wind	[PROTECTED DAT	A BEGINS			
9	Langdon Wind Ashtabula Wind					
10	Luverne Wind					
11 12	Merricourt			PPOTE	CTED DATA ENDS]	Merricourt does not come into service until 2020
13	Total Wind	552,000	508,624	(43,376)	-7.86%	
14						
15 16	Total Hydro	19,100 [PROTECTED DAT	22,591	3,491	18.28%	
17	Jamestown 1	[FROTECTED DAT	A BEGINS			
18	Jamestown 2					
19 20	Lake Preston Fergus Control Center					
21					CTED DATA ENDS]	
22	Total Oil - Peaking Units	7,200	291	(6,909)		
23 24	Natural gas - Solway	[PROTECTED DAT	A BEGINS			
25	Natural gas - Solway					Astoria Station does not come into service until 2020
26				PROTE	CTED DATA ENDS]	
27 28	Total Natural Gas	35,900 [PROTECTED DAT	51,707 A REGINS	15,807	44.03%	
29	Solar - Blue Jay	[I KOTEOTED DAT	A DEGINO			
30	Solar - Blue Heron					
31 32	Total Solar	_	6	PROTE	CTED DATA ENDS] 0.00%	
33						
34	Total OTP-Owned	2,842,500	2,514,831	(327,669)	-11.53%	
35 36	Wholesale Market Charges					
37	MISO Wholesale Market Charges					
38	555.02 DA Asset Energy Amount***	N/A	N/A	N/A	N/A	
39 40	555.04 DA FBT Loss Amount 555.09 DA Non-asset Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
41	555.19 RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
42	555.24 RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43	555.21 RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
45	RT Loss Amount	N/A	N/A	N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***	N/A	N/A	N/A	N/A	
47 48	555.08 DA Losses Rebate on Option B GFA 555.12 DA Virtual Energy Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
49	555.32 RT Virtual Energy Amount	N/A	N/A	N/A	N/A	
50	555.01 DA Mkt Admin Amount	N/A	N/A	N/A	N/A	
51 52	555.18 RT Mkt Admin Amount 555.13 FTR Mkt Admin Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
53	555.03 DA FBT Congestion Amount	N/A	N/A	N/A	N/A	
54	DA Congestion	N/A	N/A	N/A	N/A	
55 56	555.2 RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
57	555.14 FTR Hourly Allocation Amount	N/A	N/A	N/A	N/A	
58	555.15 FTR Monthly Allocation Amount	N/A	N/A	N/A	N/A	
59 60	555.17 FTR Yearly Allocation Amount 555.35 FTR Monthly Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
61	555.36 FTR Full Funding Guarantee Amount	N/A	N/A	N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount	N/A	N/A	N/A	N/A	
63 64	555.39 FTR Auction Revenue Rights Transaction Amount 555.38 FTR Annual Transaction Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A	N/A	N/A N/A	
66	555.41 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 555.1 DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A N/A	N/A N/A	N/A N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amoun	N/A	N/A	N/A	N/A	
71 72	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	N/A	N/A N/A	
73	555.42 RT Price Volatility Make Whole Payment 555.28 RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
74	555.25 RT Misc Amount	N/A	N/A	N/A	N/A	
75	555.27 RT Net Inadvertent Amount	N/A	N/A	N/A	N/A	
76 77	555.31 RT Uninstructed Deviation Amount 555.59 RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
78	555.63 DA Ramp Product	N/A	N/A	N/A	N/A	
79	555.64 RT Ramp Product	N/A	N/A	N/A	N/A	
80 81	555.65 RT Schedule 49 Cost Distribution Amount 555.55 RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
82	555.56 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	

					1	
84	555.06 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	N/A	N/A	
86	555.23 RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87	Net Congestion and Losses Adjustment & No DA Generation Sch	N/A	N/A	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	555.03 DA Non-asset Energy Amount	N/A	N/A	N/A	N/A	
94	555.09 RT Asset Energy Amount***	N/A	N/A	N/A	N/A	
95	555 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	N/A	N/A	
97	555.1 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	N/A	N/A	
			N/A		N/A	
99 100	555.15 RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A	N/A		
	555.04 DA Regulation-Down Distribution Amount	N/A		N/A	N/A	
101	555.05 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	N/A	N/A	
103	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	N/A	N/A	
105	555.11 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	N/A	N/A	
107	555.13 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	N/A	N/A	
109	555.16 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	N/A	N/A	
111	555.2 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	N/A	N/A	
113	555.23 Miscellaneous Amount	N/A	N/A	N/A	N/A	
114	555.26 ARR Closeout Yearly Amount	N/A	N/A	N/A	N/A	
115	555.28 RT Demand Reduction Distribution Amount	N/A	N/A	N/A	N/A	
116	555.01 DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A	N/A	N/A	
117		N/A	N/A	N/A	N/A	
	555.22 DA GFA Carve Out Distribution Deployment Monthly Amount					
118	555.27 DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	N/A	N/A	
119	Total SPP Wholesale Market Charges					
120						
121	MISO ASM					
122	Day Ahead Regulation Amount	N/A	N/A	N/A	N/A	
123	Real Time Regulation Amount	N/A	N/A	N/A	N/A	
124	Regulation Cost Distribution Amount	N/A	N/A	N/A	N/A	
125	Day Ahead Spinning Reserve Amount	N/A	N/A	N/A	N/A	
126	Real Time Spinning Reserve Amount	N/A	N/A	N/A	N/A	
127	Spinning Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
128	Day Ahead Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
129	Real Time Supplemental Reserve Amount	N/A	N/A	N/A	N/A	
130	Supplemental Reserve Cost Distribution Amount	N/A	N/A	N/A	N/A	
131	Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	N/A	N/A	
132	Real Time Excessive Deficient Energy Deployment Charge Amou		N/A	N/A	N/A	
	Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
133 134	Total MISO ASM	IN/A	IN/A	IN/A	IN/A	
	TOTAL MISO ASM					
135	T-4-118011-847 (O)					
136	Total Wholesale Market Charges					
137						
138						
139	Purchased Power					
140		[PROTECTED DATA	A BEGINS			
141	Edgeley PPA					
142	Langdon PPA					
143	Ashtabula III PPA					
144	Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
145	WAPA Energy Imbalance					
146	Shared Loads					
147	Small Co-gen					
148	Bilateral purchases					
149	Market Purchases					MISO and SPP Energy Only
150	INIAI NOC 1 UI UI Id SCS			DDOTE	CTED DATA ENDS	miles and or i Energy Only
	Total Possibara	2,477,900	2,686,642			Tribal (WAPA) excluded from Total
151	Total Purchases	2,411,900	∠,686,642	208,742	8.42%	Inibal (WAFA) excluded from Total
152	Wind Curtailment	_	0 710		0.000	Other Tell all death for each Mile I Out all the end NAMe in the COOK Fee
153	wing Curtailment	-	6,743	6,743	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154			***	***		0 THE AMERICA OF THE TAIL
155	Asset Based Sales	5,600	233,830	228,230	4075.53%	Credit to MN FCA Calculation - Subtracted from Total
	<u>'</u>	1				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156	Fuel Costs				<u></u>	Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
457	Accet Recod Margine					
	Asset Based Margins		-	-		Based Sales
157	*					
158		F 044 000	4.074.007	(040.112)	0 4007	Table (MADA) and ball from Table Asset December 1977
	Total System - Plant Level	5,314,800	4,974,387	(340,413)	-6.40%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Total Note Profession Pro							
Proceedings				Year to Date 2020	Forecast to Actua	al - \$ per M	Wh
PROTECTED DATA BERNING. PROTECTED DATA B							
1 10 20 20 20 20 20 20				Forecast	YTD 2020 Actual		Notes
Copyet				[PROTECTED DATA	BEGINS		
Security Security			Big Stone				
March Second			Coyote				
### PROTECTED DATA BEGINS			Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
Column			Hoot Lake #3				
			T-t-101		PROTECTED DA		
B			I otal Coal	\$ 22.59	\$ 23.36		
Authorities Wired			Lauraden Wind	[PROTECTED DATA	A BEGINS		
Description Process							
Marriague			Luverne Wind				
Total Wint Total Wint S			Merricourt				Merricourt does not come into service until 2020
Total Wind S					PROTECTED DA	TA ENDS1	
Total Hydro 3	13		Total Wind				
PROTECTED DATA BEGINS	14						
	15		Total Hydro				
				[PROTECTED DATA	BEGINS		
			Jamestown 1				
PROTECTED DATA ENDS							
Total Oil - Peaking Units 1							
Total Oil - Peaking Units \$ 45.9 \$ 65.18			Fergus Control Center		DDOTEOTED DA	TA ENDOS	
PROTECTED DATA BEGINS.	27	-	Total Oil Booking Units	. AE FO			
Age		-	i otal Oil - Peaking Units	IDDOTECTED DATA	A REGINS	1	
April 1985 PROTECTED DATA BROSS PROTECT		-	Natural das - Solway	I KOJECIED DATA	DEGING	-	
Total Natural Gas Section Sect		 	Natural gas - Astoria			†	Astoria Station does not come into service until 2020
Total Natural Gas \$ 25.13 \$ 18.99 PROTECTED DATA BERDINS Solar - Blue Heron					PROTECTED DA	TA ENDS1	The second and second
PROTECTED DATA BEGINS	27		Total Natural Gas	\$ 25.13	\$ 18.99		
Solar - Bits - Heron				[PROTECTED DATA	BEGINS		
Solar - Blue Heron	29						
Total Other S							
Total OTP-Owned S						TA ENDS]	
Total OTP-Owned S			Total Solar	\$ -	\$ -		
Section							
Wholesale Market Charges			Total OTP-Owned	\$ 18.14	\$ 18.41		
MISO Wholesele Market Charges							
855.02 DA Asset Energy Amount** NA N/A 95.05.09 DA FET Loss Amount** NA N/A 1.05.19 RT Asset Energy Amount*** NA N/A 1.05.19 RT Asset Energy Amount*** NA N/A 1.05.19 RT Asset Energy Amount*** NA N/A 1.05.19 RT Asset Energy Amount** NA N/A 1.05.19 RT Asset Energy Amount** NA N/A 1.05.19 RT Asset Energy Amount** NA N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N/A 1.05.10 RT Asset Energy Amount** NA N/A N/A N	36	Wholes	ale Market Charges				
95.50.6 DA FBT Loss Amount		FFF 00	MISO Wholesale Market Charges	NI/A	N//A		
40		555.02	DA CRT Less Amount				
41 555.19 RT Asset Energy Amount**		555.04	DA Non accet Energy Amount***				
42 555.24 RT Distribution of Loses Amount		555 10	PT Asset Energy Amount***				
43 555.21 RT FBT Loss Amount		555.13	RT Distribution of Losses Amount				
Additional Content							
48			DA Loss Amount		N/A		
46			RT Loss Amount		N/A		
47 555.08 DA Losses Rebate on Option B GFA N/A N/A N/A N/A S55.32 RT Virtual Energy Amount N/A 46			N/A	N/A			
48		555.08	DA Losses Rebate on Option B GFA				
49 555.32 RT Virtual Energy Amount N/A		555.12	DA Virtual Energy Amount				
550.1 DA Michafmin Amount		555.32	RT Virtual Energy Amount				
SSS.13 FTR Michage M		555.01	DA Mkt Admin Amount		N/A		
550.03 DA FBT Congestion Amount		555.18	RT Mkt Admin Amount	N/A	N/A		
Section							
55 555.2 RT ED Congestion Amount N/A N/A N/A 56 RT Congestion N/A N/A N/A 57 555.14 FTR Houtly Allocation Amount N/A N/A 58 355.15 FTR Worthly Allocation Amount N/A N/A 60 555.35 FTR Monthly Transaction Amount N/A N/A 61 555.36 FTR FUE Transaction Amount N/A N/A 62 555.37 FTR Guarantee Uplift Amount N/A N/A 63 555.39 FTR Annual Transaction Amount N/A N/A 64 555.39 FTR Annual Transaction Amount N/A N/A 64 555.39 FTR Annual Transaction Amount N/A N/A 65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A 66 555.41 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A 67 255.07 DA Congestion Rebate on Option B GFA N/A N/A N/A <t< td=""><td></td><td>555.03</td><td>DA Congestion Amount</td><td></td><td></td><td> </td><td></td></t<>		555.03	DA Congestion Amount			 	
Section		55F 2	DA Congestion Amount			 	
FTR							
58 555.15 ITR Wearly Allocation Amount N/A N/A 69 555.17 FTR Yearly Allocation Amount N/A N/A 60 555.35 FTR Monthly Transaction Amount N/A N/A 61 555.36 FTR FUIL Funding Guarantee Amount N/A N/A 61 555.37 FTR Guarantee Uplift Amount N/A N/A 63 555.39 FTR Audion Revenue Rights Transaction Amount N/A N/A 64 555.38 FTR Audion Revenue Rights Infeasible Uplift Amount N/A N/A 65 555.40 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A 66 555.41 FTR R 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 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 71 555.20 RT Price Vo		555 1/	FTR Hourly Allocation Amount			 	
59		555 15	FTR Monthly Allocation Amount			†	
60							
555.36 TR Full Funding Guarantee Amount N/A N/A		555.35	FTR Monthly Transaction Amount	N/A			
62		555.36	FTR Full Funding Guarantee Amount				
63 555.39 FTR Auction Revenue Rights Transaction Amount N/A N/A 64 555.38 FTR Aurual Transaction Amount N/A N/A 65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A 66 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A 67 555.07 DA Congestion Rebate on Option B GFA N/A N/A 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A 69 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A 72 555.42 RT Price Volatility Make Whole Pymt Amount N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 74 555.27 RT Revenue Neutrality Uplift Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.63 DA Ramp Product N/A N/A 79 555.64 RT Ramp Product N/A N/A 79 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A 78 555.65 RT ASM Non-Excessive Energy Amount** N/A N/A 79 555.65 RT ASM Non-Excessive Energy Amount** N/A N/A 70 555.50 RT ASM Excessive Energy Amount** N/A N/A 70 N/A N/A N/A N/A 71 555.50 RT ASM Scoressive Energy Amount** N/A N/A 72 555.50 RT ASM Scoressive Energy Amount** N/A N/A N/A 79 555.50 RT ASM Scoressive Energy Amount** N/A N/A N/A 70 555.50 RT ASM Scoressive Energy Amount** N/A N/A N/A 71 72 73 74 74 74 74 74 74 74		555.37	FTR Guarantee Uplift Amount				
64 555.38 FTR Annual 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 N/A 67 555.07 DA Congestion Rebate on Option B GFA N/A N/A N/A 68 555.11 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A N/A 69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A 70 555.22 PR TR Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A 71 555.3 R TR Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A N/A 71 555.2 R TR Revenue Sufficiency Cuarantee Make Whole Pymt Amount N/A N/A N/A 72 555.2 R TR Revenue Sufficiency Cuarantee Make Whole Pymt Amount N/A N/A N/A 73 555.28 R TR Revenue Sufficiency Cuarantee Make Whole Pymt Amount N/A N/A N/A 74 555.27 R TR Vel Inadvertent Amount	63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
65 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A N/A 66 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A 67 555.07 DA Congestion Rebate on Option B GFA N/A N/A 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A 69 555.1 DA Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 72 555.42 RT Price Volatility Make Whole Pymt Amount N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 74 555.25 RT Miss Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Unistructed Deviation Amount N/A N/A 79 555.69 <td>64</td> <td>555.38</td> <td>FTR Annual Transaction Amount</td> <td>N/A</td> <td>N/A</td> <td></td> <td></td>	64	555.38	FTR Annual Transaction Amount	N/A	N/A		
66 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A N/A 67 555.07 DA Congestion Rebate on Option B GFA N/A N/A 68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A 69 555.1 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 72 555.24 RT Price Volatility Make Whole Pymt Amount N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 74 555.25 RT Misc Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 79 555.64 RT Ramp Product N/A N/A 70 555.56 RT Schedule 49 Cost Distribution Amount N/A N/A 71 N/A N/A 72 555.56 RT Schedule 49 Cost Distribution Amount N/A N/A 74 555.56 RT Schedule 49 Cost Distribution Amount N/A N/A 75 555.56 RT Schedule 49 Cost Distribution Amount N/A N/A 76 555.57 RT Schedule 49 Cost Distribution Amount N/A N/A 77 555.56 RT Schedule 49 Cost Distribution Amount N/A N/A 78 555.56 RT ASM Non-Excessive Energy Amount*** N/A N/A 79 555.56 RT ASM Non-Excessive Energy Amount*** N/A N/A 70 N/A N/A N/A 71 N/A N/A N/A N/A 72 555.56 RT ASM Non-Excessive Energy Amount*** N/A N/A 73 N/A N/A N/A N/A N/A 74 N/A N/A N/A N/A N/A 75 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A 76 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A 77 N/A N/A N/A N/A N/A		555.40	FTR Auction Revenue Rights Infeasible Uplift Amount				
68 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A N/A 69 555.1 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 71 555.20 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 72 555.42 RT Flore Volatility Make Whole Payment N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 74 555.25 RT Misc Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Unistructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 79 555.64 RT Ramp Product N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount		555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount				
69 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 70 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 72 555.42 RT Price Volatility Make Whole Payment N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 74 555.28 RT Revenue Neutrality Uplift Amount N/A N/A 75 555.27 RT Met Inadvertent Amount N/A N/A 76 555.27 RT Vet Inadvertent Amount N/A N/A 76 555.51 RT Uninstructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.50 BA Camp Product N/A N/A 80 555.55 RT Ramp Product N/A N/A 80 555.55 RT RASM Non-Excessive Energy Amount*** N/A <td< td=""><td></td><td>555.07</td><td>DA Congestion Rebate on Option B GFA</td><td></td><td>N/A</td><td></td><td></td></td<>		555.07	DA Congestion Rebate on Option B GFA		N/A		
70 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A N/A 71 555.28 RT Price Volatility Guarantee Make Whole Pymt Amount N/A N/A 72 555.42 RT Price Volatility Make Whole Payment N/A N/A 73 555.28 RT Revenue Neutrality Uplif Amount N/A N/A 74 555.27 RT Misc Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Unistructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.59 RT Ramp Product N/A N/A 80 555.64 RT Ramp Product N/A N/A 80 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.56 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.50 DA Congestion Rebate on COGA N/A N/A		555.1	DA Revenue Sufficiency Guarantee Distribution Amount				
71 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A N/A 72 555.42 RT Price Volatility Make Whole Payment N/A N/A N/A 73 555.28 RT Revenue Neutrality Uplift Amount N/A N/A N/A 74 555.26 RT Miss Amount N/A N/A N/A 75 555.27 RT Ret Indevertent Amount N/A N/A N/A 76 555.31 RT Demard Response Allocation Uplift Amount N/A N/A N/A 77 555.59 RT Demard Response Allocation Uplift Amount N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A N/A 82 555.50 BT ASM Excessive Energy Amount*** N/A <td></td> <td>555.11</td> <td>DA Revenue Sufficiency Guarantee Make Whole Pymt Amount</td> <td></td> <td></td> <td></td> <td></td>		555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount				
72 555.42 RT Price Volatility Make Whole Payment N/A N/A 73 555.28 RT Revenue Neutrality Upift Amount N/A N/A N/A 74 555.27 RT Net Inadvertent Amount N/A N/A N/A 75 555.27 RT Venistructed Deviation Amount N/A 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 N/A 78 555.63 DA Ramp Product N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A 80 555.65 RT RS Schedule 49 Cost Distribution Amount N/A N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A N/A 82 555.56 RT ASM Swessive Energy Amount*** N/A N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A<		555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount				
73 555.28 RT Revenue Neutrality Upliff Amount N/A N/A 74 555.28 RT Mise Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A 76 555.31 RT Uninstructed Deviation Amount N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.60 RT Agamp Product N/A N/A 79 556.64 RT Ramp Product N/A N/A 80 555.55 ST ST Schedule 49 Cost Distribution Amount N/A N/A 81 555.55 ST 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 D BA Cognision Rebate on COGA N/A N/A		555.3	RT Revenue Surriciency Guarantee Make Whole Pymt Amount			 	
74 555.25 RT Misc Amount N/A N/A 75 555.27 RT Net Inadvertent Amount N/A N/A N/A 76 555.21 RT Uninstructed Deviation Amount N/A N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A 80 555.65 RT SCHedule 49 Cost Distribution Amount N/A N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A N/A 82 555.50 RA Congestion Rebate on COGA N/A N/A N/A		555.42	PT Povonuo Noutrolity Unlift Amount				
75 555.27 RT Net Inadvertent Amount N/A N/A N/A 76 555.31 RT Lonistructed Everiation Amount N/A N/A N/A 77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A N/A 78 555.60 DA Ramp Product N/A N/A N/A 79 556.64 RT Ramp Product N/A N/A N/A 80 555.55 ST S Should 49 Cost Distribution Amount N/A N/A N/A 81 555.55 ST RT ASM Non-Excessive Energy Amount*** N/A N/A N/A 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A N/A 83 555.05 D DA Congestion Rebate on COGA N/A N/A N/A		555.28 555.25	PT Misc Amount		N/A		
76 555.31 RT Uninstructed Deviation Amount N/A N/A 77 555.95 RT Demand Response Allocation Uplift Amount N/A N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A 79 555.64 RT Ramp Product N/A 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 82 555.60 DA Congestion Rebate on COGA N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A	75	555.20	RT Net Inadvertent Amount	N/A N/A		 	
77 555.59 RT Demand Response Allocation Uplift Amount N/A N/A 78 555.63 DA Ramp Product N/A N/A N/A 79 555.64 RT Ramp Product N/A N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A 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 N/A 83 555.05 DA Congestion Rebate on COGA N/A 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 82 555.05 DA Congestion Rebate on COGA N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A		555.59	RT Demand Response Allocation Unlift Amount			†	
79 555.64 RT Ramp Product N/A N/A 80 555.65 RT Schedule 49 Cost Distribution Amount N/A 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							
80 555.65 RT Schedule 49 Cost Distribution Amount N/A N/A 81 555.55 RT ASM Non-Excessive Energy Amount*** N/A N/A 82 555.56 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A							
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		555.65	RT Schedule 49 Cost Distribution Amount				
82 555.56 RT ASM Excessive Energy Amount*** N/A N/A 83 555.05 DA Congestion Rebate on COGA N/A N/A		555.55	RT ASM Non-Excessive Energy Amount***				
83 555.05 DA Congestion Rebate on COGA N/A N/A		555.56	RT ASM Excessive Energy Amount***				
		555.05	DA Congestion Rebate on COGA				
	84			N/A	N/A		

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85	555.22	RT Congestion Rebate on COGA	N/A	N/A		
86	555.23	RT Loss Rebate on COGA	N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A		
88						
89		Total MISO Wholesale Market Charges				
90						
91		SPP Wholesale Market Charges				
92	555.19	DA Asset Energy Amount***	N/A	N/A		
93		DA Non-asset Energy Amount	N/A	N/A		
94	555.09	RT Asset Energy Amount***	N/A	N/A		
95		RT Non-Asset Energy Amount	N/A	N/A		
96		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		RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
100		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		RT Over-Collected Losses Distribution Amount	N/A	N/A		
106		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		RT Spinning Reserve Distribution Amount	N/A	N/A		
110		RT Supplemental Reserve Distribution Amount	N/A	N/A		
111		RT Pseudo Tie Congestion Amount	N/A	N/A		
112		RT Pseudo Tie Loss Amount	N/A	N/A		
113	555.23	Miscellaneous Amount	N/A	N/A		
114	555.26	ARR Closeout Yearly Amount	N/A	N/A		
115		RT Demand Reduction Distribution Amount	N/A	N/A		
116		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
119		Total SPP Wholesale Market Charges				
120						
121		MISO ASM				
122		Day Ahead Regulation Amount	N/A	N/A		
123		Real Time Regulation Amount	N/A	N/A		
124		Regulation Cost Distribution Amount	N/A	N/A		
125		Day Ahead Spinning Reserve Amount	N/A	N/A		
126		Real Time Spinning Reserve Amount	N/A	N/A		
127		Spinning Reserve Cost Distribution Amount	N/A	N/A		
128		Day Ahead Supplemental Reserve Amount	N/A	N/A		
129		Real Time Supplemental Reserve Amount	N/A	N/A		
130		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
131		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
132		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
133		Net Regulation Adjustment Amount	N/A	N/A		
134		Total MISO ASM				
135						
136		Total Wholesale Market Charges				
137						
138						
139	Purchas	sed Power				
140			[PROTECTED DATA	A BEGINS		
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtabula III PPA				
144		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
145		WAPA Energy Imbalance				
146		Shared Loads				
147		Small Co-gen				
148		Bilateral purchases				
149		Market Purchases				MISO and SPP Energy Only
150				PROTECTED DAT	A ENDS]	
151		Total Purchases	\$ 30.29	\$ 21.16		Tribal (WAPA) excluded from Total
152						
153	Wind C	urtailment	N/A	\$ 38.23		
154						
155	Asset B	ased Sales	\$ 26.97	\$ 18.95		
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
156		Fuel Costs	N/A	N/A		Based Sales
					1 .	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
157		Asset Based Margins	N/A	N/A		Based Sales
158		-				
159	Total S	stem - Plant Level	\$ 24.35	\$ 19.52		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Attachment 4

Rate Schedule

Section 13.01

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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. The billed EAF amount per kWh (rounded to the nearest 0.001¢) is the amount the Class Base Cost of Energy is above or below the Class EAF. 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:

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- 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.
 - ergy **N**
- 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
- 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

- N N
- 5. Renewable energy purchased for the Tail *Winds* program is not included in the cost of energy adjustment calculation.

Orders.



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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 N 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
Large General Service	10.04, 10.05	0.9546
Irrigation Services	11.02	0.9585
Outdoor Lighting	11.03, 11.04	0.8367
OPA	11.05	1.0373
Controlled Service-Water Heating	14.01	1.0898
Controlled Service- Interruptible	14.04, 14.05	1.0945
Controlled Service - Deferred	14.06, 14.07	0.9846



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CLASS BASE COST OF ENERGY: The System Average Base Cost of Energy is \$0.024652 per kWh. The class-specific Base Cost of Energy is obtained by multiplying the Average Base Cost of Energy by the applicable EAF Ratio.

Service Category	Base Cost of Energy
Residential	\$0.026706
Farms	\$0.025803
General Service	\$0.026050
Large General Service	\$0.023533
Irrigation Services	\$0.023629
Outdoor Lighting	\$0.020626
OPA	\$0.025572
Controlled Service-	\$0.026866
Water Heating	
Controlled Service-	\$0.026982
Interruptible	
Controlled Service -	\$0.024272
Deferred	

The Class Base Cost of Energy table above represents the Base Cost of Energy and does not reflect the billed EAF.

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 0.001ϕ), the true-up balance will carry over to the next year's true-up.

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



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

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

Line No.	Based on Period Ending	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
1	COAL	201,044,715	189,272,941	169,957,568	148,693,014	52,500,961	86,484,893	166,851,398	158,857,820	79,394,016	135,724,946	147,438,177	173,399,312
2	BIOMASS	0	0	0	0	0	0	0	0	0	0	0	0
3	HYDRO	2,026,326	1,897,481	2,107,183	2,091,001	1,991,356	1,973,287	1,868,357	1,855,237	1,807,295	1,321,911	1,731,906	1,919,291
4	GAS	4,901,118	5,601,216	2,218,057	2,590,069	1,814,644	4,689,437	8,417,454	3,504,645	(59,403)	4,989,022	(66,489)	1,481,153
5	WIND	38,481,299	43,877,266	43,145,665	33,197,844	36,716,503	34,995,075	26,185,239	25,414,650	38,242,562	43,334,680	66,304,772	78,728,236
6	SOLAR	0	0	0	0	0	0	0	0	0	0	3,486	2,729
7	FUEL OIL	(42,548)	(563)	114	(1,669)	5,943	23,001	74,011	34,481	7,697	(16,695)	0	(3,472)
8	UNKNOWN	203,144,419	229,227,858	263,658,097	191,162,415	217,705,447	256,706,697	202,870,484	197,933,913	162,883,393	216,755,566	344,346,476	206,993,329
9	1-MONTH TOTAL	449.555.329	469.876.199	481.086.684	377.732.675	310.734.854	384.872.389	406.266.943	387.600.746	282.275.560	402.109.430	559.758.328	462.520.578

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

Line		Based on Period Ending	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
No.		ERGY TYPE:												
1 2 3 4 5 6 7	GENERATION	COAL BIOMASS HYDRO GAS WIND FUEL OIL UNKNOWN	\$4,388,536 \$0 \$0 \$92,844 \$0 \$1,560 \$0	\$4,308,601 \$0 \$0 \$99,940 \$0 \$17,598 \$0	\$4,023,660 \$0 \$0 \$31,214 \$0 \$9,183 \$0	\$3,603,624 \$0 \$0 \$51,052 \$0 \$4,999 \$0	\$1,661,192 \$0 \$0 \$29,301 \$0 \$5,745 \$0	\$2,683,080 \$0 \$0 \$69,581 \$0 \$14,706 \$0	\$4,147,944 \$0 \$0 \$134,223 \$0 \$29,499 \$0	\$3,735,962 \$0 \$0 \$76,517 \$0 \$9,630 \$0	\$2,018,596 \$0 \$0 (\$9,026) \$0 \$5,259 \$0	\$3,375,930 \$0 \$0 \$95,222 \$0 \$4,176 \$0	\$3,144,231 \$0 \$0 (\$8,358) \$0 \$15,005 \$0	\$4,079,082 \$0 \$0 \$29,488 \$0 \$3,783 \$0
8 9 10 11 12 13 14 15	PURCHASES NET	COAL BIOMASS HYDRO GAS WIND SOLAR FUEL OIL UNKNOWN	\$0 \$0 \$0 \$0 \$829,454 \$658 \$0 \$4,019,312	\$0 \$0 \$0 \$0 \$965,858 \$710 \$0 \$5,059,360	\$0 \$0 \$0 \$0 \$1,221,358 \$2,084 \$0 \$5,084,503	\$0 \$0 \$0 \$0 \$1,008,075 \$2,078 \$0 \$3,154,379	\$0 \$0 \$0 \$0 \$668,130 \$2,455 \$0 \$3,503,429	\$0 \$0 \$0 \$0 \$968,367 \$3,047 \$0 \$2,836,539	\$0 \$0 \$0 \$0 \$948,294 \$2,863 \$0 \$3,045,393	\$0 \$0 \$0 \$0 \$342,947 \$2,537 \$0 \$3,698,231	\$0 \$0 \$0 \$0 \$565,352 \$2,857 \$0 \$3,218,471	\$0 \$0 \$0 \$0 \$1,388,090 \$2,315 \$0 \$2,831,983	\$0 \$0 \$0 \$0 \$1,161,812 \$1,395 \$0 \$3,016,813	\$0 \$0 \$0 \$0 \$1,163,182 \$1,114 \$0 \$4,415,841
16		1-MONTH TOTAL	\$9,332,364	\$10,452,068	\$10,372,001	\$7,824,207	\$5,870,251	\$6,575,321	\$8,308,216	\$7,865,824	\$5,801,508	\$7,697,716	\$7,330,897	\$9,692,490
17	RETAIL kWh SALES	1-MONTH TOTAL	525,803,882	485,700,007	447,004,344	424,301,304	342,631,227	318,787,814	377,629,725	370,769,899	348,118,753	340,535,416	381,354,135	420,149,651
18	ACTUAL COST (cents	/kWh)	1.77488	2.15196	2.32034	1.84402	1.71329	2.06260	2.20010	2.12148	1.66653	2.26047	1.92233	2.30691
	ONE-MONTH COST D BY ENERGY TYPE													
19 20 21 22 23 24 25	GENERATION	COAL BIOMASS HYDRO GAS WIND FUEL OIL UNKNOWN	0.83463 0.00000 0.00000 0.01766 0.00000 0.00030 0.00000	0.88709 0.00000 0.00000 0.02058 0.00000 0.00362 0.00000	0.90014 0.00000 0.00000 0.00698 0.00000 0.00205 0.00000	0.84931 0.00000 0.00000 0.01203 0.00000 0.00118 0.00000	0.48483 0.00000 0.00000 0.00855 0.00000 0.00168 0.00000	0.84165 0.00000 0.00000 0.02183 0.00000 0.00461 0.00000	1.09842 0.00000 0.00000 0.03554 0.00000 0.00781 0.00000	1.00762 0.00000 0.00000 0.02064 0.00000 0.00260 0.00000	0.57986 0.00000 0.00000 -0.00259 0.00000 0.00151 0.00000	0.99136 0.00000 0.00000 0.02796 0.00000 0.00123 0.00000	0.82449 0.00000 0.00000 -0.00219 0.00000 0.00393 0.00000	0.97086 0.00000 0.00000 0.00702 0.00000 0.00090 0.00000
26 27 28 29 30 31 32 33	PURCHASES	COAL BIOMASS HYDRO GAS WIND SOLAR FUEL OIL UNKNOWN	0.00000 0.00000 0.00000 0.00000 0.15775 0.00013 0.00000 0.76441	0.00000 0.00000 0.00000 0.00000 0.19886 0.00015 0.00000 1.04166	0.00000 0.00000 0.00000 0.00000 0.27323 0.00047 0.00000 1.13746	0.00000 0.00000 0.00000 0.00000 0.23758 0.00049 0.00000 0.74343	0.00000 0.00000 0.00000 0.00000 0.19500 0.00072 0.00000 1.02251	0.00000 0.00000 0.00000 0.00000 0.30377 0.00096 0.00000 0.88979	0.00000 0.00000 0.00000 0.00000 0.25112 0.00076 0.00000 0.80645	0.00000 0.00000 0.00000 0.00000 0.09250 0.00068 0.00000 0.99745	0.00000 0.00000 0.00000 0.00000 0.16240 0.00082 0.00000 0.92453	0.00000 0.00000 0.00000 0.00000 0.40762 0.00068 0.00000 0.83163	0.00000 0.00000 0.00000 0.00000 0.30465 0.00037 0.00000 0.79108	0.00000 0.00000 0.00000 0.00000 0.27685 0.00027 0.00000 1.05102
34	ACTUAL COST (cents	/kWh)	1.77488	2.15196	2.32034	1.84402	1.71329	2.06260	2.20010	2.12148	1.66653	2.26047	1.92233	2.30691

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

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MONTHLY COST COMPONENTS BY FUEL TYPE

		January F	ebruary Ma	arch	April	May	June	July	August	September	October	November	December
Cost of delivered coal by plant	(1)		DATA BEGIN		•	,		•	Ü				
2003 Big Stone cost per Mbtu		-											
2004 Big Stone cost per Mbtu													
2005 Big Stone cost per Mbtu													
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													
2003 Coyote cost per Mbtu													
2004 Coyote cost per Mbtu													
2005 Coyote 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													
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2012 Coyote cost per Mbtu													
2013 Coyote cost per Mbtu													
2014 Coyote cost per Mbtu													
2015 Coyote cost per Mbtu													
2016 Coyote cost per Mbtu													
2017 Coyote cost per Mbtu													
2018 Coyote cost per Mbtu 2019 Coyote cost per Mbtu													
2020 Coyote cost per Mbtu													
2020 Obyote Cost per Wibta													
2003 Hoot Lake cost per Mbtu													
2004 Hoot Lake cost per Mbtu													
2005 Hoot Lake 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											PPOTE	CTED DATA	ENDS1

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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

			March	April	May	June	July	August	September	October	November	December
	[PROTECTED	DATA BEG	INS									
2003 Solway Plant cost per Mbtu						5.53	6.16	5.55	7.74	4.17	4.46	5.13
2004 Solway Plant cost per Mbtu												
2005 Solway Plant cost per Mbtu												
2006 Solway Plant cost per Mbtu 2007 Solway Plant cost per Mbtu												
2008 Solway Plant cost per Mbtu												
2009 Solway Plant cost per Mbtu												
2010 Solway Plant cost per Mbtu												
2011 Solway Plant cost per Mbtu												
2012 Solway Plant cost per Mbtu												
2013 Solway Plant cost per Mbtu												
2014 Solway Plant cost per Mbtu												
2015 Solway Plant cost per Mbtu												
2016 Solway Plant cost per Mbtu												
2017 Solway Plant cost per Mbtu 2018 Solway Plant cost per Mbtu												
2019 Solway Plant cost per Mbtu												
2020 Solway Plant cost per Mbtu												
, ,										PROTE	CTED DATA	ENDS]
Cost of delivered nuclear fuel - not applicable												
Cost of delivered oil												
2003 IC Plants and FF Control Ctr diesel, \$/Mbtu	6.43	6.86	7.36	10.43	2.71	6.93	6.64	7.07	6.93	7.14	7.00	6.93
2004 IC Plants and FF Control Ctr diesel, \$/Mbtu 2005 IC Plants and FF Control Ctr diesel, \$/Mbtu	6.86 7.93	7.14 7.93	6.86 7.93	6.86 9.93	6.93 9.93	7.07 10.79	7.50 11.43	7.50 12.00	7.29 11.29	7.43 12.29	7.50 12.86	7.93 13.43
2006 IC Plants and FF Control Ctr diesel, \$/Mbtu	12.86	13.14	12.93	13.29	13.29	14.07	13.21	17.14	15.36	16.00	15.79	15.43
2007 IC Plants and FF Control Ctr diesel, \$/Mbtu	15.79	15.07	15.07	15.21	15.43	15.50	15.86	15.43	16.07	16.00	16.07	16.07
2008 IC Plants and FF Control Ctr diesel, \$/Mbtu	16.36	16.71	16.79	16.71	0	15.14	18.07	16.50	12.64	17.50	13.79	17.00
2009 IC Plants and FF Control Ctr diesel, \$/Mbtu	13.57	0.00	0.00	12.64	15.36	0.00	0.00	16.79	16.07	16.07	15.79	15.79
2010 IC Plants and FF Control Ctr diesel, \$/Mbtu		12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29	16.21	17.21
2011 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43	20.21	17.29
2012 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	20.57	20.57	20.57	19.86	19.93	20.93	14.29	22.07 17.79	17.93	22.21
2013 IC Plants and FF Control Ctr diesel, \$/Mbtu 2014 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.71 21.21	0.00 22.14	19.36 20.07	17.86 19.07	0.00 22.14	17.79 19.93	0.00 21.00	21.36 0.00	17.86 22.29	19.93	19.00 0.00	22.07 19.93
2015 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.93	21.64	22.14	14.29	20.50	21.14	21.64	15.93	0.00	16.07	20.65	20.95
2016 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.62	21.32	18.20	22.14	16.36	22.13	21.15	22.22	20.18	16.15	16.15
2017 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.37	19.32	16.87	20.19	16.72	20.13	20.17	21.67	21.90	17.28	22.11
2018 IC Plants and FF Control Ctr diesel, \$/Mbtu	20.67	16.15	18.70	22.11	18.42	16.57	20.86	19.42	17.50	20.05	20.05	16.61
2019 IC Plants and FF Control Ctr diesel, \$/Mbtu	18.78	17.74	17.13	17.82	16.80	0.00	0.00	0.00	0.00	17.11	17.81	16.72
2020 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.40	17.05	14.38	15.67	15.69	14.92	15.23	14.65	14.28	14.65	14.54	14.28
Cost of wholesale purchases (\$/MWh) without	RSG or RNU	harges (2)										
2003 Purchased Power	29.45	32.70	43.26	33.70	33.45	34.17	32.59	25.98	25.77	31.16	21.00	37.37
2004 Purchased Power	36.62	40.15	23.88	34.22	41.15	38.44	45.39	41.77	38.79	35.56	34.57	36.66
2005 Purchased Power	39.17	40.07	38.05	17.35	23.54	21.48	11.86	16.72	11.48	14.35	11.13	28.17
2006 Purchased Power	32.43	53.34	49.82	36.19	43.46	50.81	128.29	58.97	65.01	52.14	61.35	42.55
2007 Purchased Power	38.64	82.81	55.89	64.08	56.05	59.22	46.31	41.13	47.17	44.61	53.65	63.58
2008 Purchased Power 2009 Purchased Power	61.28 59.90	74.56 59.86	69.65 32.18	68.19 26.22	39.65 34.01	49.85 32.41	57.12 32.04	52.07 38.92	42.47 37.51	45.91 44.60	49.02 36.69	52.47 41.36
2010 Purchased Power	58.11	57.90	49.57	49.04	37.80	33.02	37.69	41.60	40.25	39.47	28.31	33.43
2011 Purchased Power	35.68	35.89	31.89	32.53	38.17	84.70	12.52	48.38	35.39	31.31	26.86	32.18
2012 Purchased Power	31.08	30.72	30.75	25.00	29.55	34.91	38.41	45.41	38.95	28.64	30.13	31.64
2013 Purchased Power	33.82	32.37	31.50	36.33	35.14	30.56	36.22	38.82	47.32	31.31	31.04	39.19
2014 Purchased Power	39.32	48.75	49.66	27.76	48.69	33.97	32.60	29.36	28.60	33.58	33.55	34.85
2015 Purchased Power	38.50	35.43	35.23	28.46	28.50	27.05	28.15	31.51	27.51	27.00	21.91	21.44
2016 Purchased Power	27.88	25.03	23.90	23.15	22.89	24.35	34.24	36.67	29.49	24.10	26.47	27.93
2017 Purchased Power	29.77	25.82	27.00	28.86	28.80	28.26	28.93	26.62	25.05	25.17	31.12	22.29
2018 Purchased Power 2019 Purchased Power	36.16 29.84	31.00 36.30	27.24 34.16	29.54 28.04	29.23 24.78	28.62 22.66	38.93 24.02	36.53 22.08	30.21 27.57	28.62 22.86	30.66 27.63	34.45 24.12
2020 Purchased Power	23.99	26.18	24.00	21.89	18.96	14.65	19.85	20.78	18.99	19.48	12.12	26.77
		-									_	

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

⁽²⁾ Is not retail

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-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
1	Big Stone Plant	OTP.BIGSTON1	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2	Coyote Station	OTP.COYOT1	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4	129.4
3	FPL Energy ND Wind II	OTP.EDGLYEDGL	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
4	Hoot Lake 2	OTP.HOOTL2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
5	Hoot Lake 3	OTP.HOOTL3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6	Jamestown 1	OTP.JAMSPK1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
7	Jamestown 2	OTP.JAMSPK2	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
8	Lake Preston	OTP.HETLA1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
	Solway	OTP.SOLWAYO1	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
9	Solway	OTF.SOLWATOT	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
LOG	CAL RESOURCES AS DEFINED BY	MISO - Values reflect the	Unforced C	apacity ra	ting (UCAF	')								
					•	•								
	Local Resource	Designation	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
1	Ashtabula	OTP.ASHTABULA	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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
	FPL Energy ND Wind II	OTP.EDGLYEDGL	-	-	-	-	-	-	-	-	-	-	-	-
4	Langdon	OTP.LANGDN1	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
5	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
6	Luverne	OTP.MPWR	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
7	Jamestown 1	OTP.JAMSPK1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
BE	HIND-THE-METER RESOURCES AS	DEFINED BY MISO - Valu	es reflect ti	he Unforce	ed Capacity	rating (U	CAP)							
No.	BTM Resource	Designation	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
1	Big Stone Diesel	OTP.OTP	-	-	-		-	-		-	-	-	-	-
2	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
3	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
4	Fergus Control Diesel	OTP.OTP	-	-	-	-	-	-	-	-	-	-	-	-
	Hoot Lake 2A Diesel	OTP.OTP	=	-	_	_	_	_	-	-	_	_	=	_
6	Hoot Lake 3A Diesel	OTP.OTP	-	-	-	-	-	-	-	-	-	-	-	-
7	Hoot Lake 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
,	noot Lake nyuto	OTF.OTF			BEGINS .		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Daketa Maria Disaal	OTP.OTP	IPROTEC	IED DATA	DEGINS .	• •								
8 9	Dakota Magic Diesel													
	Kindred School Diesel	OTP.OTP												
10	State Auto Insurance	OTP.OTP												
11	Stevens Community	OTP.OTP					DDOT		TA ENDO:					
40	Discusto I hadro	OTD OTD	0.0	0.0	0.0	0.0		ECTED DA	-	0.0	0.0	0.0	0.0	0.0
	Pisgah Hydro	OTP.OTP	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	Wright Hydro	OTP.OTP	-	-	-	-	-	-	-	-	-	-	-	-
	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
15	Bemidji 1 Hydro	OTP.OTP	-	-	-	-	-	-	-	-	-	-	-	-
EX1	ERNAL RESOURCES AS DEFINED	BY MISO - Values reflect	the Unforce	ed Capacit	ty rating (U	CAP)								
No	External Resources	Designation	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
NO.	LAGINAI RESOUICES	Designation Garrison Hydro Plant	Jun-20 4.2	Jui-20 4.2	Aug-20 4.2	Sep-20 4.2	4.2	4.2	4.2	Jan-21 4.2	4.2	War-21 4.2	Apr-21 4.2	Way-21 4.2
2		Garrison Hydro Plant 2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
PRO	PRC TRANSACTIONS AS DEFINED BY MISO - Values reflect the Planning Resource Credit rating (PRC)													
No.	PRC Transaction	Designation	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
1	GRE Purchase	GREM-OTPW	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Tota	al		731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7	731.7
. 510	==													

Docket No. E017/AA-19-297 Attachment 9

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

	Charge Type Description		System - Retail January - December 2020		nnesota - Retail January - ecember 2020
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	1			
1	DA Asset Energy Amount	\$	30,794,006.91	\$	15,599,522.09
2	DA FBT Loss Amount	\$		\$	-
3	DA Non-asset Energy Amount	\$	(1,011,428.76)	\$	(512,366.10)
4	RT Asset Energy Amount	\$	(495,733.66)	\$	(251,127.05)
5 6	RT Distribution of Losses Amount RT FBT Loss Amount	\$ \$	(1,313,382.56)	\$ \$	(665,328.82)
7	DA Loss Amount	\$	3,222,132.38	\$	1,632,256.74
8	RT Loss Amount	\$	277,615.81	\$	140,633.66
9	RT Non-Asset Energy Amount	\$	191.61	\$	97.07
10	DA Losses Rebate on Option B GFA	\$	-	\$	=
11	Virtual Energy DA Virtual Energy Amount]		¢.	
	RT Virtual Energy Amount	\$	-	\$ \$	- -
13	Schedules 16 & 17 DA Mkt Admin Amount	\$	673,462.13	\$	341,160.13
	RT Mkt Admin Amount	\$	77,563.35	\$	39,291.78
15	FTR Mkt Admin Amount	\$	33,387.60	\$	16,913.38
40	Congest & FTRs]		•	
16 17	DA FBT Congestion Amount DA Congestion	\$ \$	- 1,544,000.25	\$ \$	- 782,154.34
	RT FBT Congestion Amount	\$	1,544,000.25	\$	702,134.34
19	RT Congestion	\$	730,238.36	\$	369,921.64
20	FTR Hourly Allocation Amount	\$	(5,193,827.22)	\$	(2,631,071.13)
21	FTR Monthly Allocation Amount	\$	(271,493.91)	\$	(137,532.45)
22	FTR Yearly Allocation Amount	\$	(1,197.27)	\$	(606.51)
23	FTR Monthly Transaction Amount	\$	(183,492.75)	\$	(92,953.13)
24	FTR Full Funding Guarantee Amount	\$	(214,963.91)	\$	(108,895.68)
25	FTR Guarantee Uplift Amount	\$	218,644.42	\$	110,760.14
26 27	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ \$	(3,908,969.54)	\$ \$	(1,980,192.34)
28	FTR Auction Revenue Rights Infeasible Uplift Amount	\$	3,881,047.24 27,370.76	э \$	1,966,047.56 13,865.39
29	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$	(348,459.34)	\$	(176,521.33)
30	DA Congestion Rebate on Option B GFA	\$	-	\$	-
0.4	RSG & Make Whole Payments]	00 000 05	•	40 405 00
31 32	DA Revenue Sufficiency Guarantee Distribution Amount	\$	96,996.05	\$	49,135.93
	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amoun	\$ 1 \$	(65,293.05) 115,428.49	\$ \$	(33,075.93) 58,473.37
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	-	\$	-
35	RT Price Volatility Make Whole Payment	\$	(190,146.10)	\$	(96,323.56)
	Revenue Neutrality Uplift]			
36	RT Revenue Neutrality Uplift Amount	\$	1,059,328.28	\$	536,630.88
37	Other Charges RT Misc Amount] \$	81,790.37	\$	41,433.08
-	RT Net Inadvertent Amount	\$	7,365.15	\$	3,731.01
39	RT Uninstructed Deviation Amount	\$	-	\$	-
40	RT Demand Response Allocation Uplift Amount	\$	12,854.52	\$	6,511.80
	DA Ramp Product	\$	(14,498.71)	\$	(7,344.71)
42 43	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ \$	183.45 143,013.91	\$ \$	92.93 72,447.49
	ASM Charges	1			
44	RT ASM Non-Excessive Energy Amount	\$	4,480,840.82	\$	2,269,888.93
45	RT ASM Excessive Energy Amount	\$	1,332.94	\$	675.24
46	Grandfathered Charge Types DA Congestion Rebate on COGA]		¢	
46	DA Losses Rebate on COGA DA Losses Rebate on COGA	\$ \$	-	\$ \$	- -
48	RT Congestion Rebate on COGA	\$	-	\$	-
49	RT Loss Rebate on COGA	\$		\$	
50	TOTAL CHARGES	\$	34,265,908.02	\$	17,358,305.81
51	Less Schedule 16 & 17 (Lines 13, 14, 15)	\$	(784,413.08)		
52	Congestion and Losses Adjustment	\$	78,121.35		
53 54	No DA generation sch., but still had output MISO RSG Bad Debt	\$ \$	(9,904.48)		
54	Total 2020 MISO Charges	\$	33,549,711.81		
Ь—	1 Otal 2020 MIGO Gliai 965	φ	JJ,J+3,1 11.01		

Otter Tail Power Company Detail of MISO Day 2 Charges - System January 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RET				ASSET BASED					ASED WHOLESA	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
-	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(478,591) \$	(8,396,481.15)	300,972 \$	5,137,656.34	0 \$	-	407 \$	12,032.43	0 \$		0 \$	
2	DA Non-asset Energy Amount	555.09	0 \$	-	5,010 \$	85,983.97	0 \$	-	0 \$	-	0 \$		0 \$	
3	RT Asset Energy Amount	555.19	(1,789) \$	(221,976.26)	42,406 \$	784,174.76	0 \$	-	0 \$	-	0 \$		0 \$	
5	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$ (480,380) \$	(8,618,457.41)	0 \$ 348,388 \$	6,007,815.07	0 \$ 0 \$	- :	0 \$ 407 \$	12.032.43	0 \$ 0 \$		0 \$ 0 \$	
	Day Ahead & Real Time Energy Loss		(400,000) ψ	(0,010,407.41)	040,000 ¥	0,007,010.07	_ ,		407 ψ	12,002.40			<u> </u>	
6	DA FBT Loss Amount	555.04	0 \$	_	0 \$	_	0 \$		0 \$	-	0 \$	_	0 \$	_
7	RT Distribution of Losses Amount	555.24	0 \$	(9,472.64)	0 \$	141,206.44	0 \$		0 \$	_	0 \$		0 \$	
8	RT FBT Loss Amount	555.21	0 \$	(0,112.01)	0 \$		0 \$	_	0 \$	_	0 \$		0 \$	
9	DA Loss Amount		0 \$	(346,188.88)	0 \$	_	0 \$	_	0 \$	_	0 \$		0 \$	
10	RT Loss Amount		0 \$	(6,338.18)	0 \$	-	0 \$	-	0 \$	_	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(361,999.70)	0 \$	141,206.44	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	<u> </u>	0 \$	-	0 \$	<u> </u>	0 \$	<u> </u>
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(74,926.69)	0 \$	-	0 \$	(40.27)	0 \$	-	0 \$		0 \$	
17	RT Mkt Admin Amount	555.18	0 \$	(8,518.73)	0 \$	391.10	0 \$	(1,390.41)	0 \$	68.66	0 \$		0 \$	
18 19	FTR Mkt Admin Amount SUBTOTAL	555.13	0 \$ 0 \$	(2,188.88) (85,634.30)	0 \$ 0 \$	391.10	0 \$	(1,430.68)	0 \$ 0 \$	68.66	0 \$		0 \$	
	Congestion & FTRs		0 \$	(05,034.30)	0 \$	391.10	0 \$	(1,430.00)	U \$	00.00	0 \$		U \$	<u> </u>
20	DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$		0 \$	-	0 \$		0 \$	
21	DA Congestion DA Congestion	555.05	0 \$		0 \$	35.028.96	0 \$		0 \$	-	0 \$		0 \$	
22	RT FBT Congestion Amount	555.20	0 \$		0 \$	00,020.00	0 \$	_	0 \$	_	0 \$		0 \$	
23	RT Congestion	000.20	0 \$	5,140.17	0 \$	_	0 \$	-	0 \$	_	0 \$		0 \$	
24	FTR Hourly Allocation Amount	555.14	0 \$	(69,252.07)	0 \$	251,650.46	0 \$	_	0 \$	_	0 \$		0 \$	
25	FTR Monthly Allocation Amount	555.15	0 \$	(0.72)	0 \$	13,955.60	0 \$	_	0 \$	_	0 \$		0 \$	
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$	1,197.24	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 \$	(15,013.64)	0 \$	19,440.68	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(19,443.45)	0 \$	7,664.76	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(3,184.20)	0 \$	249,456.27	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(250,140.86)	0 \$	4,092.58	0 \$	-	0 \$	-	0 \$		0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(4,623.25)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	31,268.37	0 \$	-	0 \$	-	0 \$		0 \$	
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	
35	SUBTOTAL RSG & Make Whole Payments		0 \$	(356,518.02)	0 \$	613,754.92	0 \$		0 \$	-	0 \$	-	0 \$	•
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(8,144.35)	0 \$	3.50	0 \$	(054.54)	0 \$	0.10	0 \$		0 \$	
37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10	0 \$	(0,144.33)	0 \$	1,339.14	0 \$	(251.54)	0 \$	0.10	0 \$		0 \$	
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(4,489.41)	0 \$	265.62	0 \$	(138.50)	0 \$	8.10	0 \$		0 \$	
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	(.,700.71)	0 \$	200.02	0 \$	(100.00)	0 \$	1.296.37	0 \$		0 \$	
40	RT Price Volatility Make Whole Payment	555.42	0 \$	_	0 \$	8,283.24	0 \$	_	0 \$	256.01	0 \$		0 \$	
41	SUBTOTAL		0 \$	(12,633.76)	0 \$	9,891.50	0 \$	(390.04)	0 \$	1,560.58	0 \$		0 \$	
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0 \$	(74.02)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
43	RT Net Inadvertent Amount	555.27	0 \$	(6,625.26)	0 \$	2,943.84	0 \$	-	0 \$	-	0 \$		0 \$	
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(46,901.15)	0 \$	13,936.51	0 \$	(1,449.33)	0 \$	430.55	0 \$		0 \$	
45	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$		0 \$	-
47	DA Ramp Product	555.63	0 \$	-	0 \$	1,443.16	0 \$	-	0 \$	-	0 \$		0 \$	-
48	RT Ramp Product	555.64	0 \$	(68.72)	0 \$	152.89	0 \$	-	0 \$	-	0 \$		0 \$	
49 50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$ 0 \$	(18,534.76) (72,203.91)	0 \$ 0 \$	18,476.40	0 \$ 0 \$	(1,449.33)	0 \$ 0 \$	430.55	0 \$		0 \$ 0 \$	
	ASM Charges		0 \$	(12,203.91)	0 \$	10,410.40	0 \$	(1,445.33)	U \$	430.55	J \$		U \$	
51	RT ASM Non-Excessive Energy Amount	555.55	(37,286) \$	(516,395.39)	7,896 \$	127,560.36	(6) \$	(385.05)	13,928 \$	341,340.06	0 \$		0 \$	
52	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.56	(37,286) \$ (11) \$	(310,383.38)	7,896 \$	52.29	0 \$	(303.05)	13,928 \$	198.16	0 \$		0 \$	
53	SUBTOTAL	333.30	(37,297) \$	(516,395.39)	7,919 \$	127,612.65	(6) \$	(385.05)	13,941 \$	341,538.22	0 \$		0 \$	
			(,, *	,,)	.,,	, 00	(-/ ♥	()	-,- · · · · · ·	,				

Otter Tail Power Company Detail of MISO Day 2 Charges - System January 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
				RE [*]				ASSET BASED					SED WHOLESAL	
_	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 \$	-
	TOTAL MISO DAY 2 CHARGES		(517,677) \$	(10,023,842.49)	356,308 \$	6,919,148.08	(6) \$	(3,655.10)	14,348 \$	355,630.44	0 \$	-	0 \$	-
60			\$	(85,634.30)	\$	391.10								
61			\$	5,242.58										
62			\$	-										
63														
64														
65			\$	(9,943,450.77)	\$	6,918,756.98								
66				\$	(3,024,693.79)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	TIONS											
68									\$	351,975.34			\$	-
69									14,342 \$	322,329.85				
70									\$	-			\$	-
71													\$	-
72													\$	-
73													\$	-
74									\$	163.45			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE							•	\$	29,482.04			\$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System February 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Oliver Toron Brands (1971)		****	RET		_	****	ASSET BASED V		_			SED WHOLESALI	
No	Charge Type Description Day Ahead & Real Time Energy	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1	DA Asset Energy Amount	555.02	(457.07C) A	(0.000.400.00)	285.015 \$	5,324,974.61	0 6		359 \$	0.720.40	0 \$			
2	DA Asset Energy Amount DA Non-asset Energy Amount	555.02 555.09	(457,276) \$ 0 \$	(8,606,199.82)	5,108 \$	91,929.24	0 \$	-	359 \$ 0 \$	8,738.12	0 \$	-	0 \$ 0 \$	-
3		555.19		(440.044.05)				-	0 \$	-		-	0 \$	-
	RT Asset Energy Amount		(7,172) \$	(448,941.85)	11,899 \$	206,094.94	0 \$	-		-	0 \$	-		-
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$ (464,448) \$	(9,055,141.67)	0 \$ 302,021 \$	5,622,998.79	0 \$	- :	0 \$ 359 \$	8,738.12	0 \$		0 \$ 0 \$	
	Day Ahead & Real Time Energy Loss		(τοτ,ττο) ψ	(3,000,141.01)	002,021 Q	0,022,000.10			- σσσ ψ	0,700.12				_
6	DA FBT Loss Amount	555.04	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$	_	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(7,637.26)	0 \$	131,236,99	0 \$	_	0 \$	_	0 \$	_	0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	(1,031.20)	0 \$	131,230.33	0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount	333.21	0 \$	(340,579.43)	0 \$		0 \$		0 \$		0 \$		0 \$	
10	RT Loss Amount		0 \$	(17,132.81)	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$	_
11	DA Losses Rebate on Option B GFA	555.08	0 \$	(17,102.01)	0 \$		0 \$	_	0 \$	_	0 \$	_	0 \$	_
12	SUBTOTAL	333.00	0 \$	(365,349.50)	0 \$	131,236.99	0 \$		0 \$	-	0 \$		0 \$	
	/irtual Energy			(000,00000)		101,20000					- 1			
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 S	-	0 \$	-	0 \$	-	0 \$		0 \$	-
	Schedules 16 & 17				· ·						,			
16	DA Mkt Admin Amount	555.01	0 \$	(65,690.03)	0 \$	-	0 \$	(31.26)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(5,728.24)	0 \$	803.88	0 \$	(1,007.38)	0 \$	58.21	0 \$	_	0 \$	_
18	FTR Mkt Admin Amount	555.13	0 \$	(2,038.40)	0 \$	-	0 \$	-	0 \$	_	0 \$	_	0 \$	_
19	SUBTOTAL		0 \$	(73,456.67)	0 \$	803.88	0 \$	(1,038.64)	0 \$	58.21	0 \$		0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$	-	0 \$	(202,599.74)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	12,291.98	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(51,989.50)	0 \$	411,907.74	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	(2.32)	0 \$	13,676.96	0 \$	-	0 \$	-	0 \$	_	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$		0 \$	0.03	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 \$	(12,969.86)	0 \$	9,971.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(9,970.93)	0 \$	12,436.35	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(3,184.20)	0 \$	249,456.27	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(250,140.86)	0 \$	4,092.58	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(4,623.25)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	31,268.37	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL		0 \$	(320,588.94)	0 \$	530,209.64	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(5,266.81)	0 \$	-	0 \$	(100.88)	0 \$	-	0 \$	-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(1,430.89)	0 \$	362.69	0 \$	(27.24)	0 \$	6.81	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	- (0.56)	0 \$	-	0 \$	- (0.00)	0 \$	-	0 \$	-	0 \$	-
40	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(3.56)	0 \$	10,016.73	0 \$	(0.06)	0 \$	192.14	0 \$	-	0 \$	-
	RNU & Misc Charges		0 \$	(6,701.26)	0 \$	10,379.42	0 \$	(128.18)	0 \$	198.95	0 \$	-	0 \$	·
42	RT Misc Amount	555.25	0 \$	(408.44)	0 \$	-	0 \$		0 \$		0 \$		0 \$	-
42	RT Net Inadvertent Amount	555.25 555.27	0 \$		0 \$	4,036.36	0 \$	-	0 \$	-	0 \$	-	0 \$	
43	RT Revenue Neutrality Uplift Amount	555.27 555.28	0 \$	(7,526.96) (36,525.91)	0 \$	12,600.29	0 \$	(700.35)	0 \$	241.57	0 \$	-	0 \$	-
45	RT Revenue Neutrality Oplitt Amount RT Uninstructed Deviation Amount	555.31	0 \$	(30,323.91)	0 \$	12,000.29	0 \$	(100.35)	0 \$	241.57	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$		0 \$		0 \$		0 \$	-	0 \$	
47	DA Ramp Product	555.63	0 \$	-	0 \$	1,476.00	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$	(11.36)	0 \$	131.91	0 \$	-	0 \$	-	0 \$	-	0 \$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(26,579.65)	0 \$	131.81	0 \$		0 \$		0 \$	-	0 \$	
50	SUBTOTAL	555.05	0 \$	(71,052.32)	0 \$	18,244.56	0 \$	(700.35)	0 \$	241.57	0 \$		0 \$	-
	ASM Charges		, ,	(,002.02)		.5,250		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2107				-
51	RT ASM Non-Excessive Energy Amount	555.55	(31,273) \$	(477,704.03)	7,051 \$	113,942.54	(63) \$	(1,608.16)	10,019 \$	172,793.58	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	0 \$		18 \$		(5) \$	(1,000.70)	9 \$	86.69	0 \$	_	0 \$	_
53	SUBTOTAL	000.00	(31,273) \$	(477,704.03)	7,068 \$	113,942.54	(68) \$	(1,608.16)	10,029 \$	172,880.27	0 \$	- :	0 \$	- :
			1 1 7 7		,	- ,- ,- ,-	, , , , , ,			,				

Otter Tail Power Company Detail of MISO Day 2 Charges - System February 2020 includes any adjustments

						,,								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		` ′ [. ,	RET		,	,	ASSET BASED	WHOLESALE			NON ASSET BA	SED WHOLESAL	
	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 \$	-
	TOTAL MISO DAY 2 CHARGES		(495,721) \$		309,090 \$	6,427,815.82	(68) \$	(3,475.33)	10,388 \$	182,117.12	0 \$	•	0 \$	-
60			\$	(73,456.67)	\$	803.88								
61			\$	5,063.20										
62			\$	-										
63														
64			_		_									
65			\$	(10,301,600.92)	\$	6,427,011.94								
66				\$	(3,874,588.98)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSACT	IONS											
68		D IIIAIIOAOI	10110						•	178,641.79				
69									10,086 \$	203,193.09			4	- 1
70									10,000 ¢	200,100.00			\$	_
71									•		1		\$	_ l
72													Š	-
73													\$	-
74									s	133.91	1		Š	_
75									•				*	
76									\$	(24,685.21)			\$	-
	· · · · · · · · ·								*	, , ,				
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Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RET				ASSET BASED V					ASED WHOLESAL	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Day Ahead & Real Time Energy	555.00	(405,405), 6	(7.400.047.04)	004.000	4 000 005 50	0.0		1.000	04.070.00			0.0	
1	DA Asset Energy Amount	555.02 555.09	(465,425) \$	(7,130,947.94)	294,832 \$ 5,318 \$	4,669,985.59	0 \$ 0 \$	-	1,630 \$	34,872.82	0 \$	-	0 \$ 0 \$	-
2	DA Non-asset Energy Amount	555.09 555.19	0 \$	(4.040.004.54)		88,748.64 120,806.66		-	0 \$ 0 \$	-	0 \$	-	0 \$	-
4	RT Asset Energy Amount RT Non-Asset Energy Amount	555.26	(17,780) \$ 0 \$	(1,012,381.51)	7,212 \$ 0 \$	120,806.00	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	-
5	SUBTOTAL	333.20	(483,205) \$	(8,143,329.45)	307,362 \$	4,879,540.89	0 \$		1,630 \$	34.872.82	0 \$	-	0 \$	-
	Day Ahead & Real Time Energy Loss		(100,200) \$	(0,110,020110)	007,002 \$	4,070,040.00	, ,		.,000 ¥	01,072.02				
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(11,660.10)	0 \$	99,593.92	0 \$	_	0 \$	_	0 \$	_	0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	-	0 \$	-	0 \$	_	0 \$	-	0 \$	_	0 \$	_
9	DA Loss Amount		0 \$	(389,339.71)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	(9,593.17)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(410,592.98)	0 \$	99,593.92	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
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 \$	-
	SUBTOTAL Schedules 16 & 17		U \$	-	U \$	-	0 \$	-	0 \$	-	0 \$	<u> </u>	0 \$	-
16	DA Mkt Admin Amount	555.01	0 \$	(55,793.43)	0 \$		0 \$	(114.05)	0 \$		0 \$		0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(5,909.21)	0 \$	1,731.44	0 \$	(1,074.57)	0 \$	208.13	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(3,710.40)	0 \$	1,731.44	0 \$	(1,074.57)	0 \$	200.13	0 \$		0 \$	
19	SUBTOTAL	555.15	0 \$	(65,413.04)	0 \$	1,731.44	0 \$	(1,188.62)	0 \$	208.13	0 \$		0 \$	-
	Congestion & FTRs			(447)				(,,,,,,						
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$	-	0 \$	(158,682.65)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	(10,914.05)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(49,409.37)	0 \$	259,599.99	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$	12,359.72	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 \$	- (44 400 00)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28 29	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	555.36 555.37	0 \$ 0 \$	(11,426.03) (8,264.49)	0 \$ 0 \$	8,264.49 11,426.03	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(8,264.49)	0 \$	246,097.41	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	555.38	0 \$	(247,279.97)	0 \$	13,234.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(2,768.88)	0 \$	13,234.72	0 \$		0 \$		0 \$		0 \$	
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(2,700.00)	0 \$	24,439.24	0 \$	_	0 \$	-	0 \$	_	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	_	0 \$	- 1,1001-1	0 \$	_	0 \$	-	0 \$	_	0 \$	_
35	SUBTOTAL		0 \$	(342,060.07)	0 \$	416,738.95	0 \$		0 \$	-	0 \$	-	0 \$	-
	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(6,620.58)	0 \$	27.51	0 \$	(182.23)	0 \$	0.75	0 \$	-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$	0.17	0 \$		0 \$		0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(3,560.35)	0 \$	508.61	0 \$	(97.85)	0 \$	13.84	0 \$	-	0 \$	-
39 40	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	555.30 555.42	0 \$ 0 \$	(0.16)	0 \$ 0 \$	5.117.84	0 \$ 0 \$	-	0 \$ 0 \$	1,539.03 140.98	0 \$	-	0 \$ 0 \$	-
41	SUBTOTAL	555.42	0 \$	(10,181.09)	0 \$	5,654.13	0 \$	(280.08)	0 \$	1,694.60	0 \$	-	0 \$	-
	RNU & Misc Charges		• •	(10,101.00)	, ,	0,00-11.10	, ,	(200.00)		1,00 1.00	, ,		, ,	
42	RT Misc Amount	555.25	0 \$	(2.10)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(19,731.37)	0 \$	3,692.33	0 \$	-	0 \$	-	0 \$	_	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(60,366.43)	0 \$	29,977.83	0 \$	(1,662.63)	0 \$	825.59	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	- '	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$	-	0 \$	1,044.65	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$	(350.68)	0 \$	73.66	0 \$	-	0 \$	-	0 \$	-	0 \$	-
49 50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$ 0 \$	(30,558.64) (111,009.22)	0 \$ 0 \$	34,788.47	0 \$ 0 \$	(1,662.63)	0 \$ 0 \$	825.59	0 \$	<u> </u>	0 \$ 0 \$	-
50	ASM Charges		υ \$	(111,009.22)	U \$	34,700.47	0 \$	(1,002.03)	υ \$	8∠3.59	U \$		υ \$	-
51	RT ASM Non-Excessive Energy Amount	555.55	(44,400) \$	(612,736.72)	6,443 \$	67,188.33	(795) \$	(15,408.03)	12,488 \$	251,196.39	0 \$		0 \$	
52	RT ASM Non-Excessive Energy Amount	555.56	0 \$	(86.19)	276 \$	-	0 \$	(10,400.03)	12,400 \$ 66 \$	746.58	0 \$	-	0 \$	-
53	SUBTOTAL	555.55	(44,400) \$	(612,822.91)	6,720 \$	67,188.33	(795) \$	(15,408.03)	12,554 \$	251,942.97	0 \$		0 \$	

Otter Tail Power Company	
Detail of MISO Day 2 Charges - Sys	
March 2020 includes any adjustme	ents

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Oleman Territoria		MWh	RET	MWh	_	MWh	ASSET BASED	MWh		MWh	NON ASSET BAS		
	Charge Type Description Grandfathered Charge Types	Acct	MVVN	Cost	MVVn	Revenue	MVVn	Cost	WWN	Revenue	MIVVN	Cost	MWh	Revenue
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 \$	-
59			(527,605) \$	(9,695,408.76)	314,081 \$	5,505,236.13	(795) \$	(18,539.36)	14,184 \$	289,544.11	0 \$	-	0 \$	-
60			\$	(65,413.04)	\$	1,731.44								
61			\$	(3,078.40)										
62			\$	-										
63														
64														
65			\$	(9,626,917.32)	\$	5,503,504.69								
66	Net Retail for MN Energy Adjustment Rider			\$	(4,123,412.63)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSACT	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	271,004.75			\$	-
69	Less: Fuel Cost								13,380 \$	236,331.34				
70	Less: Misc Cost Adjustment								\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72													\$	-
73	Less: Bilateral Purchases												\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	195.26			\$	-
75														
76									\$	34,478.15			\$	-
										,			·	

Otter Tail Power Company Detail of MISO Day 2 Charges - System April 2020 includes any adjustments

Description Process			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
The Content of Conte															
DA Areset Lerroy Memori DA Areset Lerroy Memori DA Areset Lerroy Memori DA Areset Lerroy Memori DA Areset Lerroy Memori DE DA Loss Annuar DA Areset Lerroy Memori DA Areset Lerroy Memoria DA Areset Lerroy			Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
DA Nemeroel Energy Amount 105.79 107. 107. 107. 107. 107. 107. 107. 107.	_		555.00	(070.470) #	(4.000.404.70)	050.470	0.540.000.50	0.0		4.000	00.004.00			0 0	
ST Ford Empty Amount Society					(4,892,184.72)				-		90,094.28		-		-
A PRO-ASSAIL Fronty Annual					(470 000 45)				-		-		-		-
Supplement Sup					(479,833.45)		100,302.72		-		-		-		-
Symbol S			333.20		(5 372 018 17)		3 692 871 40		- :		90 094 28			0 \$	-
Fig. 10 A FEEL Loss Amount				(221,222) +	(0,012,010111)	, +	-,,			., +		- +			
FT Distriction of Lores Amount 555.24 0 s 0 / 78.78 0 s 5 / 9.08 2.20 0 s 0 0 0 0 0 0 0 0			555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
RT FEFT Loss Annexes					(7,846.75)		93,626.23		_		-		-	0 \$	_
FT Loss Amount	8	RT FBT Loss Amount	555.21	0 \$	- '	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
DA Lorses Relation Options B GPA	9	DA Loss Amount		0 \$	(278,335.85)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
Total Support Total Suppor	10			0 \$	2,457.48	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
Virtual Energy Amount SSS 12 0 \$			555.08		-		-		-		-		-	0 \$	-
DA Virtual Foreign Amount				0 \$	(283,725.12)	0 \$	93,626.23	0 \$	<u> </u>	0 \$	-	0 \$	-	0 \$	-
## RT Visual Energy Amount										<u> </u>					
SURFORMAL					-		-		-		-		-	0 \$	-
Semble 16 2 T T T T T T T T T T	14		555.32		-		-		-		-		-		-
DA Mail Admin Amount				υ \$		U \$	-	0 \$	-	U \$	-	U \$	-	U \$	-
FT Mak Admin Amount			555.01	0 ¢	(62 624 84)	0 &		0 6	(378 59)	0 \$		0 6		0 \$	-
FTR MA Admin Amount											62.77		-	0 \$	-
Sugnoral Congestion Amount							-		(1,000.07)		-		_	0 \$	_
DA FRI Congestion Amount			000.10				290.61		(2,335.55)		62.77		-	0 \$	-
21 DA Congestion		Congestion & FTRs													
22 RT FBT Congestion Amount		DA FBT Congestion Amount	555.03	0 \$	-		-	0 \$	-		-	0 \$	-	0 \$	
22 FIT Congestion					-		(181,677.88)		-		-		-	0 \$	-
FIR Houtly Allocation Amount			555.20		-		-		-		-		-	0 \$	-
FFR Monthly Allocation Amount				. ,			-		-		-		-	. ,	-
FIR Yearly Allocation Amount					(65,444.13)				-		-		-	. ,	-
FTR Monthly Transaction Amount					-				-		-		-		-
FIR Full funding Guarantee Amount				. ,	-				-		-		-		-
FIR Guarantee Uplit Amount					(0.404.40)				-		-		-		-
FTR Auction Revenue Rights Transaction Amount									-		-		-		-
FTR Annual Transaction Amount									-		-		-		-
Section Revenue Rights Infeasible Uplift Amount														0 \$	
STR Auction Revenue Rights Stage 2 Distribution Amount 555.41 0									_		_		_	0 \$	_
34 DA Congestion Rebate on Option B GFA 555.07 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$					-		24,439.26		_		-		-	0 \$	_
RSG & Make Whole Payments				0 \$	-	0 \$	-	0 \$	_	0 \$	-	0 \$	-	0 \$	_
DA Revenue Sufficiency Guarantee Distribution Amount 555.10 0 \$ (6,777.01) 0 \$ 5.42 0 \$ (254.89) 0 \$ 0.20 0 \$ - 0 \$ 10.40				0 \$	(324,498.75)	0 \$	463,484.00	0 \$	-	0 \$	-	0 \$	-	0 \$	-
DA Revenue Sufficiency Guarantee Make Whole Pymt Amount 555.11 0 \$ - 0 \$ 4,842.21 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$	_														
RT Revenue Sufficiency Guarantee First Pass Distribution Amount 555.29 0 \$ (3,836.27) 0 \$ 157.50 0 \$ (144.04) 0 \$ 5.82 0 \$ - 0 \$ 1.0 \$ 1					(6,777.01)				(254.89)		0.20		-	0 \$	-
RT Revenue Sufficiency Guarantee Make Whole Pymt Amount 555.30 0 \$ - 0 \$ 10,373.95 0 \$ - 0 \$ 390.44 0 \$ - 0 \$ 10,373.95 0 \$ 10,373.95					- (0.000.00)				-		-		-	0 \$	-
All SUBTOTAL SUB					(3,836.27)				(144.04)				-		-
SUBTOTAL					-				-				-		-
RNU & Misc Charges			333.42		(10.613.28)				(398.93)					0 \$	-
A3					(11,010.20)		10,01000		(22222)			, ,			
44 RT Revenue Neutrality Uplift Amount 555.28 0 \$ (66,608.78) 0 \$ 16,088.12 0 \$ (2,506.43) 0 \$ 605.23 0 \$ - 0 \$ 45 RT Uninstructed Deviation Amount 555.59 0 \$ - 0	42	RT Misc Amount	555.25	0 \$	(4,979.98)	0 \$	2,131.65	0 \$	-	0 \$	-	0 \$	-	0 \$	-
45 RT Uninstructed Deviation Amount 555.31 0 \$ -	43	RT Net Inadvertent Amount	555.27	0 \$	(4,682.30)	0 \$	13,301.82	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46 RT Demand Response Allocation Uplift Amount 555.59 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ 47 DA Ramp Product 555.63 0 \$ - 0 \$ 513.77 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ - 0 \$ 48 RT Ramp Product 555.64 0 \$ (73.63) 0 \$ 173.08 0 \$ - 0		RT Revenue Neutrality Uplift Amount			(66,608.78)		16,088.12		(2,506.43)		605.23	0 \$	-	0 \$	-
47 DA Ramp Product 555.63 0 \$ - 0 \$ 513.77 0 \$ - 0 \$					-		-		-		-		-	0 \$	-
48 RT Ramp Product 555.64 0 \$ (73.63) 0 \$ 173.08 0 \$ - 0 \$ - 0 \$ - 0 \$ 49 RT Schedule 49 Cost Distribution Amount 555.65 0 \$ (10,384.91) 0 \$ - 0					-		-		-		-		-	0 \$	-
49 RT Schedule 49 Cost Distribution Amount 555.65 0 \$ (10,384.91) 0 \$ - 0 \$. ,					-		-		-		-
50 SUBTOTAL 0 \$ (86,729.60) 0 \$ 32,208.44 0 \$ (2,506.43) 0 \$ 605.23 0 \$ - 0 \$ ASM Charges 51 RT ASM Non-Excessive Energy Amount 555.55 (39,811) \$ (424,731.06) 8,526 \$ 70,263.41 (2,630) \$ (32,357.34) 15,261 \$ 261,493.36 0 \$ - 0 \$ 52 RT ASM Excessive Energy Amount 555.56 (15) \$ (1,330.24) 274 \$ 38.30 (4) \$ - 62 \$ 718.91 0 \$ - 0 \$							173.08		-		-		-	0 \$	-
ASM Charges 51 RT ASM Non-Excessive Energy Amount 555.55 (39,811) \$ (424,731.06) 8,526 \$ 70,263.41 (2,630) \$ (32,357.34) 15,261 \$ 261,493.36 0 \$ - 0 \$ 52 RT ASM Excessive Energy Amount 555.56 (15) \$ (1,330.24) 274 \$ 38.30 (4) \$ - 62 \$ 718.91 0 \$ - 0 \$ 53.00 \$ - 0 \$ 54.00 \$ - 0 \$ 55.00 \$ - 0 \$ 5			555.65				32 208 44		(2 506 42)		605.22		-		-
51 RT ASM Non-Excessive Energy Amount 555.55 (39.811) \$ (424,731.06) 8,526 \$ 70,263.41 (2,630) \$ (32,357.34) 15,261 \$ 261,493.36 0 \$ - 0 \$ 52 RT ASM Excessive Energy Amount 555.56 (15) \$ (1,330.24) 274 \$ 38.30 (4) \$ - 62 \$ 718.91 0 \$ - 0 \$ 53.00 \$ - 0 \$ 54.00 \$ 55.00 \$ - 0 \$ 55.00				U \$	(00,129.00)	0 \$	32,200.44	0 \$	(2,506.43)	U \$	005.23	0 \$		0 \$	-
52 RT ASM Excessive Energy Amount 555.56 (15) \$ (1,330.24) 274 \$ 38.30 (4) \$ - 62 \$ 718.91 0 \$ - 0 \$			555.55	(39.811) \$	(424 731 06)	8.526 S	70 263 41	(2.630) \$	(32 357 34)	15.261 \$	261 493 36	2.0		0 \$	_
53 SHRTOTAL (39.826) \$ (426.061.30) 8.799 \$ 70.301.71 (2.634) \$ (32.357.34) 15.222 \$ 262.212.27 0 \$ - 0.0									(02,007.04)				_	0 \$	
	53	SUBTOTAL	000.00	(39,826) \$	(426,061.30)	8,799 \$	70,301.71	(2,634) \$	(32,357.34)	15,322 \$	262,212.27	0 \$	-	0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System April 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		` '	, ,	RET	AIL	` '	, ,	ASSET BASED	WHOLESALE			NON ASSET BAS	SED WHOLESAL	.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		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 \$	-
							(2.22.0)							
	TOTAL MISO DAY 2 CHARGES		(426,879) \$	(6,577,067.15)	280,461 \$	4,368,161.47	(2,634) \$	(37,598.25)	19,528 \$	353,450.72	0 \$	-	0 \$	-
60			\$	(73,420.93)	\$	290.61								
61			\$	1,414.46										
62 63			\$	-										
64														
65			\$	(6,505,060.68)		4,367,870.86								
66			ą	(6,505,060.66)	(2,137,189.82)	4,367,670.00								
	Retail MWh include losses of 2.8%			Ψ	(2,137,103.02)									
0,	Notal WWW mondo losses of 2.070						L							
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSACT	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	315,852.47			\$	
69									16,822 \$	277,430.49				
70	Less: Misc Cost Adjustment								\$				\$	-
71	Plus: Capacity Revenue												\$	-
72	Plus: Bilateral Sales												\$	-
73	Less: Bilateral Purchases												\$	-
74									\$	324.36			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE			·	·				\$	38,097.62			\$	-
1														

Otter Tail Power Company Detail of MISO Day 2 Charges - System May 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Charac Time Bassaintian	Acct	MWh	Cost	MWh	Revenue	MWh	ASSET BASED W	WHOLESALE MWh	Revenue	MWh	NON ASSET BA Cost	SED WHOLESALI MWh	E Revenue
No	Charge Type Description Day Ahead & Real Time Energy	ACCT	IVIVVII	Cost	INIAALI	Revenue	IVIVVII	Cost	IVIVVII	Revenue	IVIVVII	Cost	IVIVVII	Revenue
1	DA Asset Energy Amount	555.02	(315,887) \$	(4,026,965.22)	141.535 \$	1,783,870.55	0 \$		4 \$	80.90	0 \$		0 \$	
2	DA Non-asset Energy Amount	555.09	0 \$	(4,020,903.22)	3,814 \$	57,454.42	0 \$		0 \$	- 00.90	0 \$		0 \$	
3	RT Asset Energy Amount	555.19	(9,484) \$	(330,249.93)	7,809 \$	120,115.99	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount	555.26	(16) \$	(127.26)	0 \$	120,110.00	0 \$	_	0 \$	_	0 \$	_	0 \$	_
5	SUBTOTAL	000.20	(325,387) \$	(4,357,342.41)	153,158 \$	1,961,440.96	0 \$	-	4 \$	80.90	0 \$	-	0 \$	-
	Day Ahead & Real Time Energy Loss		(, , , , , , , , , , , , , , , , , , ,	<u> </u>		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u> </u>					
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	_	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(5,296.03)	0 \$	75,277.34	0 \$	_	0 \$	_	0 \$	_	0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	-	0 \$	-	0 \$	_	0 \$	_	0 \$	_	0 \$	_
9	DA Loss Amount		0 \$	(155,417.02)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	760.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(159,952.75)	0 \$	75,277.34	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(45,758.07)	0 \$	- T	0 \$	(0.45)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(5,939.64)	0 \$	294.61	0 \$	(938.55)	0 \$	58.42	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(2,837.04)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
19	SUBTOTAL		0 \$	(54,534.75)	0 \$	294.61	0 \$	(939.00)	0 \$	58.42	0 \$	-	0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$	-	0 \$	(58,173.06)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	3,448.34	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(390,659.06)	0 \$	518,057.64	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$	20,193.61	0 \$	-	0 \$	-	0 \$	-	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
27	FTR Monthly Transaction Amount	555.35 555.36	0 \$ 0 \$	(45 570 00)	0 \$ 0 \$	32.294.57	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
28 29	FTR Full Funding Guarantee Amount	555.37	0 \$	(15,578.83)	0 \$			-		-		-		-
	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(32,294.57)	0 \$	16,813.91 246.097.41	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
30 31	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	555.38	0 \$	(11,997.28) (247,279.97)	0 \$	13,234.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(2,768.88)	0 \$	13,234.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Inteasible Ophit Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(2,700.00)	0 \$	24,439.26	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	24,439.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL	333.07	0 \$	(697,130.25)	0 \$	812,958.06	0 \$		0 \$	-	0 \$		0 \$	
	RSG & Make Whole Payments		, ,	(001,100.20)		0.2,000.00								
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(6,400.48)	0 \$	60.15	0 \$	(128.51)	0 \$	1.20	0 \$	-	0 \$	
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$	(0, 100.10)	0 \$	34.75	0 \$	-	0 \$	-	0 \$	_	0 \$	_
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(1,420.03)	0 \$	172.21	0 \$	(28.28)	0 \$	3.40	0 \$	_	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$	-	0 \$	-	0 \$	151.29	0 \$	_	0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$	7,646.95	0 \$	-	0 \$	153.71	0 \$	-	0 \$	-
41	SUBTOTAL		0 \$	(7,820.51)	0 \$	7,914.06	0 \$	(156.79)	0 \$	309.60	0 \$	-	0 \$	-
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0 \$	(12,895.99)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(3,906.54)	0 \$	10,782.38	0 \$	-	0 \$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(56,376.59)	0 \$	43,587.15	0 \$	(1,133.08)	0 \$	875.95	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(0.54)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$	-	0 \$	238.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$	(11.92)	0 \$	25.73	0 \$	-	0 \$	-	0 \$	-	0 \$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(9,437.70)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL		0 \$	(82,629.28)	0 \$	54,633.56	0 \$	(1,133.08)	0 \$	875.95	0 \$	-	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(20,855) \$	(323,143.13)	4,837 \$	77,562.76	0 \$	-	8,525 \$	102,909.05	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
53	SUBTOTAL		(20,855) \$	(323,143.13)	4,837 \$	77,562.76	0 \$	-	8,525 \$	102,909.05	0 \$	-	0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System May 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		()		RET	AIL	,	· /	ASSET BASED	WHOLESALE			NON ASSET BAS	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		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 \$	-
	TOTAL MICO DAY O CHARGES		(0.40.040) 0	(F. 000 FF0 00)	455.005.0	0.000.004.05		(0.000.07)	0.500 0	404 000 00				
	TOTAL MISO DAY 2 CHARGES		(346,242) \$	(5,682,553.08)	157,995 \$	2,990,081.35	0 \$	(2,228.87)	8,529 \$	104,233.92	0 \$	-	0 \$	-
60			\$	(54,534.75)	\$	294.61								
61			\$	2,034.94										
62			\$	-										
63 64														
			s	(5.000.050.05)	s	2.989.786.74								
65			\$	(5,630,053.27)	•	2,989,786.74								
66	Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$	(2,640,266.53)									
67	Retail MWM include losses of 2.6%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	TIONS											
68	NET MISO (Rev-Cost and MWh)								s	102,005.05			S	
69									8,529 \$	130,265.42			•	
70									\$	-			\$	-
71													\$	-
72													\$	-
73													\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	120.88			\$	-
75									•				·	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	(28,381.25)			\$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System June 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RET				ASSET BASED V					ASED WHOLESAL	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(354,200) \$	(4,599,875.64)	152,430 \$	2,075,111.59	0 \$	-	2,158 \$	53,154.64	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$	-	3,997 \$	67,615.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount	555.19	(10,587) \$	(369,191.34)	7,037 \$	111,540.84	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4 5	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$ (364,788) \$	(4,969,066.98)	0 \$ 163,464 \$	2,254,267.65	0 \$ 0 \$		0 \$ 2,158 \$	53,154.64	0 \$ 0 \$		0 \$	-
	Day Ahead & Real Time Energy Loss		(304,700) \$	(4,303,000.30)	103,404 \$	2,234,207.03	0 \$	•	2,130 φ	33,134.04	υ ψ	-	- 0 9	-
6	DA FBT Loss Amount	555.04	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$	_	0 \$	_
7	RT Distribution of Losses Amount	555.24	0 \$	(5,783.05)	0 \$	85,352.59	0 \$	-	0 \$	_	0 \$	_	0 \$	
8	RT FBT Loss Amount	555.21	0 \$	(0,700.00)	0 \$	-	0 \$	_	0 \$	_	0 \$	_	0 \$	_
9	DA Loss Amount		0 \$	(157,031.90)	0 \$	_	0 \$	_	0 \$	-	0 \$	_	0 \$	_
10	RT Loss Amount		0 \$	(5,244.66)	0 \$	-	0 \$	-	0 \$	-	0 \$	_	0 \$	_
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(168,059.61)	0 \$	85,352.59	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
13	DA Virtual Energy Amount	555.12	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$		0 \$	-	0 \$	<u> </u>	0 \$	-	0 \$	<u> </u>	0 \$	
	Schedules 16 & 17							(0.10.0						
16 17	DA Mkt Admin Amount	555.01 555.18	0 \$ 0 \$	(49,255.02) (6,463.20)	0 \$ 0 \$	- 476.57	0 \$ 0 \$	(210.33) (1,657.02)	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
18	RT Mkt Admin Amount FTR Mkt Admin Amount	555.18 555.13	0 \$	(6,463.20)	0 \$	4/6.5/	0 \$	(1,657.02)	0 \$	88.40	0 \$	-	0 \$	-
19	SUBTOTAL	555.13	0 \$	(58,971.82)	0 \$	476.57	0 \$	(1,867.35)	0 \$	88.40	0 \$	-	0 \$	-
15	Congestion & FTRs		- 0 9	(30,971.02)		470.37	0 \$	(1,007.33)	υ φ	00.40	υ ψ	-	- 0 9	-
20	DA FBT Congestion Amount	555.03	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion	000.00	0 \$	_	0 \$	90.326.13	0 \$	_	0 \$	-	0 \$	_	0 \$	_
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	_	0 \$	_
23	RT Congestion		0 \$	98,012.18	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(437,302.72)	0 \$	1,090,871.93	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$	25,350.30	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 \$	(24,660.16)	0 \$	72,070.40	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(72,070.40)	0 \$	23,188.24	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(57,241.49)	0 \$	425,954.09	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31 32	FTR Annual Transaction Amount	555.38 555.40	0 \$ 0 \$	(425,876.43)	0 \$ 0 \$	57,356.88	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	555.40 555.41	0 \$	(1,094.28)	0 \$	30,460.86	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	30,400.00	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL	333.07	0 \$	(920,233.30)	0 \$	1,815,578.83	0 \$		0 \$	-	0 \$		0 \$	-
	RSG & Make Whole Payments			(020,200.00)		1,010,0100							- ,	
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(4,752.38)	0 \$	-	0 \$	(226.03)	0 \$	-	0 \$	-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$	- '	0 \$	27,175.50	0 \$		0 \$	103.10	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(4,031.93)	0 \$	274.80	0 \$	(191.59)	0 \$	12.97	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$	-	0 \$	-	0 \$	4,103.82	0 \$	-	0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0 \$	(0.27)	0 \$	26,594.17	0 \$	(0.01)	0 \$	1,265.78	0 \$	-	0 \$	-
41	SUBTOTAL		0 \$	(8,784.58)	0 \$	54,044.47	0 \$	(417.63)	0 \$	5,485.67	0 \$	-	0 \$	
	RNU & Misc Charges	555.05	0.0	(05.000.00)	0.0	400.00	0.0		0.0		0.0		0 0	
42 43	RT Misc Amount RT Net Inadvertent Amount	555.25 555.27	0 \$ 0 \$	(65,930.02) (4,865.11)	0 \$ 0 \$	199.33 2,366.56	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(103,455.28)	0 \$	25,188.89	0 \$	(4,923.92)	0 \$	1,198.63	0 \$		0 \$	-
45	RT Uninstructed Deviation Amount	555.26	0 \$	(100,400.20)	0 \$	23,100.09	0 \$	(4,323.32)	0 \$	1,130.03	0 \$	-	0 \$	
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	-	0 \$	0.01	0 \$	-	0 \$		0 \$		0 \$	
47	DA Ramp Product	555.63	0 \$	_	0 \$	731.93	0 \$	_	0 \$	_	0 \$	_	0 \$	_
48	RT Ramp Product	555.64	0 \$	(51.17)	0 \$	35.42	0 \$	_	0 \$	_	0 \$	_	0 \$	_
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(7,911.78)	0 \$	22.48	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL		0 \$	(182,213.36)	0 \$	28,544.62	0 \$	(4,923.92)	0 \$	1,198.63	0 \$	-	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(28,038) \$	(297,539.92)	9,440 \$	179,011.08	(229) \$	(6,122.70)	14,333 \$	210,904.92	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(4) \$	(46.08)	514 \$	41.56	0 \$	-	47 \$	477.42	0 \$	-	0 \$	-
53	SUBTOTAL		(28,042) \$	(297,586.00)	9,953 \$	179,052.64	(229) \$	(6,122.70)	14,380 \$	211,382.34	0 \$	-	0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System June 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RET				ASSET BASED				NON ASSET BAS		
	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		(392,830) \$	(6,604,915.65)	173,417 \$	4,417,317.37	(229) \$	(13,331.60)	16,538 \$	271,309.68	0 \$	-	0 \$	-
60			\$	(58,971.82)	\$	476.57								
61			\$	40,461.12										
62			\$	-										
63														
64														
65			\$	(6,586,404.95)	\$	4,416,840.80								
66				\$	(2,169,564.15)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSACT	TIONS											
68									\$	257,978.08			\$	-
69									16,308 \$	256,601.47				
70									\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72													\$	-
73													\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	224.99			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	1,151.62			\$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System July 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Observe Town Broad Affice			RET		_	****	ASSET BASED V		_			SED WHOLESAL	
No	Charge Type Description Day Ahead & Real Time Energy	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1		555.02	(202 740) ¢	(7.000.577.50)	258.578 \$	4.991.355.63	0 6		4.047 €	20.700.20	0 \$		0 0	
2	DA Asset Energy Amount DA Non-asset Energy Amount	555.09	(393,719) \$ 0 \$	(7,262,577.52)	258,578 \$ 4,150 \$	94,331.52	0 \$ 0 \$	-	1,247 \$ 0 \$	38,760.28	0 \$	-	0 \$ 0 \$	-
3		555.19		(004 544 04)				-	0 \$	-		-	0 \$	-
	RT Asset Energy Amount		(9,031) \$	(221,511.01)	10,192 \$	219,039.73	0 \$	-		-	0 \$	-		-
4 5	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$ (402,749) \$	(7,484,088.53)	0 \$ 272,920 \$	5,304,726.88	0 \$	- :	0 \$ 1,247 \$	38.760.28	0 \$		0 \$ 0 \$	
	Day Ahead & Real Time Energy Loss		(402,743) \$	(1,404,000.33)	212,320 \$	3,304,720.00	0 9	-	1,247 \$	30,700.20	0 3	•	υ φ	•
6	DA FBT Loss Amount	555.04	0 \$	_	0 \$	-	0 \$		0 \$	_	0 \$	_	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(16,009.85)	0 \$	114,258.24	0 \$	_	0 \$		0 \$	_	0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	(10,009.03)	0 \$	114,230.24	0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount	333.21	0 \$	(275,959.46)	0 \$		0 \$		0 \$		0 \$		0 \$	
10	RT Loss Amount		0 \$	(28,911.24)	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$	_
11	DA Losses Rebate on Option B GFA	555.08	0 \$	(20,511.24)	0 \$		0 \$	_	0 \$	_	0 \$	_	0 \$	
12	SUBTOTAL	000.00	0 \$	(320,880.55)	0 \$	114.258.24	0 \$		0 \$	-	0 \$		0 \$	
	/irtual Energy			(==;====;		,								
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	_	0 \$	_	0 \$	_	0 \$	_	0 \$		0 \$	_
15	SUBTOTAL	000.02	0 \$	-	0 S	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(50,285.87)	0 \$	-	0 \$	(101.16)	0 \$	-	0 \$	_	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(6,398.99)	0 \$	401.30	0 \$	(1,851.70)	0 \$	72.41	0 \$	_	0 \$	_
18	FTR Mkt Admin Amount	555.13	0 \$	(3,285.12)	0 \$	_	0 \$	-	0 \$	-	0 \$	_	0 \$	_
19	SUBTOTAL		0 \$	(59,969.98)	0 \$	401.30	0 \$	(1,952.86)	0 \$	72.41	0 \$		0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$	-	0 \$	(394,848.65)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	(82,704.91)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(314,743.81)	0 \$	1,348,470.48	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	- 1	0 \$	42,432.62	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 \$	(41,165.16)	0 \$	51,132.45	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(51,133.98)	0 \$	43,928.78	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(57,241.49)	0 \$	425,954.09	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(425,876.43)	0 \$	57,356.88	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(1,094.28)	0 \$	1.43	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(236.90)	0 \$	30,460.84	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL		0 \$	(974,196.96)	0 \$	1,604,888.92	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(5,917.00)	0 \$		0 \$	(399.52)	0 \$	-	0 \$	-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$	-	0 \$	2,098.79	0 \$	-	0 \$	-	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(21,815.88)	0 \$	139.92	0 \$	(1,473.30)	0 \$	9.30	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$		0 \$	-	0 \$	40,213.10	0 \$	-	0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0 \$	(07 700 00)	0 \$	56,482.12	0 \$	(4.070.00)	0 \$	3,815.24	0 \$	-	0 \$	-
41	SUBTOTAL RNU & Misc Charges		0 \$	(27,732.88)	0 \$	58,720.83	0 \$	(1,872.82)	0 \$	44,037.64	0 \$	-	0 \$	-
		555.05	0 ^	(450.00)	0.0	24.64	0.0		0 1		0.0		0 ^	
42	RT Misc Amount	555.25	0 \$	(150.68)	0 \$	21.84	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43 44	RT Net Inadvertent Amount RT Revenue Neutrality Uplift Amount	555.27 555.28	0 \$ 0 \$	(28,388.63) (37,286.42)	0 \$ 0 \$	5,788.48 23,180.90	0 \$ 0 \$	(2,518.28)	0 \$ 0 \$	1,565.63	0 \$	-	0 \$ 0 \$	-
44	RT Revenue Neutrality Uplift Amount RT Uninstructed Deviation Amount	555.28 555.31	0 \$	(31,200.42)	0 \$	23,180.90	0 \$	(2,516.28)	0 \$	1,000.03	0 \$	-	0 \$	-
45	RT Demand Response Allocation Uplift Amount	555.59	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46		555.63	0 \$	-	0 \$	5,980.66	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	DA Ramp Product RT Ramp Product	555.64	0 \$	(22.15)	0 \$	439.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(33.15) (6,478.14)	0 \$	439.20 21.49	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL	555.05	0 \$	(72,337.02)	0 \$	35,432.57	0 \$	(2,518.28)	0 \$	1,565.63	0 \$	-	0 \$	-
	ASM Charges		.	(12,001.02)		00,402.07	, ,	(2,010.20)	- 4	1,000.00			- 	-
51	RT ASM Non-Excessive Energy Amount	555.55	(43,444) \$	(632,544.21)	7,953 \$	140,252.41	(166) \$	(3,459.48)	20,444 \$	347,194.71	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(0) \$	(002,044.21)	7,955 \$ 25 \$	170,202.41	(0) \$	(0.22)	9 \$	127.77	0 \$	-	0 \$	-
53	SUBTOTAL	333.30	(43,444) \$	(632,544.21)	7,979 \$	140,252.41	(166) \$	(3,459.70)	20,453 \$	347,322.48	0 \$		0 \$	-
			(, , ♥	,,- : • /	., 🔻	,	(, ♥	(-, • /	-, 🔻	,10			- +	

Otter Tail Power Company Detail of MISO Day 2 Charges - System July 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		()		RET	AIL	. ,		ASSET BASED	WHOLESALE				SED WHOLESAI	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		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 \$	-
50	TOTAL MISO DAY 2 CHARGES		(446,194) \$	(9,571,750.13)	280,898 \$	7,258,681.15	(166) \$	(9,803.66)	21,700 \$	431,758.44	0 \$		0 \$	
60			(440,134) \$	(59,969.98)	200,030 \$	401.30	(100) \$	(5,603.66)	21,700 \$	431,730.44	0 \$		UŞ	
61			, ,	23,955.92	*	401.30								
62			ş	23,933.92										
63			•	-										
64														
65			s	(9,535,736.07)	s	7,258,279.85								
66	Net Retail for MN Energy Adjustment Rider		*	\$	(2,277,456.22)	1,200,210.00								
	Retail MWh include losses of 2.8%			*	(=,=,)									
•														
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	421,954.78			\$	-
69	Less: Fuel Cost								21,533 \$	417,854.39				
70	Less: Misc Cost Adjustment								\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72													\$	-
73	Less: Bilateral Purchases												\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	250.36			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE	•		·	·				\$	3,850.03			\$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System August 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost	ΓAIL MWh	Revenue	MWh	ASSET BASED I	MWh MWh	Revenue	MWh	NON ASSET BA	SED WHOLESA MWh	Revenue
No	Day Ahead & Real Time Energy	Acct	IVIVVII	Cost	INIAAU	Revenue	INIAAU	Cost	IVIVVII	Revenue	IVIVVII	Cost	IVIVVII	Revenue
1	DA Asset Energy Amount	555.02	(386,580) \$	(6,748,108.45)	234.552 \$	4,297,240.84	0 \$		790 \$	28,111.79	0 \$		0 \$	
2	DA Non-asset Energy Amount	555.02	0 \$	(0,740,100.43)	4,369 \$	95,073.85	0 \$		0 \$	20,111.75	0 \$		0 \$	
3	RT Asset Energy Amount	555.19	(8,736) \$	(317,656.30)	10,750 \$	213,842.55	0 \$	-	0 \$	-	0 \$		0 \$	
1	RT Non-Asset Energy Amount	555.26	0 \$	(317,030.30)	0 \$	213,042.33	0 \$	-	0 \$	-	0 \$		0 \$	
5	SUBTOTAL	000.20	(395,317) \$	(7,065,764.75)	249,671 \$	4,606,157.24	0 \$	-	790 \$	28,111.79	0 \$		0 \$	
	Day Ahead & Real Time Energy Loss		, ,	(),,,,,,	.,,,,,,	, , , ,	1							
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(20,222.11)	0 \$	130,858.33	0 \$	_	0 \$	_	0 \$		0 \$	
8	RT FBT Loss Amount	555.21	0 \$	- '	0 \$	_	0 \$	_	0 \$	_	0 \$		0 \$	
9	DA Loss Amount		0 \$	(262,782.77)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	(4,240.71)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	- '	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL		0 \$	(287,245.59)	0 \$	130,858.33	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(46,073.67)	0 \$	-	0 \$	(60.10)	0 \$	-	0 \$		0 \$	
17	RT Mkt Admin Amount	555.18	0 \$	(5,480.71)	0 \$	296.39	0 \$	(1,362.51)	0 \$	40.85	0 \$		0 \$	
18	FTR Mkt Admin Amount	555.13	0 \$	(3,151.20)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
19	SUBTOTAL		0 \$	(54,705.58)	0 \$	296.39	0 \$	(1,422.61)	0 \$	40.85	0 \$	-	0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
21	DA Congestion		0 \$	-	0 \$	(226,741.47)	0 \$	-	0 \$	-	0 \$		0 \$	
22 23	RT FBT Congestion Amount	555.20	0 \$	(00.000.00)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
	RT Congestion	555.44	0 \$	(22,066.20)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(281,406.15)	0 \$	564,381.11	0 \$	-	0 \$	-	0 \$		0 \$	-
25 26	FTR Monthly Allocation Amount	555.15 555.17	0 \$ 0 \$	-	0 \$ 0 \$	45,569.16	0 \$	-	0 \$ 0 \$	-	0 \$		0 \$	
27	FTR Yearly Allocation Amount	555.35	0 \$	-	0 \$	-		-	0 \$	-	0 \$		0 \$	-
28	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	555.36	0 \$	(45,045.34)	0 \$	27.805.26	0 \$ 0 \$	-	0 \$	-	0 \$		0 \$ 0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(27,805.26)	0 \$	45,045.34	0 \$	-	0 \$	-	0 \$		0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(57,241.49)	0 \$	425.954.09	0 \$	-	0 \$	-	0 \$		0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(425,876.43)	0 \$	57,356.88	0 \$	-	0 \$	-	0 \$		0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(1,092.85)	0 \$	1.43	0 \$	-	0 \$	-	0 \$		0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(1,092.00)	0 \$	30,342.39	0 \$		0 \$	-	0 \$		0 \$	
34	DA Congestion Rebate on Option B GFA	555.07	0 \$		0 \$	00,042.00	0 \$	_	0 \$	_	0 \$		0 \$	
35	SUBTOTAL	555.01	0 \$	(860,533.72)	0 \$	969,714.19	0 \$		0 \$	-	0 \$		0 \$	
	RSG & Make Whole Payments		, ,	,000,0002)		555,. 1-1.15	- ,				, ,			
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(6,176.06)	0 \$	17.57	0 \$	(286.90)	0 \$	0.81	0 \$		0 \$	
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10	0 \$	(5,770.00)	0 \$	5.949.13	0 \$	(200.00)	0 \$	71.56	0 \$		0 \$	
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(12,088.17)	0 \$	1,053.58	0 \$	(561.61)	0 \$	48.83	0 \$		0 \$	
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$	-	0 \$	()	0 \$	13,454.74	0 \$		0 \$	
40	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$	23,327.33	0 \$	-	0 \$	1,084.27	0 \$		0 \$	
41	SUBTOTAL	-	0 \$	(18,264.23)	0 \$	30,347.61	0 \$	(848.51)	0 \$	14,660.21	0 \$		0 \$	
	RNU & Misc Charges							,						
42	RT Misc Amount	555.25	0 \$	(325.31)	0 \$	92.49	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(17,013.99)	0 \$	11,944.37	0 \$	-	0 \$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(36,306.84)	0 \$	10,407.08	0 \$	(1,687.23)	0 \$	483.54	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	- '	0 \$	-	0 \$	- '	0 \$	-	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
47	DA Ramp Product	555.63	0 \$	-	0 \$	1,972.73	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$	(382.96)	0 \$	84.72	0 \$	-	0 \$	-	0 \$		0 \$	
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(7,443.75)	0 \$	36.03	0 \$	-	0 \$	-	0 \$		0 \$	
50	SUBTOTAL		0 \$	(61,472.85)	0 \$	24,537.42	0 \$	(1,687.23)	0 \$	483.54	0 \$	-	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(37,272) \$	(662,762.82)	4,271 \$	80,398.80	(101) \$	(2,894.93)	16,819 \$	363,157.25	0 \$		0 \$	
52	RT ASM Excessive Energy Amount	555.56	0 \$	· · · · · · · · · · · · · · · · ·	30 \$	98.95	0 \$	-	45 \$	1,046.25	0 \$		0 \$	
53	SUBTOTAL		(37,272) \$	(662,762.82)	4,301 \$	80,497.75	(101) \$	(2,894.93)	16,864 \$	364,203.50	0 \$		0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System August 2020 includes any adjustments

						,,								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		` '	. ,	RET			, ,	ASSET BASED		17		NON ASSET BAS		
	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 \$	-
59			(432,589) \$	(9,010,749.54)	253,971 \$	5,842,408.93	(101) \$	(6,853.28)	17,654 \$	407,499.89	0 \$	-	0 \$	-
60			\$	(54,705.58)	\$	296.39								
61			\$	(1,686.84)										
62			\$	-										
63														
64				(0.054.057.40)										
65			\$	(8,954,357.12)	(0.440.044.50)	5,842,112.54								
66	Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$	(3,112,244.58)									
67	Retail MVVN include losses of 2.6%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSACT	TIONS											
68		10 110 110 10							s	400,646.61			s	
69									17,552 \$	335,039.64			•	
70									\$	-			s	_
71									•				Š	_
72													\$	-
73													\$	- 1
74									\$	212.89			\$	-
75									·				·	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	65,394.08			\$	-
1														

Otter Tail Power Company Detail of MISO Day 2 Charges - System September 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charac Time Beautistics		MWh	Cost	MWh	Revenue	MWh	ASSET BASED V	WHOLESALE MWh	D	MWh	NON ASSET BA Cost	SED WHOLESALE MWh	
No. I	Charge Type Description Day Ahead & Real Time Energy	Acct	MWN	Cost	MVVn	Revenue	MIVVN	Cost	MIVVN	Revenue	MVVn	Cost	MWN	Revenue
1	DA Asset Energy Amount	555.02	(351,724) \$	(5,241,434.81)	200.119 \$	3,063,452.77	0 \$		1,629 \$	56.660.43	0 \$		0 \$	
2	DA Asset Energy Amount DA Non-asset Energy Amount	555.02 555.09	(351,724) \$	(5,241,434.61)	4,198 \$	83,307.48	0 \$	-	0 \$	50,000.43	0 \$	-	0 \$	-
3	RT Asset Energy Amount	555.09	(1,825) \$	(227,482.57)	28,787 \$	475,030.35	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount	555.19	(1,625) \$	(221,402.51)	20,767 \$	475,030.33	0 \$	-	0 \$	-	0 \$	-	0 \$	-
5	SUBTOTAL	555.26	(353,549) \$	(5,468,917.38)	233,104 \$	3,621,790.60	0 \$	-	1,629 \$	56.660.43	0 \$		0 \$	-
	Day Ahead & Real Time Energy Loss		(000,010) \$	(0,100,011.00)	200,104 \$	0,021,100.00			.,e20 ¥	00,000.10				
6	DA FBT Loss Amount	555.04	0 \$		0 \$		0 \$		0 \$	-	0 \$		0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(405,518.93)	0 \$	550,505.53	0 \$	_	0 \$	_	0 \$	_	0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	(400,010.50)	0 \$	-	0 \$	_	0 \$		0 \$	_	0 \$	_
9	DA Loss Amount	000.21	0 \$	(184,594.18)	0 \$		0 \$	_	0 \$	_	0 \$	_	0 \$	_
10	RT Loss Amount		0 \$	(17,705.91)	0 \$	_	0 \$	_	0 \$	_	0 \$	_	0 \$	_
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	_	0 \$	-	0 \$	_	0 \$	_	0 \$	_
12	SUBTOTAL		0 \$	(607,819.02)	0 \$	550,505.53	0 \$	-	0 \$	-	0 \$	-	0 \$	
	/irtual Energy													
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(43,173.42)	0 \$	-	0 \$	(125.90)	0 \$	-	0 \$	-	0 \$	
17	RT Mkt Admin Amount	555.18	0 \$	(5,982.76)	0 \$	486.03	0 \$	(2,933.79)	0 \$	68.57	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(2,594.40)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
19	SUBTOTAL		0 \$	(51,750.58)	0 \$	486.03	0 \$	(3,059.69)	0 \$	68.57	0 \$		0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$	-	0 \$	(74,371.77)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	6,488.21	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(231,332.47)	0 \$	628,786.68	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$	34,518.09	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 \$	64,195.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(33,597.40)	0 \$	42,951.34	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(42,951.34)	0 \$	33,597.58	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(30,472.55)	0 \$	436,637.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(429,384.66)	0 \$	30,620.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(1,454.50)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	32,584.39	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$ 0 \$	(762,704.71)	0 \$ 0 \$	1,229,519.55	0 \$		0 \$	-	0 \$		0 \$ 0 \$	-
	RSG & Make Whole Payments		0 \$	(762,704.71)	U \$	1,229,519.55	0 \$	<u> </u>	0 \$	-	0 \$	<u> </u>	<u> </u>	-
		555.10	0 ¢	(11,286.77)	0 \$	63.69	0 6	(1,106.15)	0 \$	6.24	0 6		0 \$	
36 37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10 555.11	0 \$ 0 \$	(11,200.77)	0 \$	2.720.90	0 \$ 0 \$	(1,100.15)	0 \$	164.70	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.11	0 \$	(15,883.34)	0 \$	1,686.33	0 \$	(1,556.39)	0 \$	165.17	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.29	0 \$	(10,000.04)	0 \$	1,000.33	0 \$	(1,550.59)	0 \$	5,015.01	0 \$	-	0 \$	
40	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$	12,356.30	0 \$	-	0 \$	1.211.13	0 \$	-	0 \$	
41	SUBTOTAL	000.72	0 \$	(27,170.11)	0 \$	16,827.22	0 \$	(2,662.54)	0 \$	6,562.25	0 \$		0 \$	-
	RNU & Misc Charges			, , ,	- •	.,		, , , , ,	- 7	,,,,,,,,,	· ·			
42	RT Misc Amount	555.25	0 \$	(332.50)	0 \$	2,760.68	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(2,562.95)	0 \$	30,444.54	0 \$	-	0 \$	-	0 \$	_	0 \$	_
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(574,457.72)	0 \$	2,969.04	0 \$	(56,304.90)	0 \$	290.95	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	- '	0 \$	-	0 \$	- '	0 \$	-	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(0.32)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$		0 \$	282.31	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$	(182.48)	0 \$	199.01	0 \$	-	0 \$	-	0 \$	-	0 \$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(8,333.81)	0 \$	54.72	0 \$		0 \$		0 \$	-	0 \$	<u> </u>
50	SUBTOTAL		0 \$	(585,869.78)	0 \$	36,710.30	0 \$	(56,304.90)	0 \$	290.95	0 \$	-	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55	(23,303) \$	(376,834.69)	7,602 \$	137,674.96	(310) \$	(49,698.99)	35,022 \$	563,061.22	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	0 \$	(142.32)	32 \$	-	0 \$	-	0 \$		0 \$	-	0 \$	-
53	SUBTOTAL		(23,303) \$	(376,977.01)	7,634 \$	137,674.96	(310) \$	(49,698.99)	35,022 \$	563,061.22	0 \$	-	0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System September 2020 includes any adjustments

			(=)	(4)	(=)	-	-	(0)	4.0	(1)		40		
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(1)	(J)	(K) NON ASSET BAS	(L)	(M)
	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		555.23	0 \$	_	0 \$	_	0 \$	_	0 \$	_	0 \$	_	0 \$	_
58			0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
	TOTAL MISO DAY 2 CHARGES		(376,852) \$	(7,881,208.59)	240,737 \$	5,593,514.19	(310) \$	(111,726.12)	36,651 \$	626,643.42	0 \$	-	0 \$	-
60			\$	(51,750.58)	\$	486.03								
61			\$	25,655.48										
62			\$	-										
63														
64														
65			\$	(7,855,113.49)	\$	5,593,028.16								
66				\$	(2,262,085.33)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	514,917.30			\$	-
69									36,341 \$	653,315.42				
70									\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72													\$	-
73													\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	445.36			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	(138,843.48)			\$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System October 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RET				ASSET BASED V					SED WHOLESAL	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(367,457) \$	(5,282,597.94)	179,911 \$	2,512,655.08	0 \$	-	2,131 \$	65,158.50	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$	-	4,050 \$	67,660.37	0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount	555.19	(8,205) \$	(192,975.82)	46,562 \$	576,819.67	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4 5	RT Non-Asset Energy Amount SUBTOTAL	555.26	(4) \$ (375,666) \$	(2,557.34) (5,478,131.10)	0 \$ 230,523 \$	2,492.99 3,159,628.11	0 \$ 0 \$		0 \$ 2,131 \$	65.158.50	0 \$ 0 \$		0 \$ 0 \$	-
	Day Ahead & Real Time Energy Loss		(070,000) \$	(0,470,101.10)	200,020 \$	0,100,020.11			Σ,101 ψ	00,100.00			<u>_</u>	_
6	DA FBT Loss Amount	555.04	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(9,569.27)	0 \$	97,777.98	0 \$	_	0 \$	_	0 \$		0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	(0,000.21)	0 \$	-	0 \$	_	0 \$	_	0 \$	_	0 \$	_
9	DA Loss Amount		0 \$	(159,137.11)	0 \$	_	0 \$	_	0 \$	-	0 \$	_	0 \$	_
10	RT Loss Amount		0 \$	(10,782.25)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	_	0 \$	-
12	SUBTOTAL		0 \$	(179,488.63)	0 \$	97,777.98	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Virtual Energy													
13	DA Virtual Energy Amount	555.12	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	<u> </u>	0 \$	-	0 \$	<u> </u>	0 \$	-	0 \$	<u> </u>	0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(48,585.59)	0 \$	-	0 \$	(199.42)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(8,542.33)	0 \$	356.92	0 \$	(963.86)	0 \$	-	0 \$	-	0 \$	-
18 19	FTR Mkt Admin Amount SUBTOTAL	555.13	0 \$ 0 \$	(2,031.20) (59,159.12)	0 \$	356.92	0 \$ 0 \$	(1,163.28)	0 \$	-	0 \$		0 \$ 0 \$	-
19	Congestion & FTRs		0 \$	(59,159.12)	0 \$	356.92	0 \$	(1,163.26)	U \$	-	0 \$		0 \$	-
20	DA FBT Congestion Amount	555.03	0 \$		0 \$	-	0 S		0 \$		0 \$		0 \$	-
21	DA Congestion DA Congestion	333.03	0 \$		0 \$	87.908.44	0 \$		0 \$	-	0 \$		0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	07,500.44	0 \$	_	0 \$	_	0 \$		0 \$	-
23	RT Congestion	000.20	0 \$	36,788.87	0 \$	_	0 \$	-	0 \$	-	0 \$	_	0 \$	_
24	FTR Hourly Allocation Amount	555.14	0 \$	(156,602.85)	0 \$	547,120.32	0 \$	_	0 \$	_	0 \$	_	0 \$	_
25	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$	11,554.57	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 \$	58,974.19	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(10,193.86)	0 \$	46,345.48	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(46,345.48)	0 \$	4,920.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(30,472.55)	0 \$	436,637.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(429,384.66)	0 \$	30,620.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(1,454.50)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	32,584.39	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34 35	DA Congestion Rebate on Option B GFA	555.07	0 \$	(007.005.00)	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-
	SUBTOTAL RSG & Make Whole Payments		0 \$	(637,665.03)	0 \$	1,256,665.55	0 \$	•	0 \$	-	0 \$	-	0 \$	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(10,212.33)	0 \$	0.70	0 \$	(330.74)	0 \$	0.02	0 \$		0 \$	
37	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10	0 \$	(10,212.33)	0 \$	18,413.91	0 \$	(330.74)	0 \$	46.36	0 \$		0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(15,353.77)	0 \$	2,814.98	0 \$	(497.15)	0 \$	91.06	0 \$		0 \$	
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	(10,000.77)	0 \$	2,014.50	0 \$	(457.10)	0 \$	4.701.87	0 \$		0 \$	
40	RT Price Volatility Make Whole Payment	555.42	0 \$	_	0 \$	9,907.47	0 \$	_	0 \$	321.02	0 \$	_	0 \$	_
41	SUBTOTAL		0 \$	(25,566.10)	0 \$	31,137.06	0 \$	(827.89)	0 \$	5,160.33	0 \$	-	0 \$	-
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0 \$	(1,478.47)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(3,587.38)	0 \$	4,355.02	0 \$	-	0 \$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(78,539.47)	0 \$	35,463.94	0 \$	(2,544.30)	0 \$	1,148.82	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(0.36)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$	- (0.17.46)	0 \$	269.88	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64 555.65	0 \$ 0 \$	(317.42)	0 \$	66.03	0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
49 50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$	(6,414.60) (90,337.70)	0 \$	54.31 40,209.18	0 \$ 0 \$	(2,544.30)	0 \$	1,148.82	0 \$		0 \$	-
30	ASM Charges		U \$	(30,337.70)	J 3	40,203.10	0 \$	(2,344.30)	U \$	1,140.02	0 3		U \$	-
51	RT ASM Non-Excessive Energy Amount	555.55	(29,735) \$	(449,474.11)	10,006 \$	163,914.49	(308) \$	(1,714.85)	9,454 \$	175,510.46	0 \$		0 \$	
52	RT ASM Excessive Energy Amount	555.56	0 \$	(23.99)	29 \$	100,514.45	0 \$	(1,714.55)	2 \$	31.30	0 \$	_	0 \$	
53	SUBTOTAL	555.55	(29,735) \$	(449,498.10)	10,035 \$	163,914.49	(308) \$	(1,714.85)	9,456 \$	175,541.76	0 \$		0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System October 2020 includes any adjustments

						,,								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
		` '		RE1		` /	` '	ASSET BASED	WHOLESALE		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	NON ASSET BAS	ED WHOLESAL	
	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		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 \$	-
	TOTAL MISO DAY 2 CHARGES		(405,401) \$	(6,919,845.78)	240,558 \$	4,749,689.29	(308) \$	(6,250.32)	11,587 \$	247,009.41	0 \$	-	0 \$	-
60			\$	(59,159.12)	\$	356.92								
61			\$	2,514.50										
62			\$	-										
63														
64														
65			\$	(6,863,201.16)	\$	4,749,332.37								
66				\$	(2,113,868.79)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL DEVENUE AND GOOTS OF ASSET BASED AND NON ASSET BASE	D TD 4110 4 0 7	TIONIO											
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	DIRANSACI	IONS											
68									\$	240,759.09			\$	-
69									11,279 \$	205,273.50			_	
70									\$	-			\$	-
71													\$	-
72													\$	-
73										100.00			\$	-
74									\$	163.99			\$	-
75 76										25 224 22				
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	35,321.60			\$	-
1							1				1			

Otter Tail Power Company Detail of MISO Day 2 Charges - System November 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(1)	(J)	(K) NON ASSET BA	(L)	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No. D	lay Ahead & Real Time Energy	Acci	IWIVVII	COSL	WIVVII	Revenue	IVIVVII	COST	IVIVVII	Kevenue	IVIVVII	COST	IVIVVII	Revenue
1	DA Asset Energy Amount	555.02	(435,180) \$	(7,332,835.47)	274.793 \$	4,831,034.73	0 \$	-	4,212 \$	127,598.57	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$	-	4,702 \$	100,637.50	0 \$	_	0 \$	-	0 \$		0 \$	
3	RT Asset Energy Amount	555.19	(173,671) \$	(172,320.13)	43,316 \$	435,800.00	0 \$	_	0 \$	_	0 \$	_	0 \$	_
4	RT Non-Asset Energy Amount	555.26	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	_	0 \$	-
5	SUBTOTAL		(608,852) \$	(7,505,155.60)	322,811 \$	5,367,472.23	0 \$	-	4,212 \$	127,598.57	0 \$	-	0 \$	-
D	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 \$	(2,953.60)	0 \$	149,342.01	0 \$	-	0 \$	-	0 \$		0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
9	DA Loss Amount		0 \$	(358,399.81)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
10 11	RT Loss Amount	555.00	0 \$ 0 \$	(58,901.05)	0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$		0 \$ 0 \$	-
12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$	(420,254.46)	0 \$ 0 \$	149.342.01	0 \$	-	0 \$	-	0 \$		0 \$	-
	irtual Energy		0 9	(420,234.40)		143,342.01	- 0 3		υ ψ	-	0 \$		<u></u>	
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	230.02	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
	chedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$	(62,143.66)	0 \$	-	0 \$	(391.66)	0 \$	-	0 \$		0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(8,004.62)	0 \$	1,494.58	0 \$	(3,094.21)	0 \$	-	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(2,195.28)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
19	SUBTOTAL		0 \$	(72,343.56)	0 \$	1,494.58	0 \$	(3,485.87)	0 \$	-	0 \$	-	0 \$	-
	Congestion & FTRs													
20 21	DA FBT Congestion Amount	555.03	0 \$ 0 \$	-	0 \$	(044.004.05)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$		0 \$ 0 \$	-
22	DA Congestion RT FBT Congestion Amount	555.20	0 \$	-	0 \$ 0 \$	(241,661.05)	0 \$	-	0 \$	-	0 \$		0 \$	-
23	RT Congestion Amount RT Congestion	555.20	0 \$	(135,667.97)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(120,371.21)	0 \$	862,879.46	0 \$		0 \$	_	0 \$		0 \$	
25	FTR Monthly Allocation Amount	555.15	0 \$	(2.31)	0 \$	17,581.02	0 \$	_	0 \$	_	0 \$		0 \$	_
26	FTR Yearly Allocation Amount	555.17	0 \$	(2.01)	0 \$	17,001.02	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 \$	(17,583.02)	0 \$	45,911.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(45,937.81)	0 \$	23,514.34	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(30,472.55)	0 \$	436,637.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(429,384.66)	0 \$	30,620.32	0 \$	-	0 \$	-	0 \$		0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(1,454.50)	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	32,584.39	0 \$	-	0 \$	-	0 \$		0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	-
35 P	SUBTOTAL SG & Make Whole Payments		0 \$	(780,874.03)	0 \$	1,208,067.92	0 \$	-	0 \$	-	0 \$		0 \$	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(12,381.80)	0 \$		0 \$	(1,352.03)	0 \$	-	0 \$		0 \$	
36	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10 555.11	0 \$	(12,301.00)	0 \$	2.718.51	0 \$	(1,352.03)	0 \$	164.11	0 \$		0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(18,889.16)	0 \$	205.09	0 \$	(2,062.52)	0 \$	22.16	0 \$		0 \$	
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$	200.03	0 \$	(2,002.02)	0 \$	3,653.97	0 \$		0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$	11,256.64	0 \$	-	0 \$	1,229.34	0 \$		0 \$	-
41	SUBTOTAL		0 \$	(31,270.96)	0 \$	14,180.24	0 \$	(3,414.55)	0 \$	5,069.58	0 \$	-	0 \$	-
	NU & Misc Charges							_						
42	RT Misc Amount	555.25	0 \$	(282.36)	0 \$	0.05	0 \$	-	0 \$	-	0 \$		0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(1,071.68)	0 \$	2,647.46	0 \$	-	0 \$	-	0 \$		0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(90,273.48)	0 \$	15,156.19	0 \$	(9,858.32)	0 \$	1,654.96	0 \$		0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	-	0 \$	0.61	0 \$	-	0 \$	-	0 \$		0 \$	-
47	DA Ramp Product	555.63	0 \$	- (054.05)	0 \$	418.07	0 \$	-	0 \$	-	0 \$		0 \$	-
48	RT Ramp Product	555.64 555.65	0 \$	(351.93)	0 \$	230.89	0 \$	-	0 \$	-	0 \$		0 \$	-
49 50	RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$ 0 \$	(4,903.53) (96,882.98)	0 \$ 0 \$	3.27 18,456.54	0 \$ 0 \$	(9,858.32)	0 \$ 0 \$	1,654.96	0 \$		0 \$ 0 \$	-
	SM Charges		0 3	(30,002.30)	- J	10,430.34	0 \$	(3,030.32)	0 0	1,054.30	0 \$		0 \$	
51	RT ASM Non-Excessive Energy Amount	555.55	(35,718) \$	(493,323.08)	22,351 \$	211,418.56	(552) \$	(13,367.51)	33,481 \$	631,855.49	0 \$		0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(40) \$	(29.13)	127 \$	201.13	0 \$	(10,001.01)	50 \$	534.21	0 \$		0 \$	_
53	SUBTOTAL		(35,759) \$	(493,352.21)	22,478 \$	211,619.69	(552) \$	(13,367.51)	33,530 \$	632,389.70	0 \$		0 \$	

Otter Tail Power Company Detail of MISO Day 2 Charges - System November 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
		(7	\-/	RET		\-/	(-/	ASSET BASED		1.7		NON ASSET BAS		
	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		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 \$	-
	TOTAL MISO DAY 2 CHARGES		(044.040) 6	(9,400,133.80)	345,289 \$	6,970,633.21	(552) \$	(30,126.25)	37,742 \$	766,712.81	0 \$		0.6	
60			(644,610) \$		345,269 \$	1,494.58	(552) \$	(30,126.25)	31,142 \$	/66,/12.61	0 \$	-	0 \$	-
			\$	(72,343.56)	•	1,494.56								
61 62			\$	11,641.19										
63			Þ	(9,904.48)										
64														
65			s	(9,329,526.95)	s	6.969.138.63								
66			Þ	(9,329,526.95)	(2,360,388.32)	6,969,136.63								
	Retail MWh include losses of 2.8%			a a	(2,360,366.32)									
07	Retail WWWI Include losses of 2.0%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	D TRANSAC	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	736,586.56			\$	-
69	Less: Fuel Cost								37,189 \$	678,947.53				
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								\$	513.54			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE		•						\$	57,125.49			\$	-
		-												

Otter Tail Power Company Detail of MISO Day 2 Charges - System December 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
	Observe Town Broad Affice			RET		_	****	ASSET BASED V		_			SED WHOLESALE	
No	Charge Type Description Day Ahead & Real Time Energy	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1		555.02	(477.000) ¢	(0.755.040.00)	291.696 \$	5 275 020 20	0 6		4.000 €	405 440 07	0 \$		0.6	
2	DA Asset Energy Amount DA Non-asset Energy Amount	555.09	(477,680) \$ 0 \$	(8,755,019.83)	291,696 \$ 5,385 \$	5,275,820.29 112,261.45	0 \$	-	4,082 \$ 0 \$	105,119.07	0 \$	-	0 \$ 0 \$	-
3		555.19		400 400 00				-		-		-	0 \$	-
	RT Asset Energy Amount		(16,295) \$	492,102.33	32,758 \$	626,503.29	0 \$	-		-	0 \$	-		-
4 5	RT Non-Asset Energy Amount SUBTOTAL	555.26	0 \$ (493,975) \$	(8,262,917.50)	0 \$ 329,838 \$	6,014,585.03	0 \$	- :	0 \$ 4,082 \$	105,119.07	0 \$		0 \$ 0 \$	
	Day Ahead & Real Time Energy Loss		(430,370) ψ	(0,202,317.00)	023,000 ¥	0,014,000.00			4,002 ψ	100,110.01				_
6	DA FBT Loss Amount	555.04	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$		0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(11,967.41)	0 \$	158,283.96	0 \$	_	0 \$		0 \$	_	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$	(11,307.41)	0 \$	130,203.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount	333.21	0 \$	(314,366.26)	0 \$	<u> </u>	0 \$		0 \$		0 \$		0 \$	
10	RT Loss Amount		0 \$	(121,983.61)	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$	_
11	DA Losses Rebate on Option B GFA	555.08	0 \$	(121,000.01)	0 \$		0 \$	_	0 \$	_	0 \$	_	0 \$	
12	SUBTOTAL	000.00	0 \$	(448,317.28)	0 \$	158.283.96	0 \$		0 \$	-	0 \$		0 \$	-
	/irtual Energy			(110,01112)		100,20000								
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										1		-	
16	DA Mkt Admin Amount	555.01	0 \$	(69,151.84)	0 \$	-	0 \$	(375.81)	0 \$	-	0 \$	-	0 \$	
17	RT Mkt Admin Amount	555.18	0 \$	(10,873.13)	0 \$	822.07	0 \$	(2,632.49)	0 \$	1.82	0 \$	_	0 \$	_
18	FTR Mkt Admin Amount	555.13	0 \$	(2,873.28)	0 \$	_	0 \$	-	0 \$		0 \$	_	0 \$	-
19	SUBTOTAL		0 \$	(82,898.25)	0 \$	822.07	0 \$	(3,008.30)	0 \$	1.82	0 \$		0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$	-	0 \$	(218,507.51)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	(675,491.70)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(83,907.63)	0 \$	701,490.80	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	(66.01)	0 \$	25,783.28	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 \$	(24,117.65)	0 \$	95,484.42	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(95,454.49)	0 \$	25,135.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(19,193.99)	0 \$	408,685.69	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(404,985.52)	0 \$	20,022.26	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(2,175.57)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	23,824.48	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL		0 \$	(1,305,392.56)	0 \$	1,081,918.72	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(13,245.43)	0 \$	6.41	0 \$	(1,058.06)	0 \$	0.51	0 \$	-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$	-	0 \$	0.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(20,883.31)	0 \$	612.69	0 \$	(1,668.11)	0 \$	48.78	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	- (0.05)	0 \$		0 \$	(3.58)	0 \$	3,605.03	0 \$	-	0 \$	-
40 41	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(0.03)	0 \$	8,787.38	0 \$	(2,729.75)	0 \$	702.07	0 \$	-	0 \$	-
	SUBTOTAL RNU & Misc Charges		0 \$	(34,128.77)	0 \$	9,406.52	0 \$	(2,/29./5)	0 \$	4,356.39	0 \$	-	0 \$	-
		555.05	0. ^	(400.54)	0.0		0.0		0 1		0.0			
42	RT Misc Amount	555.25	0 \$	(136.54)	0 \$	4.869.47	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43 44	RT Net Inadvertent Amount RT Revenue Neutrality Uplift Amount	555.27 555.28	0 \$ 0 \$	(4,575.61)	0 \$ 0 \$	4,869.47 11,806.59	0 \$ 0 \$	(8,995.14)	0 \$ 0 \$	943.02	0 \$	-	0 \$ 0 \$	-
44	RT Revenue Neutrality Uplift Amount RT Uninstructed Deviation Amount	555.28 555.31	0 \$	(112,592.74)	0 \$	11,806.59	0 \$	(6,995.14)	0 \$	943.02	0 \$	-	0 \$	-
45	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(12,894.00)	0 \$	40.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46		555.63	0 \$	(12,094.00)	0 \$	127.25	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	DA Ramp Product RT Ramp Product	555.64	0 \$	(166.44)	0 \$	205.84	0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(166.41) (6,224.94)	0 \$	∠∪5.64	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL	000.00	0 \$	(136,590.24)	0 \$	17,049.23	0 \$	(8,995.14)	0 \$	943.02	0 \$		0 \$	-
	ASM Charges			(100,000.24)		11,040.20	- ,	(0,000.14)	- 4	J-J.UZ				
51	RT ASM Non-Excessive Energy Amount	555.55	(34,222) \$	(836,859.53)	42,112 \$	254,020.17	(143) \$	(3,599.67)	26,738 \$	550,943.54	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(26) \$	(134.32)	42,112 \$ 52 \$	27.10	0 \$	(0,055.01)	20,736 \$ 8 \$	44.54	0 \$	-	0 \$	-
53	SUBTOTAL	333.30	(34,249) \$	(836,993.85)	42,164 \$	254,047.27	(143) \$	(3,599.67)	26,746 \$	550,988.08	0 \$		0 \$	-
			(,,- ♥	,,)	·=,·-· ¥	,	\··-, ¥	(-,,	-,· ·- ¥	,				

Otter Tail Power Company Detail of MISO Day 2 Charges - System December 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(1)	(J)	(K) NON ASSET BAS	(L)	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
	Grandfathered Charge Types	Acct	1010011	0031		revenue	1417411	0031		Revenue		0031		Revenue
54	0 71	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		000.20	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
59	TOTAL MISO DAY 2 CHARGES		(528,224) \$	(11,107,238.45)	372,002 \$	7,536,112.80	(143) \$	(18,332.86)	30,827 \$	661,408.38	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(82,898.25)	\$	822.07								
61			\$	(35,096.80)										
62			\$	-										
63														
64														
65			\$	(10,989,243.40)	\$	7,535,290.73								
66				\$	(3,453,952.67)									
67	Retail MWh include losses of 2.8%													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	TRANSAC	TIONS											
68									\$	643,075.52			\$	-
69									30,468 \$	596,056.49				
70									\$	-			\$	-
71	Plus: Capacity Revenue												\$	-
72													\$	-
73													\$	-
74									\$	418.70			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	46,600.33			\$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System Year to Date 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RE*				ASSET BASED V		_			SED WHOLESALI	
No	Charge Type Description Day Ahead & Real Time Energy	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
1		555.02	(4.050.000)	(70.075.000.54)	2.873.905 \$	47.481.221.60	0 \$		22,854 \$	620.381.83	0 \$		0 \$	
2	DA Asset Energy Amount DA Non-asset Energy Amount	555.02 555.09	(4,856,892) \$ 0 \$	(78,275,228.51)	2,873,905 \$ 54.751 \$	1,011,428.76	0 \$	-	22,854 \$ 0 \$	020,361.63	0 \$	-	0 \$	-
3		555.19		(2.502.447.04)				-		-		-	0 \$	-
	RT Asset Energy Amount		(278,456) \$	(3,502,417.84)	256,266 \$	3,998,151.50	0 \$	-		-	0 \$	-		-
4 5	RT Non-Asset Energy Amount SUBTOTAL	555.26	(20) \$ (5,135,369) \$	(2,684.60) (81,780,330.95)	0 \$ 3,184,922 \$	2,492.99 52,493,294.85	0 \$	- :	0 \$ 22,854 \$	620.381.83	0 \$ 0 \$		0 \$ 0 \$	-
	Day Ahead & Real Time Energy Loss		(0,100,000) ψ	(01,700,000.00)	0,104,522	02,400,204.00			22,004 ψ	020,001.00			<u>_</u>	_
6	DA FBT Loss Amount	555.04	0 \$	_	0 \$	-	0 \$		0 \$	_	0 \$		0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(513,937.00)	0 \$	1,827,319.56	0 \$	_	0 \$		0 \$	_	0 \$	_
8	RT FBT Loss Amount	555.21	0 \$	(313,337.00)	0 \$	1,027,319.30	0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount	333.21	0 \$	(3,222,132.38)	0 \$		0 \$		0 \$		0 \$		0 \$	-
10	RT Loss Amount		0 \$	(277,615.81)	0 \$	_	0 \$	_	0 \$		0 \$	_	0 \$	_
11	DA Losses Rebate on Option B GFA	555.08	0 \$	(277,010.01)	0 \$		0 \$	_	0 \$	_	0 \$	_	0 \$	_
12	SUBTOTAL	000.00	0 \$	(4,013,685.19)	0 \$	1,827,319.56	0 \$	-	0 \$	-	0 \$		0 \$	-
,	/irtual Energy		,	() / /		, , , , , , , ,								
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	_	0 \$	_	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Schedules 16 & 17		·											
16	DA Mkt Admin Amount	555.01	0 \$	(673,462.13)	0 \$	-	0 \$	(2,028.99)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(85,408.85)	0 \$	7,845.50	0 \$	(20,863.46)	0 \$	728.24	0 \$	-	0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(33,387.60)	0 \$	_	0 \$	- 1	0 \$	-	0 \$	_	0 \$	-
19	SUBTOTAL		0 \$	(792,258.58)	0 \$	7,845.50	0 \$	(22,892.45)	0 \$	728.24	0 \$	-	0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
21	DA Congestion		0 \$	-	0 \$	(1,544,000.25)	0 \$	-	0 \$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$	(730,238.36)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$	(2,252,420.97)	0 \$	7,446,248.19	0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$	(71.36)	0 \$	271,565.27	0 \$	-	0 \$	-	0 \$	-	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$	1,197.27	0 \$	-	0 \$	-	0 \$	-	0 \$	-
27	FTR Monthly Transaction Amount	555.35	0 \$	-	0 \$	183,492.75	0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(259,752.07)	0 \$	474,715.98	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(474,716.29)	0 \$	256,071.87	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(324,696.35)	0 \$	4,233,665.89	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(4,212,890.42)	0 \$	331,843.18	0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(27,373.62)	0 \$	2.86	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(236.90)	0 \$	348,696.24	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL		0 \$	(8,282,396.34)	0 \$	12,003,499.25	0 \$	<u> </u>	0 \$	-	0 \$	<u> </u>	0 \$	-
	RSG & Make Whole Payments													
36 37	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(97,181.00)	0 \$	184.95	0 \$	(5,677.48)	0 \$	9.83	0 \$	-	0 \$	-
	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$	(400,000,54)	0 \$	65,293.05	0 \$	(0.440.50)	0 \$	549.83	0 \$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(123,682.51)	0 \$	8,254.02	0 \$	(8,446.58)	0 \$	436.24	0 \$	-	0 \$	-
39 40	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	555.30 555.42	0 \$	(4.00)	0 \$	190.150.12	0 \$	(3.58)	0 \$	77,813.94 10,762.13	0 \$	-	0 \$ 0 \$	-
41	SUBTOTAL	555.42	0 \$ 0 \$	(4.02) (220,867.53)	0 \$	190,150.12 263,882.14	0 \$	(0.07) (14,127.71)	0 \$	10,762.13 89,571.97	0 \$		0 \$	-
	RNU & Misc Charges		0 \$	(220,007.03)	0 \$	203,002.14	0 \$	(14,121./1)	U \$	03,311.31	0 3		U \$	-
42	RT Misc Amount	555.25	0 \$	(86,996.41)	0 \$	5,206.04	0 \$		0 \$	_	0 \$		0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(104,537.78)	0 \$	97,172.63	0 \$	-	0 \$	[]	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(1,299,690.81)	0 \$	240,362.53	0 \$	(94,283.91)	0 \$	10,264.44	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.26	0 \$	(1,200,000.01)	0 \$	240,362.55	0 \$	(04,200.01)	0 \$	10,204.44	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(12,895.22)	0 \$	40.70	0 \$		0 \$		0 \$	-	0 \$	
47	DA Ramp Product	555.63	0 \$	(.2,555.22)	0 \$	14,498.71	0 \$	-	0 \$	-	0 \$		0 \$	-
48	RT Ramp Product	555.64	0 \$	(2,001.83)	0 \$	1.818.38	0 \$	-	0 \$	1	0 \$		0 \$	
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(143,206.21)	0 \$	192.30	0 \$		0 \$		0 \$	-	0 \$	-
50	SUBTOTAL	555.00	0 \$	(1,649,328.26)	0 \$	359,291.29	0 \$	(94,283.91)	0 \$	10,264.44	0 \$		0 \$	-
	ASM Charges			, , . , ,	· •	,==	1	(. ,)		,	· ·		- 1	
51	RT ASM Non-Excessive Energy Amount	555.55	(405,357) \$	(6,104,048.69)	138,488 \$	1,623,207.87	(5,303) \$	(130,616.71)	216,511 \$	3,972,360.03	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(98) \$	(1,792.27)	1,399 \$	459.33	(9) \$	(0.22)	312 \$	4.011.83	0 \$	_	0 \$	_
53	SUBTOTAL	000.00	(405,455) \$	(6,105,840.96)	139,886 \$	1,623,667.20	(5,312) \$	(130,616.93)	216,823 \$	3,976,371.86	0 \$	-	0 \$	-

Otter Tail Power Company Detail of MISO Day 2 Charges - System Year to Date 2020 includes any adjustments

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
				RI	ETAIL			ASSET BASED	WHOLESALE		1	NON ASSET BAS	ED 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		(5,540,823) \$	(102,844,707.81)	3,324,808 \$	68,578,799.79	(5,312) \$	(261,921.00)	239,677 \$	4,697,318.34	0 \$	•	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(792,258.58)	\$	7,845.50								
61			\$	78,121.35										
62	No DA generation sch., but still had output for current month		\$	(9,904.48)										
63 64														
65	Total for MM Forence Adjustment Dides		•	(400 400 000 40)		CO 570 054 00								
66	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider		Þ	(102,120,666.10)	\$ (22.540.744.04)	68,570,954.29								
	Retail MWh include losses of 2.8%			,	\$ (33,549,711.81)									
01	I Cetali MWII ilicidde losses of 2.070													
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASE	TRANSAC	TIONS											
68	NET MISO (Rev-Cost and MWh)								\$	4,435,397.34			\$	-
69	Less: Fuel Cost								233,829 \$	4,312,638.63				
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								\$	3,167.69			\$	-
75														
76	TOTAL ASSET or NON ASSET BASED WHOLESALE		·						\$	119,591.02			\$	-

	Detail of Southwes		ool (S	Otter Tail Power PP) Charges by 2020 includes	y Charge Grou		Current Month - Sys	stem	
		(A)		(B)	(C)		(D) Retail	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	R	Retail Debits	Retail Credit	s	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	\$	535.67	\$ -		\$ (13.68) \$	521.99	-
4	RT Non-Asset Energy Amount	555.00	\$	-	\$ -		\$ - \$	-	-
5	TOTAL		\$	535.67	\$ -		\$ (13.68) \$	521.99	-
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$ -		\$ - \$	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	18.04	\$ -		\$ (0.30) \$	17.74	=
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$ -		\$ - \$		-
9	TOTAL		\$	18.04	\$ -		\$ (0.30) \$	17.74	-
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	3.07		28)			-
11	TOTAL		\$	3.07	\$ (0.	28)	\$ (0.34) \$	2.45	-
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$	1.04	\$ -		\$ (0.09) \$	0.95	=
13	DA Regulation-Up Distribution Amount	555.05	\$	1.83	\$ -		\$ (0.20) \$	1.63	=
14	DA Spinning Reserve Distribution Amount	555.06	\$	2.73	\$ -		\$ (0.02) \$	2.71	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	-	\$ -		\$ - \$		-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$ -		\$ - \$		-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$ (10,634.	75)	\$ 0.94 \$	(10,633.81)	-
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	\$		\$ (61,553.	,	\$ - \$	(,)	-
24	RT Pseudo Tie Loss Amount	555.21	\$	5,499.06	\$ (15,857.		\$ - \$	(-,,	-
25	Miscellaneous Amount	555.23	\$	-	\$ -		\$ (59.87) \$, ,	-
26	ARR Closeout Yearly Amount	555.26	\$		\$ -		\$ - \$		-
27	TOTAL		\$	48,616.26	\$ (88,045.	60)	\$ (59.24) \$	(39,488.58)	-
	Grandfathered Charge Types								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	1.16			\$ (0.10) \$		-
29 30	DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	555.22	\$ \$	-	\$ - \$ -		\$ - \$ \$ - \$		-
31	TOTAL	555.27	\$ \$	1.16			\$ - \$ \$ (0.10) \$		-
31	TOTAL		Ψ	1.10	ψ (0.	04)	φ (0.10) φ	1.02	
32	TOTAL SPP CHARGES		\$	49,174.20	\$ (88,045.	92)	\$ (73.66) \$	(38,945.38)	-
33 34	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000				\$ (38,945.	38)			
35	January 2020 covers time period of 12/26/2019 - 01/23/2020						**	(F) and (G) increase	ed for losses of 2.8%
	•			Net Retail	Net SPP KW	Н			
36	SPP Book Totals		\$	(38,871.72)	-				
37	Adjustments		\$	(73.66)	_				
38	Total SPP		\$	(38,945.38)	-				
				· · · · · · · · · · · · · · · · · · ·					

	Detail of Southwes		ool (S				Current Month - Sy	/stem	
		(A)		(B)	(C)		(D) Retail	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	F	Retail Debits	Retail Credits	s	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	\$	375.80	\$ -		\$ 1.62	\$ 377.42	17 -
4	RT Non-Asset Energy Amount	555.00	\$	-	\$ -		\$ -	\$ -	
5	TOTAL		\$	375.80	\$ -		\$ 1.62	\$ 377.42	17 -
	RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$ -		•	\$ -	
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	12.57	\$ -		\$ (2.70)	\$ 9.87	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$		\$ -			\$ -	<u> </u>
9	TOTAL		\$	12.57	\$ -		\$ (2.70)	\$ 9.87	
	Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	2.03		21)			
11	TOTAL		\$	2.03	\$ (0.:	21)	\$ (0.87)	\$ 0.95	
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$	0.49	\$ -		\$ (0.03)		
13	DA Regulation-Up Distribution Amount	555.05	\$	0.91	\$ -		Y	\$ 0.91	
14	DA Spinning Reserve Distribution Amount	555.06	\$	2.59	\$ -		\$ 0.02		
15 16	DA Supplemental Reserve Distribution Amount	555.07 555.08	\$	-	\$ - \$ -		•	\$ - \$ -	
17	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	555.06	\$ \$	-	\$ (8,705.8		\$ - \$ (27.24)	T	
18	RT Regulation-Down Distribution Amount	555.11	э \$	-	\$ (6,705.6	,	. ,	\$ (6,733.04) \$ -	
19	RT Regulation Non-Performance Distribution Amount	555.12	э \$	-	\$ -		7	\$ - \$ -	
20	RT Regulation-Up Distribution Amount	555.14	\$	_	\$ -		•	\$ -	
21	RT Spinning Reserve Distribution Amount	555.16	\$	_	\$ -			\$ -	
22	RT Supplemental Reserve Distribution Amount	555.17	\$	_	\$ -		•	\$ -	
23	RT Pseudo Tie Congestion Amount	555.20	\$	2,229.72		90)	\$ -	\$ (33,459.18)	
24	RT Pseudo Tie Loss Amount	555.21	\$	5,742.66	\$ (14,441.	53) :	\$ -	\$ (8,698.87)	
25	Miscellaneous Amount	555.23	\$	· -	\$ -			\$ -	
26	ARR Closeout Yearly Amount	555.26	\$	-	\$ -			\$ -	
27	TOTAL		\$	7,976.37	\$ (58,836.2	23)	\$ (27.25)	\$ (50,887.11)	
	Grandfathered Charge Types								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	1.10	\$ -			\$ 1.20	
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ -		7	\$ -	
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$ -		Ψ	\$ -	<u> </u>
31	TOTAL		\$	1.10	\$ -		\$ 0.10	\$ 1.20	
32	TOTAL SPP CHARGES		\$	8,367.87	\$ (58,836.	44)	\$ (29.10)	\$ (50,497.67)	17 -
33 34	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$ (50,497.	67)	*	* (E) and (G) incress	17,445 ed for losses of 2.8%
35	February 2020 covers time period of 01/24/2020 - 02/20/2020			Net Retail	Net SPP KWI	н		(i) and (G) moleas	CG 101 1033C3 01 2.0 /0
36	SPP Book Totals		\$	(50,468.57)	17,4	45			
37	Adjustments		\$	(29.10)	-				
38	Total SPP		\$	(50,497.67)	17,4	45			

	2.7.62			Otter Tail Power						
	Detail of Southwes			2020 includes a			Current Month - S	ystem		
		(A)		(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	F	Retail Debits	Reta	il 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	\$	11,360.87	\$	(2.43)	\$ (0.62)	\$ 11,357.82	896	(2)
4	RT Non-Asset Energy Amount	555.00	\$	· -	\$	` - ´	\$ -	\$ -	-	`-
5	TOTAL		\$	11,360.87	\$	(2.43)	\$ (0.62)	\$ 11,357.82	896	(2)
	RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$	- :	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	276.46	\$	- :	\$ 0.67	\$ 277.13	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$			\$ -	-	-
9	TOTAL		\$	276.46	\$	-	\$ 0.67	\$ 277.13	-	-
	Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	21.94	\$	(20.94)	\$ 0.10	\$ 1.10	-	-
11	TOTAL		\$	21.94	\$	(20.94)	\$ 0.10	\$ 1.10	-	-
	Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$	73.87				\$ 73.87	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$	91.55			\$ (0.01)		-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$	91.31				\$ 91.32	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	6.11	\$			\$ 6.11	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$		•	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$,		\$ (8,237.39)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$	(4.05)		\$ (4.05)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$	(1.14)		\$ (1.14)	-	-
20 21	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	555.14	\$	0.07	\$	(2.11)		\$ (2.04) \$ (0.01)	-	-
22	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	555.16 555.17	\$ \$	-	\$ \$	(0.01)		\$ (0.01) \$ -	-	-
23	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	555.20	Ф \$	15,486.36		(99,364.65)	Ÿ	\$ (83,878.29)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$			(14,767.94)		\$ (11,105.26)	-	-
25	Miscellaneous Amount	555.23	\$	5,002.00	\$		\$ 19.12			
26	ARR Closeout Yearly Amount	555.26	\$		\$			\$ 19.12		
27	TOTAL	000.20	\$	19,411.95		122,395.70)		\$ (102,946.22)	-	_
	Grandfathered Charge Types		Ť	,	, ,	,,	,	+ (10=,010==)		
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	36.74	\$	-	\$ 0.07	\$ 36.81	-	
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$			\$ -	-	_
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	_	\$			\$ -	-	_
31	TOTAL		\$	36.74	\$			\$ 36.81	-	-
32	TOTAL SPP CHARGES		\$	31,107.96	\$ (122,419.07)	\$ 37.75	\$ (91,273.36)	896	(2)
33	Net SPP Charges for Retail = (B) + (C) + (D)				\$	(91,273.36)				
34	Net KWH for retail = ((F) + (G)) * 1,000				*	(- ,=)	,	** (E) and (C) increas	sed for losses of 2.8%	893,579
35	March 2020 covers time period of 02/21/2020 - 03/23/2020			Not Dotall	NI-44	ODD KWII		(i) and (G) increas	500 101 103303 UI 2.0 /0	
	ODD Deeds Tedele		_	Net Retail		SPP KWH				
36	SPP Book Totals		\$	(91,311.11)		893,579				
37	Adjustments		\$	37.75						
38	Total SPP		\$	(91,273.36)		893,579				

	Detail of Southwes		ool (S	Otter Tail Power SPP) Charges b 2020 includes a	y Cha	arge Group for	Current Month - S	ystem		
		(A)		(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	F	Retail Debits	Re	tail Credits	Adjustments	Net Retail	MWH for Retail	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss									
1	DA Asset Energy Amount	555.19	\$	-	\$	- 5	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$	-	\$	- 5	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$	301.10	\$	(9.05)	\$ 178.05	\$ 470.10	27	(3)
4	RT Non-Asset Energy Amount	555.00	\$	-	\$	- 3	\$ -	\$ -	-	-
5	TOTAL		\$	301.10	\$	(9.05)	\$ 178.05	\$ 470.10	27	(3)
	RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$	- (\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	15.06	\$			\$ 30.42	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$	- (\$ -	-	-
9	TOTAL		\$	15.06	\$	- 9	\$ 15.36	\$ 30.42	-	-
	Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	2.17		(1.23) §			-	-
11	TOTAL		\$	2.17	\$	(1.23)	\$ 6.49	\$ 7.43	-	-
	Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$	2.71	\$			\$ 3.85	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$		\$	- 5			-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$			- 9			-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	0.03	\$	- 9			-	-
16 17	RT Contingency Reserve Deployment Failure Amount	555.08	\$	- 44.00	\$	- (\$ - (5.400.57)	-	-
18	RT Over-Collected Losses Distribution Amount	555.11	\$	14.82	\$ \$	(5,067.61)			-	- 1
19	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	555.12 555.13	\$ \$	-	\$ \$	- 9	()		-	- 1
20	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	555.14	Ф \$	-	Ф \$	- 3			-	- 1
21	RT Spinning Reserve Distribution Amount	555.16	\$	_	э \$	- 3		\$ (0.06) \$ -	-	- []
22	RT Supplemental Reserve Distribution Amount	555.17	\$	_	\$			\$ -	_	
23	RT Pseudo Tie Congestion Amount	555.20	\$	7,626.52		(98,577.45)	T	\$ (90,950.93)	_	_
24	RT Pseudo Tie Loss Amount	555.21	\$	955.78	\$	(17,701.15)		\$ (16,745.37)	_	_
25	Miscellaneous Amount	555.23	\$	-	\$	- 5		\$ -	-	-
26	ARR Closeout Yearly Amount	555.26	\$	_	\$		•	\$ -	-	-
27	TOTAL		\$	8,607.40	\$	(121,346.21)			-	-
	Grandfathered Charge Types						<u> </u>			
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	1.72	\$	(0.02) \$	\$ 0.58	\$ 2.28	-	
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$	`- ´ §	\$ (0.04)	\$ (0.04)	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$	- 9	Ψ	\$ -	-	-
31	TOTAL		\$	1.72	\$	(0.02)	\$ 0.54	\$ 2.24	-	-
32	TOTAL SPP CHARGES		\$	8,927.45	\$	(121,356.51)	\$ 91.25	\$ (112,337.81)	27	(3)
33 34 35	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000 April 2020 covers time period of 03/24/2020 - 04/22/2020		Ψ	0,921.43	\$	(112,337.81)		. , ,	_	24,209
	•			Net Retail	Ne	t SPP KWH				
36	SPP Book Totals		\$	(112,429.06)		24,209				
37	Adjustments		\$	91.25		-				
38	Total SPP		\$	(112,337.81)		24,209				

				(020 includes a			Current Month - S	ystem		
		(A)		(B)	(C))	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	F	Retail Debits	Retail C	redits	Adjustments	Net Retail	MWH for Retail	
No. Da	ay Ahead & Real Time Asset & Non Asset Energy & Loss									
1	DA Asset Energy Amount	555.19	\$	-	\$	-	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$	-	\$	-	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$	287.08	\$	(40.45)	\$ 2.35	\$ 248.98	27	(5)
4	RT Non-Asset Energy Amount	555.00	\$	-	\$	- 1	\$ -	\$ -	-	-
5	TOTAL		\$	287.08	\$	(40.45)	\$ 2.35	\$ 248.98	27	(5)
R	SG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$	-	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	16.94	\$	- :	\$ 0.19	\$ 17.13	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$		\$ -	\$ -	-	-
9	TOTAL		\$	16.94	\$	-	\$ 0.19	\$ 17.13	-	-
	evenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	2.32		(1.44)		\$ 1.40	-	-
11	TOTAL		\$	2.32	\$	(1.44)	\$ 0.52	\$ 1.40	-	-
Ot	ther Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$	3.20	\$		\$ (0.06)		-	-
13	DA Regulation-Up Distribution Amount	555.05	\$		\$		\$ 0.03		-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$			\$ 5.65	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	0.04	\$		•	\$ 0.04	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$		\$ -	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	93.13		3,930.67)	\$ (124.14)	*	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$	-	\$ -	\$ -	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$	(0.01)		\$ (0.01)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$	-	\$	(0.05)		\$ (0.05)	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$	-	\$		\$ -	\$ -	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$		\$ -	\$ -	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$,	\$ -	\$ (95,533.40)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$,352.37)		\$ (17,339.10)	-	-
25	Miscellaneous Amount	555.23	\$	-	\$		\$ -	\$ -	-	-
26	ARR Closeout Yearly Amount	555.26	\$		\$		•	\$ -	-	
27	TOTAL		\$	757.42	\$ (117	,454.80)	\$ (124.17)	\$ (116,821.55)	-	
	randfathered Charge Types									
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	2.89	\$		\$ (0.03)		-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$			\$ -	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL	555.27	\$ \$	2.89	\$ \$		\$ - \$ (0.03)	\$ - \$ 2.86	-	
31	TOTAL		Þ	2.89	Þ	-	\$ (0.03)	\$ 2.86	-	
32	TOTAL SPP CHARGES		\$	1,066.65	\$ (117	,496.69)	\$ (121.14)	\$ (116,551.18)	27	(5)
33 34	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$ (116	5,551.18)	,	** (F) and (G) increase		21,896
35	May 2020 covers time period of 04/23/2020 - 05/21/2020			Net Retail	Net SPF	P KWH		(i) and (G) inclease	A 101 105565 01 2.0 /0	
36	SPP Book Totals		\$	(116,430.04)		21,896				
37	Adjustments		\$	(121.14)		-				
38	Total SPP		\$	(116,551.18)		21,896				
				· · · · · ·						$\overline{}$

	Detail of Southwes	4 Daws P		Otter Tail Power			Current Month C	rata m		
	Detail of Southwes			2020 includes a			Current Month - Sy	ystem		
		(A)		(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with	,
	Charge Type Description	Acct	F	Retail Debits	Ret	ail 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	\$	2,771.57		(20.19)	\$ 1.85	\$ 2,753.23	211	(5)
4	RT Non-Asset Energy Amount	555.00	\$	· -	\$	` - ´ ;	\$ -	\$ -	-	`-
5	TOTAL		\$	2,771.57	\$	(20.19)	\$ 1.85	\$ 2,753.23	211	(5)
F	RSG & Make Whole Payments									
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$	- :	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	91.56	\$	- :	\$ 3.94	\$ 95.50	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	\$		7	\$ -	-	-
9	TOTAL		\$	91.56	\$	- :	\$ 3.94	\$ 95.50	-	-
F	Revenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	12.33	\$	(2.40)	\$ (1.04)		-	-
11	TOTAL		\$	12.33	\$	(2.40)	\$ (1.04)	\$ 8.89	-	-
C	Other Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$		\$		\$ (0.06)		-	-
13	DA Regulation-Up Distribution Amount	555.05	\$	26.09			\$ (0.13)		-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$	29.72			\$ (0.04)		-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	10.18	\$			\$ 10.18	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$		\$	(0.76)		\$ (0.76)	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	26.74	\$	(4,319.11)	. ,		-	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$	(1.87)		\$ (1.87)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$	(0.80)		\$ (0.80)	-	-
20 21	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	555.14	\$	-	\$ \$	(1.78)		\$ (1.78) \$ (0.04)	-	-
22	RT Supplemental Reserve Distribution Amount	555.16 555.17	\$ \$	-	\$ \$	(0.04) (0.13)		\$ (0.04) \$ (0.13)	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$	4,800.08	э \$	(85,422.25)		\$ (80,622.17)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$	48.61		(17,885.46)		\$ (17.836.85)	-	-
25	Miscellaneous Amount	555.23	\$	40.01	\$		\$ (33.04)			
26	ARR Closeout Yearly Amount	555.26	\$		\$	(73.034.82)		\$ (73.034.82)		
27	TOTAL	000.20	\$	4,955.85	\$	(180,667.02)			-	
	Grandfathered Charge Types		Ť	.,	Ť	(100,001102)	+ (100101)	+ (,)		
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	16.33	\$	(0.01)	\$ 0.03	\$ 16.35	-	
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$	` ,	\$ 0.04		_	_
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	_	\$			\$ -	_	-
31	TOTAL		\$	16.33	\$	(0.01)		\$ 16.39	-	-
32	TOTAL SPP CHARGES		\$	7,847.64	\$	(180,689.62)	\$ (183.69)	\$ (173,025.67)	211	(5)
			,	,-	·	,,,	, ()	. (:,:::,		(-
33	Net SPP Charges for Retail = (B) + (C) + (D)				\$	(173,025.67)				
34	Net KWH for retail = ((F) + (G)) * 1,000					, , ,	,	* (F) and (G) increas	sed for losses of 2.8%	206,525
35	June 2020 covers time period of 05/22/2020 - 06/22/2020			Net Retail	Net	SPP KWH		(.) and (O) morea	.5. 155555 51 2.5 /0	
36	SPP Book Totals		\$	(172,841.98)	1400	206.525				
37	Adjustments		э \$	(183.69)		200,323				
38	Total SPP		\$	(173,025.67)		206,525				
33			Ψ	(110,020.01)		200,020				

Detail of Southwe	st Power P		Otter Tail Power		r Current Month - Sy	stem	
Botan of oculino				ny adjustments	· current month	5.0	
	(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with
Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail
Day Ahead & Real Time Asset & Non Asset Energy & Loss	Acci		tetan Debits	retail Orealts	Aujustilients	140t Itetan	WWWII TOT INGIAII
DA Asset Energy Amount	555.19	\$	_	\$ -	\$ - :	-	-
DA Non-asset Energy Amount	555.03	\$		\$ -		-	_
RT Asset Energy Amount	555.09	\$	_	\$ -	\$ (164.41)	•	45
RT Non-Asset Energy Amount	555.00	\$	743.01	\$ -	\$ (104.41)	379.20	45
TOTAL	333.00	\$	743.61	\$ -	\$ (164.41)	579.20	45
RSG & Make Whole Payments		Ť	140.01	<u> </u>	(104.41)	070.20	
DA Make-Whole-Payment Distribution Amount	555.02	\$		\$ -	\$ - :	-	
RT Make-Whole-Payment Distribution Amount	555.10	\$		\$ -	\$ (5.47)	•	_
RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	45.50	\$ -	\$ (3.47)		-
TOTAL	333.10	\$	45.50	\$ -	\$ (5.47)		-
Revenue Neutrality Uplift		Ť	40.00	<u> </u>	ψ (0.41)	7 40.00	
RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	6.70	\$ -	\$ (0.15)	6.55	
TOTAL	000.10	\$ \$	6.70		\$ (0.15) \$		<u> </u>
Other Charges		Ψ	0.70	<u> </u>	ψ (0.15)	0.00	-
DA Regulation-Down Distribution Amount	555.04	\$	1.18	e	\$ (1.13)	0.05	
DA Regulation-Up Distribution Amount	555.05	\$	3.82		\$ (1.13) \$		-
DA Spinning Reserve Distribution Amount	555.06	\$		\$ -	\$ (1.80)		-
				\$ -		•	-
DA Supplemental Reserve Distribution Amount	555.07	\$			\$ (0.68)		-
RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$ -	\$ - 5	•	-
RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$ (6,214.99)			-
RT Regulation-Down Distribution Amount	555.12	\$	-	\$ (0.09)		. ,	-
RT Regulation Non-Performance Distribution Amount	555.13	\$. -	\$ (0.02)			-
RT Regulation-Up Distribution Amount	555.14	\$	0.01	\$ (0.03)			-
RT Spinning Reserve Distribution Amount	555.16	\$	-	\$ -		-	-
RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$ -	•	-	-
RT Pseudo Tie Congestion Amount	555.20	\$	4,934.09	\$ (71,963.10)	\$ - 5	(,,	-
RT Pseudo Tie Loss Amount	555.21	\$	-	\$ (25,415.92)		(25,415.92)	-
Miscellaneous Amount	555.23	\$	-	\$ -	\$ (1.43)	(1.43)	-
ARR Closeout Yearly Amount	555.26	\$	-	\$ -	\$ - 9	-	-
RT Demand Reduction Distribution Amount	555.28	\$	-	\$ -	\$ 0.05		-
TOTAL		\$	4,943.77	\$ (103,594.15)	\$ (105.58)	(98,755.96)	-
Grandfathered Charge Types							
DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	1.78	\$ (0.01)	\$ (1.02)		-
DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ -	\$ - 5		-
DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$ -		-	-
TOTAL		\$	1.78	\$ (0.01)	\$ (1.02)	0.75	=
TOTAL SPP CHARGES		\$	5,741.36	\$ (103,594.16)	\$ (276.63)	(98,129.43)	45
Net SPP Charges for Retail = (B) + (C) + (D)				\$ (98,129.43)			
Net KWH for retail = ((F) + (G)) * 1,000				(30,123.43)	**	(F) and (G) increase	d for losses of 2.8%
July 2020 covers time period of 06/23/2020 - 07/23/2020			Net Retail	Net SPP KWH			
SPP Book Totals		\$	(97,852.80)	45,201	<u> </u>		
Adjustments		\$	(276.63)	-			
Total SPP		\$	(98,129.43)	45.201			

Detail of Southwes	t Power Po							
		ool (S	PP) Charges b	y Ch	arge Group for	Current Month - Sy	stem	
	Au	gust	2020 includes	any	adjustments	-		
	(A)		(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with
Charge Type Description	Acct	R	etail Dehits	R	etail Credits		Net Retail	MWH for Retail
	Acci		tetan Debits		etan Oreans	Aujustinents	Net Netali	WWWT TOT Retail
•	555 10	\$	_	\$	_	¢ _ ¢		
			_					
			1 926 21					80
			1,020.21					-
	000.00		1.926.21	_				80
		_	1,020121	Ť		+ (10110)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
•	555.02	\$		\$		\$ - 9		
			160 94					_
			-					_
TOTAL	3000	\$	160.94	\$				-
		Ť		Ť		. (2.55)		
, ,	555 15	\$	1 10	\$	(1 13)	\$ (0.31)	(0.34)	
	000.10							-
		Ť		Ť	()	* (0.0.) ·	(0.0.)	
· · · · · · · · · · · · · · · · · · ·	555.04	\$	2.60	\$	-	\$ (0.40) 9	2 20	
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			_					_
			2.430.55					-
								_
Miscellaneous Amount	555.23	\$	-	\$,			_
ARR Closeout Yearly Amount	555.26	\$	-	\$			-	-
RT Demand Reduction Distribution Amount	555.28	\$	-	\$	-	\$ - 5	-	-
TOTAL		\$	2,518.31	\$	(64,045.53)	\$ (21.23)	(61,548.45)	-
randfathered Charge Types					· · · · · ·			
DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	2.64	\$	-	\$ (0.13)	2.51	
DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$	-	\$ - '	-	-
DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$	-	\$ - 9	-	-
TOTAL		\$	2.64	\$	-	\$ (0.13)	2.51	-
TOTAL SPP CHARGES		\$	4,609.20	\$	(64,046.66)	\$ (41.53)	(59,478.99)	80
Net SPP Charges for Retail = $(B) + (C) + (D)$				\$	(59,478.99)			
Net KWH for retail = $((F) + (G)) * 1,000$							(F) 1(C):	80,
August 2020 covers time period of 07/24/2020 - 08/23/2020						**	(F) and (G) increase	d for losses of 2.8%
•			Net Retail	N	et SPP KWH			
SPP Book Totals		\$	(59,437.46)		80,071			
Adjustments		\$	(41.53)					
Total SPP		\$	(59,478.99)		80,071			
	Revenue Neutrality Uplift RT Revenue Neutrality Uplift Distribution Amount TOTAL tither Charges DA Regulation-Down Distribution Amount DA Segulation-Up Distribution Amount DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount RT Contingency Reserve Deployment Failure Amount RT Contingency Reserve Deployment Failure Amount RT Contingency Reserve Deployment Failure Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Up Distribution Amount RT Regulation-Up Distribution Amount RT Supplemental Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount Miscellaneous Amount ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount TOTAL Irrandfathered Charge Types DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G))* 1,000 August 2020 covers time period of 07/24/2020 - 08/23/2020 SPP Book Totals Adjustments	DA Asset Energy Amount 555.19 DA Non-asset Energy Amount 555.03 RT Asset Energy Amount 555.09 RT Non-Asset Energy Amount 555.00 RT Non-Asset Energy Amount 555.00 RT Make-Whole-Payment Distribution Amount 555.02 RT Make-Whole-Payment Distribution Amount 555.10 RT Revenue Sufficiency Guarantee Distribution Amount 555.18 TOTAL Intervenue Neutrality Uplift RT Revenue Neutrality Uplift Distribution Amount 555.15 TOTAL Intervenue Neutrality Uplift Distribution Amount 555.05 DA Regulation-Down Distribution Amount 555.06 DA Spinning Reserve Distribution Amount 555.06 DA Supplemental Reserve Distribution Amount 555.06 DA Supplemental Reserve Distribution Amount 555.07 RT Contingency Reserve Deployment Failure Amount 555.07 RT Over-Collected Losses Distribution Amount 555.11 RT Regulation-Down Distribution Amount 555.12 RT Regulation-Up Distribution Amount 555.12 RT Regulation-Up Distribution Amount 555.14 RT Spinning Reserve Distribution Amount 555.14 RT Spinning Reserve Distribution Amount 555.14 RT Spinning Reserve Distribution Amount 555.14 RT Spinning Reserve Distribution Amount 555.14 RT Spinning Reserve Distribution Amount 555.14 RT Spinning Reserve Distribution Amount 555.14 RT Spendo Tie Loss Amount 555.16 RT Pseudo Tie Loss Amount 555.20 RT Pseudo Tie Loss Amount 555.21 MRC Closeout Yearly Amount 555.22 RT Demand Reduction Distribution Amount 555.21 MGFA Carve Out Distribution Deployment Monthly Amount 555.26 RT Demand Reduction Distribution Deployment Monthly Amount 555.27 TOTAL TOTAL TOTAL **TOTAL SPP CHARGES** Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000 August 2020 covers time period of 07/24/2020 - 08/23/2020 **SPP Book Totals** Adjustments**	DA Asset Energy Amount	Asset Energy Amount	Name Section DA Asset Energy Amount	Actage Type Description Acct Retail Debits Retail Credits Adjustments ya Ahead & Real Time Asset Energy Amount 555.19 \$	Charge Type Description Section	
			(Otter Tail Power	r Cor	mnany		
--------	--	------------	-----------------	------------------------	-------	---------------	-------------------------	---------
	Detail of Southwes	t Power Po					Current Month - Sy	vste
				er 2020 include				,
		(A)		(B)		(C)	(D) Retail	
	Charge Type Description	Acct		Retail Debits	P	etail Credits	Adjustments	
No F	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Acci		tetali Debits	176	stan Credits	Aujustilients	
1	DA Asset Energy Amount	555.19	\$		\$		\$ -	\$
2	DA Non-asset Energy Amount	555.03	\$	-	\$			φ \$
3	RT Asset Energy Amount	555.09	\$	23,170.42		(172.88)		
4	RT Non-Asset Energy Amount	555.00	\$	23,170.42	\$	` ,		φ \$
5	TOTAL	333.00	\$	23,170.42	\$		\$ (9.13)	
	RSG & Make Whole Payments		Ψ	23,170.42	Ţ	(172.00)	φ (3.13)	φ
	,	EEE 00	Φ.		ı.		•	r.
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	4 400 05	\$			\$
7 8	RT Make-Whole-Payment Distribution Amount	555.10	\$	1,423.25	\$			\$
9	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	\$ \$	1,423.25	\$		\$ - \$ 1.56	\$
-	7 - 7 - 7		ð	1,423.25	ð	-	a 1.56	Þ
	Revenue Neutrality Uplift				_	(11.1.11)		_
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	149.31		(14.44)		
11	TOTAL		\$	149.31	\$	(14.44)	\$ (0.34)	\$
	Other Charges							
12	DA Regulation-Down Distribution Amount	555.04	\$	59.31			\$ (0.03)	
13	DA Regulation-Up Distribution Amount	555.05	\$	122.72			\$ (0.19)	
14	DA Spinning Reserve Distribution Amount	555.06	\$	140.52	\$	-		\$
15	DA Supplemental Reserve Distribution Amount	555.07	\$	20.33	\$	-	\$ -	\$
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$	(0.03)	\$ -	\$
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$	(6,079.29)	\$ (1.33)	\$
18	RT Regulation-Down Distribution Amount	555.12	\$	0.08	\$	(2.84)	\$ -	\$
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$	(2.47)	\$ -	\$
20	RT Regulation-Up Distribution Amount	555.14	\$	-	\$	(6.29)		\$
21	RT Spinning Reserve Distribution Amount	555.16	\$	_	\$			\$
22	RT Supplemental Reserve Distribution Amount	555.17	\$	_	\$			\$
23	RT Pseudo Tie Congestion Amount	555.20	\$	1,930.68	\$			\$
24	RT Pseudo Tie Loss Amount	555.21	\$		\$	(17,190.44)		\$
25	Miscellaneous Amount	555.23	\$	0.01			\$ (1.19)	
26	ARR Closeout Yearly Amount	555.26	\$	0.01	\$			\$
27	RT Demand Reduction Distribution Amount	555.28	\$		\$		•	\$
28	TOTAL	333.20	\$	2,277.86	\$	(82,647.84)		
	Grandfathered Charge Types		Ψ	2,277.00	Ψ	(02,047.04)	ψ (Z./ -/)	Ψ
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	43.21	\$	(0.80)	\$ 0.01	¢.
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	45.21	\$	(0.59)		
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	φ \$	-	\$		\$ (0.04) \$ (24.52)	
32	TOTAL	333.21	\$	43.21	\$	(1.39)		
- 52	TOTAL		Ψ	40.21	Ψ	(1.55)	ψ (24.55)	Ψ
33	TOTAL SPP CHARGES		\$	27,064.05	\$	(82,836.55)	\$ (35.20)	\$
34	Net SPP Charges for Retail = (B) + (C) + (D)				\$	(55,807.70)		
35	Net KWH for retail = ((F) + (G)) * 1,000						*	* (F
36	September 2020 covers time period of 08/24/2020 - 09/22/2020			Net Retail	Ŋ.	et SPP KWH		,
37	SPP Book Totals		•		IN			
38			\$	(55,772.50) (35.20)		1,028,833		
	Adjustments		\$ \$	(35.20)		1,028,833		
39	Total SPP							

			0	Otter Tail Power	· Compar	ny				
	Detail of Southwes						Current Month - Sy	stem		
		Oc	tobe	r 2020 includes	any adju	ıstments				
		(A)		(B)	(0	C)	(D) Retail	(E)	(F) and (G Charge types	
	Charge Type Description	Acct	F	Retail Debits	Retail	Credits	Adjustments	Net Retail	MWH for R	
No. D	ay Ahead & Real Time Asset & Non Asset Energy & Loss						,			
1	DA Asset Energy Amount	555.19	\$	-	\$	-	\$ -	5 -		
2	DA Non-asset Energy Amount	555.03	\$	_	\$				_	_
3	RT Asset Energy Amount	555.09	\$	11,242.02		(170.55)			99 535	(43
4	RT Non-Asset Energy Amount	555.00	\$	-	\$,		B -	-	(
5	TOTAL		\$	11,242.02	\$	(170.55)	\$ (707.48)	10,363.9	9 535	(43
R	SG & Make Whole Payments					, ,	<u> </u>	<u> </u>		· ·
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$	-	\$ -	5 -	-	
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	817.13			\$ 31.79	\$ 848.9	92 -	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$		\$			-	-	-
9	TOTAL		\$	817.13	\$	-	\$ 31.79	\$ 848.9	92 -	-
R	evenue Neutrality Uplift									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	74.99	\$	(23.93)	\$ (4.98)	\$ 46.0)8 -	_
11	TOTAL		\$	74.99	\$	(23.93)	\$ (4.98)	\$ 46.0)8 -	-
0	ther Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$	47.32	\$	-	\$ (1.66)	\$ 45.6	66 -	-
13	DA Regulation-Up Distribution Amount	555.05	\$	70.32	\$	-	\$ (3.09)	67.2	- 23	-
14	DA Spinning Reserve Distribution Amount	555.06	\$	101.38	\$	-	\$ (2.97)	\$ 98.4	- 1	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	12.66	\$	-	\$ (0.59)	\$ 12.0)7 -	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$	-	\$ -	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$ ((4,923.53)	\$ (445.70)	\$ (5,369.2	23) -	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$	(0.40)	\$ 0.25	\$ (0.1	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$	(0.84)				-
20	RT Regulation-Up Distribution Amount	555.14	\$	0.46	\$	(0.42)	\$ 0.02	\$ 0.0		-
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$	(0.43)		\$ (0.4		-
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$		•	\$ -	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$			7,591.95)		(109,823.2		-
24	RT Pseudo Tie Loss Amount	555.21	\$			20,453.15)		(18,644.5		-
25	Miscellaneous Amount	555.23	\$		\$		\$ (0.55)		55) -	-
26	ARR Closeout Yearly Amount	555.26	\$		\$			-	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$		\$		Ψ	0.0		-
28	TOTAL		\$	9,809.55	\$ (14	2,970.72)	\$ (453.77)	(133,614.9	94) -	
	randfathered Charge Types					(2.22)				
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	21.37	\$	(0.60)	,			-
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$	(0.10)				-
31 32	DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL	555.27	\$ \$	21.37	\$ \$	(0.70)	7	5 - 5 19.2	- 23 -	
32	TOTAL		Ą	21.31	ð	(0.70)	φ (1.44)	p 19.2	-	-
33	TOTAL SPP CHARGES		\$	21,965.06	\$ (14	3,165.90)	\$ (1,135.88)	\$ (122,336.7	72) 535	(43
34	Net SPP Charges for Retail = (B) + (C) + (D)				\$ (12	2,336.72)				
35	Net KWH for retail = ((F) + (G)) * 1,000						*	* (F) and (G) in	creased for losses of 2.8%	491,312 6
36	October 2020 covers time period of 09/23/2020 - 10/22/2020							(. / a.i.a (o) iii		-
				Net Retail	Net SF	PP KWH				
37	SPP Book Totals		\$	(121,200.84)		491,312				
38	Adjustments Total SPP		\$	(1,135.88) (122,336.72)		491.312				
39			\$							

	Detail of Southwes	t Power P		Otter Tail Power			Current Month S	vet	om		
	Detail of Southwes			er 2020 include			Current Wonth - 3	ysu	em		
		(A)		(B)		(C)	(D) Retail		(E)	(F) and (G)**	_
	Charge Type Description	Acct		Retail Debits	Reta	il Credits	Adjustments		Net Retail	Charge types with MWH for Retail	•
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Acct		totali Dobito	Ttota	ii Greate	Aujustinonts		- Not rectain	mitti ioi itotan	
1	DA Asset Energy Amount	555.19	\$		\$		\$ -	\$			
2	DA Non-asset Energy Amount	555.03	\$	_	\$		\$ -	\$	_	_	
3	RT Asset Energy Amount	555.09	\$	7,767.49		(382.28)		-	6,955.03	402	(39
4	RT Non-Asset Energy Amount	555.00	\$	7,707.40	\$. ,	\$ (+00.10)	\$	0,000.00	-02	(00
5	TOTAL	000.00	\$	7,767.49	\$		\$ (430.18)	\$	6.955.03	402	(39
	RSG & Make Whole Payments		Ť	.,	Ť	(000)	+ ()	Ť	2,000.00		(
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$		\$ -	\$			
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	429.59	\$		\$ (33.55)		396.04	_	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	425.55	\$		\$ -	\$	-	_	
9	TOTAL	000.10	\$	429.59			\$ (33.55)		396.04	-	
-	Revenue Neutrality Uplift		Ť		<u> </u>		* (55.55)	Ť			
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	170.66	\$	(29.65)	\$ (2.43)	\$	138.58	-	
11	TOTAL	333.13	\$	170.66		(29.65)			138.58	-	
	Other Charges		Ψ	170.00	Ψ	(23.03)	ψ (2.43)	Ψ	100.00	-	
12	DA Regulation-Down Distribution Amount	555.04	\$	47.95	¢		\$ (1.96)	¢	45.99		
13	DA Regulation-Down Distribution Amount	555.05	\$		\$ \$		\$ (1.81)		86.93	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$		\$ (3.62)		97.73	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$		\$ (0.36)		9.71	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	10.07	\$		\$ (0.30) \$ -	\$	(0.20)	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-		(12,136.29)			(12,152.06)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$	(0.32)			(0.29)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$	(0.46)			(0.23)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$	-	\$	(1.74)			(2.17)	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$	-	\$	(0.52)			(0.42)	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$		\$ 0.10	\$	(0.42)	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$	38,489.60			\$ -	\$	(157,989.89)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$			(20,136.28)		\$	(19,587.33)	-	-
25	Miscellaneous Amount	555.23	\$	340.93	\$		\$ (0.79)		(0.79)	-	-
26	ARR Closeout Yearly Amount	555.26	\$		\$		\$ (0.79)	\$	(0.73)	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$	-	\$		\$ (0.01)		(0.01)	-	-
28	TOTAL	333.20	\$	39,286.66			\$ (24.39)		(189,493.03)		
	Grandfathered Charge Types		Ψ	33,200.00	Ψ (.	220,733.30)	ψ (24.55)	Ψ	(103,433.03)	-	
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	59.67	\$		\$ (1.01)	Φ.	58.66		
30	DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	59.67	\$ \$					-	-
31	DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$ \$	` ,	\$ 0.01 \$ -	\$	(0.28)	-	-
32	TOTAL	333.27	\$	59.67	\$	(0.29)	Ψ	Ψ	58.38		
52	TOTAL		Ψ	33.07	Ψ	(0.23)	ψ (1.00)	Ψ	30.30	-	
33	TOTAL SPP CHARGES		\$	47,714.07	\$ (229,167.52)	\$ (491.55)	\$	(181,945.00)	402	(39
34	Net SPP Charges for Retail = (B) + (C) + (D)				\$ (°	181,945.00)					
35	Net KWH for retail = ((F) + (G)) * 1,000				Ψ (.0.,040.00)	,	** /⊏	E) and (G) increases	d for losses of 2.8%	363,182
36	November 2020 covers time period of 10/23/2020 - 11/22/2020			Net Retail	Net 1	SPP KWH		(1	, and (O) moreaser	4 101 103303 OI 2.0 /0	
37	SPP Book Totals		\$	(181,453.45)		363,182					
38	Adjustments		\$	(491.55)		303, 102					
39	Total SPP		\$ \$	(181,945.00)		363,182					
S	ו טומו פרד		Ą	(101,545.00)		303,102					

	Detail of Couthwee	4 Dawer D		Otter Tail Power			Command Mandh C				
	Detail of Southwes			er 2020 include			Current Month - S	yst	tem		
		(A)		(B)		(C)	(D)		(E)	(F) and (G)**	
	Charge Type Description	Acct		Retail Debits	Pota	il Credits	Retail Adjustments		Net Retail	Charge types with MWH for Retail	
No	Day Ahead & Real Time Asset & Non Asset Energy & Loss	ACCI		Retail Debits	Reta	ii Credits	Aujustilients		Net Retail	IVIVA IOI Retali	
1	DA Asset Energy Amount	555.19	\$		\$		\$ -	\$			
2	DA Asset Energy Amount DA Non-asset Energy Amount	555.03	э \$	-	\$ \$		\$ - \$ -	\$	-	-	
3	RT Asset Energy Amount	555.09	\$	8,450.44		(181.16)		-	8,060.14	433	(26
4	RT Non-Asset Energy Amount	555.09	Ф \$	0,430.44	\$ \$, ,	\$ (209.14) \$ -	\$	0,000.14	433	(20
5	TOTAL	555.00	<u>\$</u>	8,450.44		(181.16)	Ψ	Ψ	8.060.14	433	(26
	RSG & Make Whole Payments		Ψ	0,430.44	<u> </u>	(101.10)	ψ (203.1 4)	Ť	0,000.14	400	(20
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$		\$ -	\$			
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	456.70	\$		\$ 12.22		468.92		
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	Ф \$	430.70	\$ \$		\$ 12.22 \$ -	\$	400.92	-	
9	TOTAL	333.10	\$	456.70			\$ 12.22		468.92	-	
-	Revenue Neutrality Uplift		Ψ	430.70	<u> </u>	-	Ψ 12.22	Ť	400.32	-	
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	82.01	¢	(45.43)	\$ 2.05	\$	38.63	-	
11	TOTAL	555.15	\$ \$	82.01		(45.43)			38.63	<u> </u>	
	Other Charges		Ψ	02.01	<u> </u>	(45.45)	φ <u>2.03</u>	Ť	30.03	•	
12	DA Regulation-Down Distribution Amount	555.04	\$	31.07	¢		\$ (1.35)	•	29.72		
13	DA Regulation-Down Distribution Amount	555.05	\$	75.65			\$ (1.33) \$ (1.72)		73.93	-	
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$		\$ (1.72) \$ (1.91)		53.84	-	
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$		\$ (0.25)		4.80	-	
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	3.03	\$		\$ (0.23) \$ -	\$	4.00	-	
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-			•	\$	(11,967.05)	-	
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$		\$ 70.29 \$ -	\$	(11,907.03)	-	
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	_	\$		•	\$	0.33	_	_
20	RT Regulation-Up Distribution Amount	555.14	\$		\$		\$ 0.55 \$ -	\$	-		
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$		\$ -	\$			
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$		\$ -	\$			
23	RT Pseudo Tie Congestion Amount	555.20	\$	114,199.34			\$ (2.20)		(61,614.87)	_	
24	RT Pseudo Tie Loss Amount	555.21	\$				\$ (1.14)		(16,605.18)	_	
25	Miscellaneous Amount	555.23	\$	0,000.00	\$,	\$ 19.51		19.51	_	
26	ARR Closeout Yearly Amount	555.26	\$	_	\$		\$ -	\$	-	_	
27	RT Demand Reduction Distribution Amount	555.28	\$	_	\$		\$ -	\$	_	_	
28	TOTAL	000.20	\$	120,274.91				\$	(90,004.97)	-	
	Grandfathered Charge Types		_	,	, ,	,		Ť	(,,		
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	39.72	\$	-	\$ (0.79)	\$	38.93		
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$	(0.01)			-	_	
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	_	\$		\$ -	\$	_	-	
32	TOTAL		\$	39.72	\$	(0.01)	\$ (0.78)	\$	38.93	-	
							` , ,	Ť			
33	TOTAL SPP CHARGES		\$	129,303.78	\$ (2	210,594.04)	\$ (108.09)	\$	(81,398.35)	433	(26
34	Net SPP Charges for Retail = (B) + (C) + (D)				\$	(81,398.35)					
35	Net KWH for retail = $((F) + (G)) * 1,000$				4	(01,330.33)		** /	F)1 (O) :		406,48°
36	December 2020 covers time period of 11/23/2020 - 12/24/2020							··· (I	F) and (G) increased	101 108Ses 01 2.8%	
				Net Retail		SPP KWH					
37	SPP Book Totals		\$	(81,290.26)		406,481					
38 39	Adjustments		\$	(108.09)		-					
	Total SPP		\$	(81,398.35)		406,481					

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group - Net Retail - System Year to Date 2020 includes any adjustments (Revenue) Expense

	Charge Type Description	Acct		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
No. [Day Ahead & Real Time Asset & Non Asset Energy & Loss															
1	DA Asset Energy Amount	555.19	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$ - 5	- \$	- 5	5 -	\$ -
2	DA Non-asset Energy Amount	555.03	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$ - 5	- \$	- 5	\$ -	\$ -
3	RT Asset Energy Amount	555.09	\$	521.99 \$	377.42 \$	11,357.82 \$	470.10 \$	248.98 \$	2,753.23 \$	579.20 \$	1,906.73	\$ 22,988.41	10,363.99 \$	6,955.03	\$ 8,060.14	\$ 66,583.04
4	RT Non-Asset Energy Amount	555.00	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-	\$ - 5	- \$	- 5	\$ -	\$ -
5	TOTAL		\$	521.99 \$	377.42 \$	11,357.82 \$	470.10 \$	248.98 \$	2,753.23 \$	579.20 \$	1,906.73	\$ 22,988.41	10,363.99 \$	6,955.03	\$ 8,060.14	\$ 66,583.04
F	RSG & Make Whole Payments															
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- :	\$ - 5	- \$	- :	\$ -	\$ -
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	17.74 \$	9.87 \$	277.13 \$	30.42 \$	17.13 \$	95.50 \$	40.03 \$	160.56	\$ 1,424.81	848.92 \$	396.04	\$ 468.92	\$ 3,787.07
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	- \$		- \$	- \$	- \$	- \$		- 1	\$ - 5	- \$	- :		\$ -
9	TOTAL		\$	17.74 \$	9.87 \$	277.13 \$	30.42 \$	17.13 \$	95.50 \$	40.03 \$	160.56	\$ 1,424.81	848.92 \$	396.04	\$ 468.92	\$ 3,787.07
F	Revenue Neutrality Uplift															
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	2.45 \$		1.10 \$	7.43 \$	1.40 \$	8.89 \$	6.55 \$	(0.34)			138.58		
11	TOTAL		\$	2.45 \$	0.95 \$	1.10 \$	7.43 \$	1.40 \$	8.89 \$	6.55 \$	(0.34)	\$ 134.53	46.08 \$	138.58	\$ 38.63	\$ 386.25
(Other Charges															
12	DA Regulation-Down Distribution Amount	555.04	\$	0.95 \$		73.87 \$	3.85 \$	3.14 \$	14.37 \$	0.05 \$						
13	DA Regulation-Up Distribution Amount	555.05	\$	1.63 \$	0.91 \$	91.54 \$	4.48 \$	3.86 \$	25.96 \$	1.85 \$	8.32	\$ 122.53	67.23 \$	86.93	\$ 73.93	
14	DA Spinning Reserve Distribution Amount	555.06	\$	2.71 \$	2.61 \$	91.32 \$	6.53 \$	5.65 \$	29.68 \$	2.42 \$	13.52			97.73	\$ 53.84	
15	DA Supplemental Reserve Distribution Amount	555.07	\$	- \$	- \$	6.11 \$	0.16 \$	0.04 \$	10.18 \$	(0.23) \$	2.20	\$ 20.33	12.07 \$	9.71	\$ 4.80	\$ 65.37
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	- \$	- \$	- \$	- \$	- \$	(0.76) \$	- \$	-	\$ (0.03)	- \$	(0.20)	\$ -	\$ (0.99)
17	RT Over-Collected Losses Distribution Amount	555.11	\$	(10,633.81) \$	(8,733.04) \$	(8,237.39) \$	(5,166.57) \$	(3,961.68) \$	(4,447.61) \$	(6,313.66) \$	(5,609.15)	\$ (6,080.62) \$	(5,369.23) \$	(12,152.06)	\$ (11,967.05)	\$ (88,671.87)
18	RT Regulation-Down Distribution Amount	555.12	\$	- \$	- \$	(4.05) \$	(0.01) \$	- \$	(1.87) \$	(0.07) \$	(0.19)	\$ (2.76) \$	(0.15) \$	(0.29)	\$ -	\$ (9.39)
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	- \$	- \$	(1.14) \$	(0.06) \$	(0.01) \$	(0.80) \$	(0.07) \$	(0.21)	\$ (2.47) \$	(0.32) \$			
20	RT Regulation-Up Distribution Amount	555.14	\$	- \$	- \$	(2.04) \$	(0.08) \$	(0.05) \$	(1.78) \$	0.06 \$	0.01	\$ (6.29) \$	0.06 \$	(2.17)	\$ -	\$ (12.28)
21	RT Spinning Reserve Distribution Amount	555.16	\$	- \$	- \$	(0.01) \$	- \$	- \$	(0.04) \$	- \$	-	\$ - 9	(0.43) \$	(0.42)	\$ -	\$ (0.90)
22	RT Supplemental Reserve Distribution Amount	555.17	\$	- \$	- \$	- \$	- \$	- \$	(0.13) \$	- \$		\$ - 5	- \$	- :	Ÿ	\$ (0.13)
23	RT Pseudo Tie Congestion Amount	555.20	\$	(18,442.21) \$		(83,878.29) \$	(90,950.93) \$	(95,533.40) \$	(80,622.17) \$	(67,029.01) \$						
24	RT Pseudo Tie Loss Amount	555.21	\$	(10,357.98) \$		(11,105.26) \$	(16,745.37) \$	(17,339.10) \$	(17,836.85) \$	(25,415.92) \$						
25	Miscellaneous Amount	555.23	\$	(59.87) \$	- \$	19.12 \$	- \$	- \$	(33.04) \$	(1.43) \$	0.82	\$ (1.18) \$		(0.79)	\$ 19.51	
20	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	555.26 555.28	ą.	- \$	- 3	- \$	- 3	- \$	(73,034.82) \$	- \$ 0.05 \$		\$ - 3 \$ - 3	5 - \$ 5 0.04 \$	(0.01)		\$ (73,034.82) \$ 0.08
28	TOTAL	000.20	\$	(39.488.58) \$	(50 887 11) \$	(102 946 22) \$	(112,848.00) \$	Ÿ	Ψ		(61,548.45)	\$ (80.372.72)	(133,614.94) \$			\$ (1.252.681.21)
	Grandfathered Charge Types		Ť	(00,100.00) \$	(00,001111) \$	(102,010.22) \$	(112,010.00)	(110,021.00) \$	(110,000.00) \$	(00,100.00) \$	(01,010.10)	(00,0.22)	(100,014,04) \$	(100,100.00)	(00,00 1.01)	V (1,202,001.21)
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	1.02 \$	1.20 \$	36.81 \$	2.28 \$	2.86 \$	16.35 \$	0.75 \$	2.51	\$ 42.42	19.42 \$	58.66	\$ 38.93	\$ 223.21
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	- \$	- \$	- \$	(0.04) \$	- \$	0.04 \$	- \$	-			(0.28)	\$ -	\$ (1.10)
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	- \$		- \$	- \$	- \$	- \$	- \$	-	\$ (24.52) \$		- :		\$ (24.52)
32	TOTAL		\$	1.02 \$	1.20 \$	36.81 \$	2.24 \$	2.86 \$	16.39 \$	0.75 \$	2.51	\$ 17.27	19.23 \$	58.38	\$ 38.93	\$ 197.59
33	TOTAL SPP CHARGES - Energy Adjustment Rider		\$	(38,945.38) \$	(50,497.67) \$	(91,273.36) \$	(112,337.81) \$	(116,551.18) \$	(173,025.67) \$	(98,129.43) \$	(59,478.99)	\$ (55,807.70)	(122,336.72) \$	(181,945.00)	\$ (81,398.35)	\$ (1,181,727.26)

OTTER TAIL POWER COMPANY GENERATION MAINTENANCE EXPENSE

		Test Year ¹ 2016	Actual 2016	Actual 2017	Actual 2018	Actual 2019	Actual 2020
STEAM POWER MAINTENANCE:							
SUPERVISION AND ENGINEERING	402 - 510	\$ 1,039,393	\$ 861,972	\$ 842,512	\$ 937,306	\$ 964,831	\$ 834,101
STRUCTURES	402 - 511	1,104,085	1,150,873	1,202,457	989,059	883,200	777,386
BOILER	402 - 512	8,325,886	7,510,932	7,207,999	9,023,720	8,465,029	5,026,948
ELECTRIC	402 - 513	1,571,499	1,239,787	797,052	2,241,699	2,869,209	1,080,670
MISCELLANEOUS	402 - 514	1,532,984	1,354,726	1,063,183	1,010,467	1,394,309	874,095
Total Steam Power Maintenance		13,573,847	12,118,290	11,113,203	14,202,252	14,576,578	8,593,200
HYDRO POWER MAINTENANCE:							
SUPERVISION & ENGINEERING	402 - 541	5,995	12,384	3,449	2,731	881	3,679
STRUCTURES	402 - 542	7,312	1,824	5,016	12,239	40	66
RESERVOIRS - DAMS	402 - 543	272,577	284,145	277,357	221,684	250,983	250,800
ELECTRIC	402 - 544	30,920	6,319	50,242	907	9,908	4,793
MISCELLANEOUS EXPENSE	402 - 545	2,339	-	-	38		
Total Hydro Maintenance		319,143	304,672	336,064	237,599	261,812	259,338
IC POWER MAINTENANCE WITHOUT	WIND:						
SUPERVISION AND ENGINEERING	402 - 551	50,102	124,683	85,285	67,972	39,346	22,886
STRUCTURES	402 - 552	38,803	34,076	124,923	37,358	25,836	30,910
GENERATING AND ELECTRIC	402 - 553	825,029	518,892	656,222	631,963	443,752	344,215
MISCELLANEOUS EXPENSE	402 - 554	10,878	143,507	26,008	36,124	23,904	32,009
Total IC Maintenance without wind		924,812	821,158	892,438	773,417	532,839	430,020
IC POWER MAINTENANCE WIND ONL	.Y:						
SUPERVISION AND ENGINEERING	402 - 551	-	-	-	3,698	-	9,597
GENERATING AND ELECTRIC	402 - 553	2,077	10,369	12,986	42,680	6,919	-
MISCELLANEOUS EXPENSE	402 - 554	68,900	112,579	6,338	8,408	87,649	315,907
		70,977	122,948	19,324	54,787	94,568	325,504
Additional Contracted Wind Maintenance	e*	210,284	206,358	179,277	97,888	123,439	84,473
Total Maintenance		\$ 15,099,063	\$ 13,573,426	\$ 12,540,306	\$ 15,365,943	\$ 15,589,236	\$ 9,692,535

Note: ¹ Budgeted amounts were used in the most recent rate case.

The above numbers are on a calendar year basis.

Please see V. Additional Reporting Requirements - MN PUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings

Docket Nos. E999/AA-09-961 and E999/AA-10-884 Number 22. for outage information.

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

Big Stone Plant Forced Outage Info

[PROTECTED DATA BEGINS . . .

Outag	e Dates		Duration		Change in	
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
6/15/2020	6/18/2020	Tube Leak		Small tube leak in a boiler screen tube located at the roof line in the SSH area of the boiler. Failure mode was high cycle related stress.		These are very rare occurances and we've not seen a pattern of failures of this type to be concerned about.

... PROTECTED DATA ENDS]

[PROTECTED DATA BEGINS . . .

Coyote Station Forced Outage Info

Outage	e Dates]	Duration		Change in	
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
		Wall tube leak on 7th-8th floor NE				
5/5/2020	5/8/2020	corner	3.09	Sootblower water lance erosion		Inspected sootblower water lance timing
				Tube leak on cyclone tubes, water going down lift line and filling line up		
9/29/2020	10/1/2020	#6 Cyclone Leak	1.28	with water.		Inspected wear blocks and replaced as necessary.
10/26/2020	10/28/2020	Economizer Tube Leak	1.71	Sootblower erosion		Inspected Econ to look for sootblower erosion of tubes.
11/4/2020	11/5/2020	#11 Cyclone Leak	1.34	Tube leak on cyclone tubes, wear blocks wore out.	·	Inspected wear blocks and replaced as needed, will be replacing blocks in major outage.
		_			_	

... PROTECTED DATA ENDS]

Hoot Lake Plant Forced Outage Info

[PROTECTED DATA BEGINS . . .

Outag	je Dates		Duration		Change in	
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
	Hoot Lake P	ant #2				
2/21/2020	2/24/2020	Boiler Repair, turbine vibration	3.44	High vibration of #3 bearing on startup		Analyzed occurrence and modified startup procedure to alleviate likelihood of future occurrences.
2/28/2020	3/1/2020	Boiler tube leak repair - Economizer	1.22	Leaks in tube bundle on tube standoff welds.		This leak was thought to be anomalous but has started to occur more often. Investigating possible root cause(s). Due to impending closure limited action will be taken.
3/1/2020	3/3/2020	Boiler tube leak repair - Economizer	2.03	Continuation of above outage. Listed separately due to end of month.		Same as above.
3/7/2020	3/10/2020	Boiler tube leak repair - Economizer	2.34	Leaks in tube bundle on tube standoff welds.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
4/8/2020	4/10/2020	Boiler Tube Repair - Above burners	2.15	Tube leak in Waterwall tube in corner above burner level.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.

... PROTECTED DATA ENDS]

[PROTECTED DATA BEGINS . . .

Hoot Lake Plant Forced Outage Info

Outage	e Dates	7	Duration]	Change in]
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
	Hoot Lake P	lant #2 (continued)				
7/4/2020	7/9/2020	Turbine Vibration/PSH header Repair	4.66	Tube leak located in Primary Superheat header along outside boiler wall.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
7/11/2020	7/17/2020	Wet Coal	6.26	Unit was unavailable due to unusable coal conditions in the stockpile, and delays with fuel delivery from the BNSF		No changes made in procedures. Extended delay in rail service and rain events lead to outage.
8/23/2020	8/25/2020	Condenser Fouling	1.91	Vegetation and Zebra Mussels fouled condenser		Continue to monitor and clean as needed.
10/16/2020	10/19/2020	Condenser Tube Leak	2.7	Tube leaks in Condenser tubing. Leaking tubes were plugged off.		Condenser age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
11/3/2020	11/4/2020	Repair tube leak in economizer	1.63	Leak in tube bundle on tube standoff welds.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
11/19/2020	11/20/2020	Repair tube leak in economizer	1.33	Leak in tube bundle on tube standoff welds.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
11/20/2020	11/24/2020	Repair tube leak in econ & PSH	3.8	Tube leak in Economizer tubing and tube leak in Primary Superheat tubing. Leaks were repaired with weld overlay.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
12/10/2020	12/14/2020	Turbine Vibration - Startup Failure	3.65	High vibration of #3 bearing on startup		Analyzed occurrence and modified startup procedure to increase offline time to alleviate additional occurrences.
		1				
1/21/2020	1/23/2020	Tube Leak Repair	1.52	Tube leak in economizer section of the boiler repaired with weld overlay.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
2/13/2020	3/1/2020	Turbine vibration repair	16.46	Excessive vibration for an outage within which a missing blade on the LP section was found and repaired.		Due to upcomming retirement no further action is required.
3/1/2020	3/27/2020	Turbine vibration repair	26.42	Continuation of above outage. Listed separately due to end of month.		Continuation from above.
7/11/2020	7/17/2020	Wet Coal	6.3	Unit was unavailable due to unusable coal conditions in the stockpile, and delays with fuel delivery from the BNSF.		No changes made in procedures. Extended delay in rail service and rain events lead to outage.
7/26/2020	7/30/2020	Turbine Throttle Valve Leak	3.93	Left side Turbine Throttle Valve stuck partially open. Rebuilt valves on both sides.		Due to upcomming retirement no further action is required.
8/23/2020	8/27/2020	Wall Tube Rupture	3.61	Waterwall tube failure. Cutout affected tube and replaced with inkind tube.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
10/27/2020	10/29/2020	Economizer Tube Leak	1.97	Three tube leaks in economizer section of the boiler repaired with weld overlay.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
11/3/2020	11/4/2020	Repair Hangers	1.00	Several tube hangers for the Primary and Secondary Superheat tube banks were in need of repair. Rewelded damaged hangers.		Boiler age has resulted in increased tube leaks. Due to upcoming retirement, tube leaks will be repaired as they occur.
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PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED

Docket No. E017/AA-19-297 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

				* (D)							
	(A)	(B)		Production	4	* (E)	* (F)		* (O)	/1.1	11
	Date Delivered	Lost	Delivered to OTP	Amount		Lost	Production Amount	Г	* (G) Total	(H Reas	
Month	MWh	MWh	MWh	OTP Paid		MWh	OTP Paid		OTP Paid	Cod	
WOTH	1010011	1010 011		TED DATA B	EC			ŀ	OTT T GIG	000	.00
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Feb-20											
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Mar-20											
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Apr-20											
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May-20											
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Jun-20											
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Jul-20											
Aug-20											
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Sep-20											
Oct-20											
Nov-20											
Dec-20								L			
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Total 2020					1			Ţ	A ENDO	l	1
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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

			* (C)	* (D)	_				
	(A)	(B)		d Production	┙,	* (E)	* (F)		
	Date Paid		Delivered				Production	* (G)	(H)
Month	Delivered MWh	Lost MWh	to OTP MWh	Amount OTP Paid		Lost MWh	Amount OTP Paid	Total OTP Paid	Reason Codes
WOHLH	IVIVVII	IVIVVII		TED DATA BEG	INS		OTFFAIL	OTFFAIL	Codes
Jan-20									
Feb-20									
Mar-20									
Apr-20									
May-20	5/1, 2, 3, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31	7/15/2020							4
Jun-20	6/1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 24, 25, 27, 29, 30	7/15/2020							4
Jul-20	7/1, 2, 4, 5, 6, 7, 8, 9, 12, 18, 19, 21, 22, 23, 24, 25, 26	8/12/2020							4
Aug-20	8/3, 4, 6, 9,10,12, 14, 23, 24, 25, 26, 27, 28, 29, 30, 31	9/15/2020							4
Sep-20	9/1, 2, 3, 4, 5, 6, 7, 15, 16, 20, 28, 29, 30	10/9/2020							4
Oct-20	10/1, 4, 5, 8, 10, 11, 12, 13, 14, 15, 16, 17, 27, 30, 31	11/12/2020							4
Nov-20	11/3, 5, 8, 14, 15, 29	12/9/2020							4
Dec-20	12/3, 9, 21	1/12/2021							4
Total 2020									
						PRC	TECTED DA	TA ENDS]	

Reason Code Explanation:

Curtailment was called for by Otter Tail Power due to negative LMP pricing. As specified in the Ashtabula 3 power purchase agreement, "Company shall pay to seller for such Curtailment Energy net of any Non-Compensable Curtailments, [PROTECTED DATA BEGINS...

... PROTECTED DATA ENDS]

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- 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

	(4)	(D)	* (C)	* (D)	1 */-	·\ * / - \		
	(A) Date Paid	(B)	Delivered		* (E	(F) * (F) ost Production	* (G)	(H)
	Delivered	Lost	to OTP	Amount	Los		Total	Reason
Month	MWh	MWh	MWh	OTP Paid	MW		OTP Paid	Codes
			[PROTEC	TED DATA BE	GINS	•		
Jan-20	1/2, 3, 8	2/26/2020					4	4
Feb-20	2/2, 12, 16, 17	3/25/2020						4
Mar-20	3/4	4/27/2020						4
War 20	071	1/21/2020						
Apr-20	4/8, 10, 20, 27, 28, 29, 30	5/26/2020						4
May-20	5/1, 2, 10,15, 17, 18, 23, 24, 27, 28, 29, 31	6/24/2020						4
Jun-20	6/1, 5, 6, 7, 10, 12, 13, 14, 15, 17, 20, 30	7/28/2020						4
Jul-20	7/2, 4, 5, 8, 9, 18, 21, 22, 23, 24	8/25/2020						4
Aug-20	8/3, 4, 10, 18, 30, 31	9/23/2020						4
Sep-20	9/2, 3, 4, 5, 6, 7, 15, 18, 19, 20, 21, 25, 27, 28, 30	10/23/2020						4
<u> </u>	10/1, 4, 5, 6, 8, 10, 11,	10/20/2020					1	
Oct-20	12, 13, 14, 21, 22, 27, 30, 31	11/20/2020						4
	11/1, 2, 3, 6, 8, 9, 15,							
Nov-20	28, 29	12/22/2020						4
Dec-20	12/3, 9, 18, 21, 23	1/21/2021						4
Total 2020								
	- 1	Į	1	l	์ P	ROTECTED DAT	TA ENDS]	1 1

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...

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Reason Codes:

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- 4 = other please explain in detail if compensation requested

^{*} Columns C - G are invoiced amounts

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

I. Introduction

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

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

II. The Benefits to Otter Tail Power Company Customers of ASM Participation Otter Tail Power's ASM Cost and Benefit Analysis

Overview

Otter Tail has been participating in Midwest ISO's (MISO) Ancillary Service Market (ASM) since it started on January 6, 2009. Since market start, Otter Tail has not seen any major changes to operation or clearing of our units for energy in the market. Otter Tail has had additional opportunities in the ASM to optimize generation portfolio revenues by providing regulation and spinning reserve without creating a negative impact on available energy necessary to meet customer needs.

Spinning Reserves

Currently, Otter Tail has 8 generating units that are qualified to supply energy, regulation, or spinning reserves service for MISO.

The ASM has also added value for customers when generating units have backed down to minimum generation levels due to low 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 \$25,474 for the January through December 2020 period (Attachment 16, column R, line 8).

Supplemental Reserves

MISO Supplemental Reserves resulted in a net benefit of \$18,397 for the January through December 2020 period (Attachment 16, column R, line 12). 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 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 \$178,852 for the January through December 2020 period (Attachment 16, column R, line 4).

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 2020 there were no penalties assessed to Otter Tail units (Attachment 16, column R, line 13). 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 2020 period, there was a total of (\$12,216) in charges (Attachment 16, column R, line 14).

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 2020 period, which has provided \$198,810 (column R, line 18) of net ASM revenue.

Attachment 17 provides a summary of hourly MWh related to ASM products for the periods of January through December 2020.

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.

Docket No. E017/AA-19-297 Attachment 15 Page 4 of 4

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

_	7		(A)	(B)		(C)	(D)		(E)	(F)	(G)	(H)		(1)	(J)	(K)	(L)		(M)	(N)	(O)	(P)		(Q)	(R)	
Line No.		J	lan-20	Feb-20		1 Mar-20	st Qtr 2020 Total		Apr-20	May-20	2r Jun-20	nd Qtr 2020 Total		Jul-20	Aug-20	Sep-20	3rd Qtr 2020 Total		Oct-20	Nov-20	Dec-20	4th Qtr 2020 Total		2-Month Total	MN Amou @ 0.5065765	
1	Day Ahead Regulation Amount	\$	68,516 \$	67,37	9 \$	67,442 \$	203,338	\$	67,933 \$	27,532 \$	23,873 \$	119,337	\$	85,303 \$	71,989	\$ 50,545	\$ 207,836	\$	27,635 \$	68,836 \$	71,830	168,302	\$	698,813	\$ 354,0	002
2	Real Time Regulation Amount	\$	(23,573) \$	(21,97	6) \$	(22,748) \$	(68,297)	\$	(18,500) \$	(6,841) \$	(2,130) \$	(27,472)	\$	(30,632) \$	(20,704)	\$ (6,646)	\$ (57,982)	\$	(525) \$	(10,530) \$	(11,084)	(22,138)	\$	(175,888)	\$ (89,1	101)
3	Regulation Cost Distribution Amount	\$	(13,787) \$	(14,88	2) \$	(17,255) \$	(45,924)	\$	(15,338) \$	(13,562) \$	(12,245) \$	(41,144)	\$	(12,078) \$	(11,956)	\$ (11,228)	\$ (35,262)	\$	(13,092) \$	(18,520) \$	(15,925)	(47,537)	\$	(169,865)	\$ (86,0	050)
4	Regulation Subtotal	\$	31,157 \$	30,52	1 \$	27,439 \$	89,117	\$	34,095 \$	7,130 \$	9,498 \$	50,722	\$	42,593 \$	39,330	32,670	\$ 114,593	\$	14,019 \$	39,786 \$	44,822	98,627	\$	353,059	\$ 178,8	852
5	Day Ahead Spinning Reserve Amount	\$	14,916 \$	12,14	3 \$	8,396 \$	35,455	\$	7,532 \$	4,522 \$	9,825 \$	21,878	\$	37,608 \$	22,334	\$ 13,820	\$ 73,762	\$	5,399 \$	3 13,839 \$	16,360	35,598	\$	166,694	\$ 84,4	443
6	Real Time Spinning Reserve Amount	\$	7,775 \$	(1,51	5) \$	3,646 \$	9,906	\$	4,310 \$	215 \$	(1,225) \$	3,300	\$	(3,685) \$	(7,249)	\$ (3,136)	\$ (14,070)	\$	(3,243) \$	(3,880) \$	(1,310)	(8,432)	\$	(9,296)	\$ (4,	709)
7	Spinning Reserve Cost Distribution Amount	\$	(7,927) \$	(8,68	8) \$	(9,203) \$	(25,818)	\$	(8,990) \$	(10,115) \$	(9,284) \$	(28,389)	\$	(9,838) \$	(9,648)	\$ (5,345)	\$ (24,831)	\$	(6,618) \$	(10,318) \$	(11,138)	(28,074)	\$	(107,112)	\$ (54,2	260)
8	Spinning Reserve Subtotal	\$	14,764 \$	1,94	0 \$	2,839 \$	19,543	\$	2,852 \$	(5,378) \$	(684) \$	(3,211)	\$	24,085 \$	5,437	5,339	\$ 34,861	\$	(4,461) \$	i (359) \$	3,913	(908)	\$	50,286	\$ 25,4	474
9	Day Ahead Supplemental Reserve Amount	\$	1,895 \$	5,63	6 \$	8,118 \$	15,649	s	6,588 \$	6,131 \$	8,720 \$	21,439	s	10,171 \$	7,930	\$ 7,526	\$ 25,628	s	10,686 \$	8,978 \$	12,844	32,508	s	95,223	\$ 48,2	238
10	Real Time Supplemental Reserve Amount	ľ	(1,052) \$			(4,964) \$		s		(1,701) \$			\$	(6,903) \$				\$,-		s	(41,117)		
11	Supplemental Reserve Cost Distribution Amount		(2,155) \$			(1,826) \$		\$		(1,174) \$			\$	(1,030) \$				\$					\$	(17,789)		.012)
12	Supplemental Reserve Subtotal	\$	(1,313) \$	27	8 \$	1,327 \$	292	\$	3,200 \$	3,255 \$	4,509 \$	10,964	\$	2,238 \$	2,680	3,461	\$ 8,379	\$	5,174 \$	6 4,222 \$	7,286	16,681	\$	36,316	\$ 18,3	397
13	Contingency Reserve Deployment Failure Charge Amount	\$	- \$		\$	- \$	-	\$	- \$	- \$	- \$	-	\$	- \$	- 5	-	\$ -	\$	- \$	s - \$: - :	s -	\$	-	\$.	-
14	Real Time Excessive Deficient Energy Deployment Charge Amount	e	(1.479) ¢	(2.27	7) ¢	(1.562) °	(5.410)	s	(1.639) ¢	(1.004) ¢	(406) *	(3.040)		(1.055\ e	(1.100) (t (1.204)	¢ (4.4E0)	٠	(2.507\ ¢	5 (5,357) \$	(3,327)	(11 101)	\$	(24.146)	e (40)	216)
	Net Regulation Adjustment Amount		(1,478) \$			(1,563) \$		1	(1,638) \$		(406) \$		\$	(1,955) \$				\$, .		, , ,	, , ,		(24,116)		
15	Real Time Miscellaneous		(5,480) \$	(1,15		(3,497) \$		\$	(619) \$	(650) \$	(468) \$	(1,738)	\$	(909) \$	(5,589) \$	\$ (682)	\$ (7,180)	\$	(769) \$	(122)		, , ,	\$	(23,088)		596)
16		\$	- \$	-	\$	- \$	-	\$	- \$	- \$	- \$	-	\$	- \$	- (-	\$ -	\$	- \$	S - \$:	-	\$	-	\$	-
17	Other Charge Subtotal	\$	(6,959) \$	• •	8) \$	(5,060) \$	(15,546)	\$	(2,258) \$	(, , .	(874) \$	(4,786)	\$	(2,864) \$	(-,,	\$ (2,076)	\$ (11,638)	\$	(3,276) \$	(=,===, +	(6,405)	(-, - ,	\$	(47,204)	, , ,	
18	TOTAL	\$	37,649 \$	29,21	2 \$	26,545 \$	93,406	\$	37,889 \$	3,352 \$	12,448 \$	53,689	\$	66,053 \$	40,748	\$ 39,394	\$ 146,195	\$	11,456 \$	38,095 \$	49,616	99,167	\$	392,458	\$ 198,8	810

Summary of 12 ASM Charge Types (MWH)

	ī	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(0)	(P)	(Q)	(R) MN Amount
Line No.		Jan-20	Feb-20	Mar-20	1st Qtr 2020 Total	Apr-20	May-20	Jun-20	2nd Qtr 2020 Total	Jul-20	Aug-20	Sep-20	3rd Qtr 2020 Total	Oct-20	Nov-20	Dec-20	4th Qtr 2020 Total	12-Month Total	@ 0.506576555
	Day Ahead Regulation Amount	8,266.80	7,920.70	8,119.50	24,307.00	7,356.00	3,604.90	3,196.20	14,157.10	8,249.20	7,461.90	5,153.50	20,864.60	2,511.20	4,089.30	8,503.60	15,104.10	74,432.80	37,705.91
2	Real Time Regulation Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Regulation Cost Distribution Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Regulation Subtotal	8,266.80	7,920.70	8,119.50	24,307.00	7,356.00	3,604.90	3,196.20	14,157.10	8,249.20	7,461.90	5,153.50	20,864.60	2,511.20	4,089.30	8,503.60	15,104.10	74,432.80	37,705.91
	Day Ahead Spinning Reserve																		
5	Amount	6,768.90	6,071.70	4,240.10	17,080.70	2,271.30	628.50	1,756.10	4,655.90	5,797.40	3,407.80	2,177.00	11,382.20	1,205.40	3,719.40	6,128.10	11,052.90	44,171.70	22,376.35
6	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
7	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
8	Spinning Reserve Subtotal	6,768.90	6,071.70	4,240.10	17,080.70	2,271.30	628.50	1,756.10	4,655.90	5,797.40	3,407.80	2,177.00	11,382.20	1,205.40	3,719.40	6,128.10	11,052.90	44,171.70	22,376.35
9	Day Ahead Supplemental Reserve Amount	7,997.10	21,658.30	37,856.10	67,511.50	28,501.60	30,954.70	38,907.20	98,363.50	35,488.60	31,009.10	31,246.20	97,743.90	36,794.60	30,574.10	54,804.10	122,172.80	385,791.70	195,433.03
10	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
11	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
	Supplemental Reserve Subtotal	7,997.10	21,658.30	37,856.10	67,511.50	28,501.60	30,954.70	38,907.20	98,363.50	35,488.60	31,009.10	31,246.20	97,743.90	36,794.60	30,574.10	54,804.10	122,172.80	385,791.70	195,433.03
	Outline and December																		
13	Contingency Reserve Deployment Failure Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Real Time Excessive Deficient Energy Deployment Charge Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Net Regulation Adjustment																		
15	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
16	inear rime 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
17	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
18	TOTAL	23,032.80	35,650.70	50,215.70	108,899.20	38,128.90	35,188.10	43,859.50	117,176.50	49,535.20	41,878.80	38,576.70	129,990.70	40,511.20	38,382.80	69,435.80	148,329.80	504,396.20	255,515.29

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

Montly Average Schedule 17 Amount

April '05 through December '08	\$	48,983.00
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
Average monthly increase from prior period	\$	(3,094.43)
Montly Average Schedule 17 Rate per MWh		
Montly Average Schedule 17 Rate per MWh April '05 through December '08	\$	0.07220
	\$	0.07220 0.09750
April '05 through December '08	•	
April '05 through December '08 January '09 through December '09	\$	0.09750
April '05 through December '08 January '09 through December '09 January '10 through December '10	\$	0.09750 0.09380
April '05 through December '08 January '09 through December '09 January '10 through December '10 January '11 through June '11	\$ \$	0.09750 0.09380 0.09300
April '05 through December '08 January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12	\$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040
April '05 through December '08 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	\$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040 0.08820
April '05 through December '08 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	\$ \$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040 0.08820 0.07656
April '05 through December '08 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	\$ \$ \$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040 0.08820 0.07656 0.07337
April '05 through December '08 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	\$ \$ \$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040 0.08820 0.07656 0.07337 0.07479
April '05 through December '08 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	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040 0.08820 0.07656 0.07337 0.07479
April '05 through December '08 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	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.09750 0.09380 0.09300 0.09040 0.08820 0.07656 0.07337 0.07479 0.07312

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 June 12, 2019, in Docket No. E999/CI-03-802. These rates were effective with bills rendered on and after January 1, 2020.

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 2020.
- 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 2020 as summarized in the table below.

	Forecasted Costs - System	Actual Costs - System
January 2020	\$14,502,885	\$ 9,332,364
February	\$12,634,626	\$10,452,068
March	\$11,496,469	\$10,372,001
April	\$10,256,151	\$ 7,824,207
May	\$ 9,187,126	\$ 5,870,251
June	\$ 8,963,352	\$ 6,575,321
July	\$10,600,494	\$ 8,308,216
August	\$10,565,657	\$ 7,865,824
September	\$ 9,515,539	\$ 5,801,508
October	\$ 9,922,678	\$ 7,697,716
November	\$ 9,982,342	\$ 7,330,897
December	\$11,794,063	\$ 9,692,490
TOTAL 2020	\$129,421,381	\$97,122,863

The following amounts are reflective of the Minnesota January 2020 – December 2020 reporting period.

Line	Item	Amount
1	Total 2020 kWh Sales (System)	4,782,786,157
2	Total 2020 kWh Sales Subject to COE – MN	2,422,847,336
3	Percent of MN Sales to System (Line 2 / Line 1)	0.506576555
4		
5	Total 2020 System Fuel Costs	\$97,122,863
6	Percent of MN kWh Sales (Line 3 above)	0.506576555
7	2020 Fuel Costs Allocated to MN (Line 5 X Line 6)	\$49,200,166

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 2020 relative to costs incurred:

Line	Item	Amount
1	Recovery from FCA	\$2,208,677
2	Recovery from Base Fuel ¹	\$59,728,033
3	Total Recovery of 2020 Costs (Line 1 – Line 2)	\$61,936,710
4	MN Share of Fuel Costs	\$49,200,166
5	Total Over/(Under) Recovery (Line 3 – Line 4)	\$12,736,5442

During 2020, rates also included adjustments for the return of true-up balances from the July 2018 – December 2019 recovery period, as well as a refund of the Q1 2020 tracker balance as reflected in the table below. (See Attachment 1 for details.)

	July 2018 – December 2019 True Up Refund	Q1 2020 Over Collection Refund
January 2020	(\$0)	(\$0)
February	(\$0)	(\$0)
March	(\$108,912)	(\$0)
April	(\$105,515)	(\$0)
May	(\$ 88,804)	(\$0)
June	(\$ 84,022)	(\$0)
July	(\$100,022)	(\$1,140,252)
August	(\$ 98,556)	(\$1,123,535)
September	(\$ 90,513)	(\$1,031,848)
October	(\$ 89,828)	(\$0)
November	(\$ 96,519)	(\$0)
December	(\$106,396)	(\$0)
TOTAL 2020	(\$969,086)	(\$3,295,635)

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

2,422,847,336 \$0.024652 \$59,728,033

Amount Recovered From Base Cost

² Total over-recovery before inclusion of authorized refunds for Q1 2020 and Q2/Q3 2020 over-recoveries.

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

During Q1 of 2020, an over recovery of costs was realized. Per Commission Order dated July 13, 2020, rates were adjusted down by (\$0.0057)/kWh to return that overcollection to customers in July – September 2020 timeframe. The amount refunded was (\$3,295,635) for the January – March 2020 timeframe.

Additional over-collections occurred in Q2 and Q3 of 2020. Per Commission Order dated November 16, 2020, rates for the January – June 2021 timeframe will be adjusted down to return (\$8,383,674) of over-recovery to customers during 2021.

Appendix A – Section 3

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

2020 Actual

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

Regulatory Background on MISO Costs:

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

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

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

In accordance with the December 2006 Order we are submitting the following additional reporting requirements:

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

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

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

[PROTECTED DATA BEGINS...

... PROTECTED DATA ENDS]

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

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... PROTECTED DATA ENDS

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

2020 Actual Results:

No additional purchases of FTRs for congestion hedging were made in 2020.

Otter Tail's FTR Hedging Approach:

For 2020, 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 offline for extended maintenance and/or a unit is expected to be economically de-committed due to low wholesale energy prices. Under such circumstances these FTRs do not serve to hedge energy flows between generation and load. In addition, the Company may choose to purchase additional FTRs for bilateral purchases if a monthly or seasonal FTR is anticipated to provide a reasonable hedge against congestion costs. Historically, purchasing FTRs to hedge a bilateral purchase has been a very infrequent occurrence.

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

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

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

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

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

Forecasted costs for 2020 were filed and approved in Docket No. E017/AA-19-297 effective January 1, 2020.

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

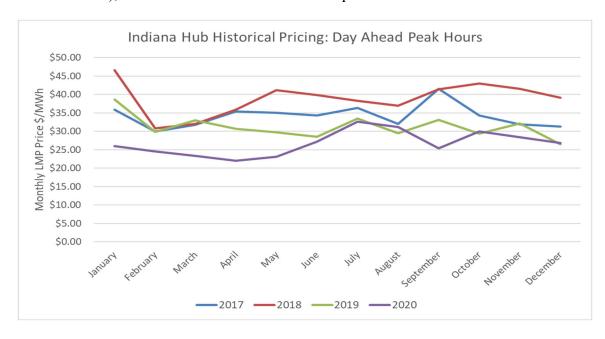
7. C. Each utility shall prepare a summary of its AAA filing stating key factors affecting costs (including Revenue Sufficiency Guarantee costs and Revenue Neutrality Uplift costs) along with the FCA Forecast.

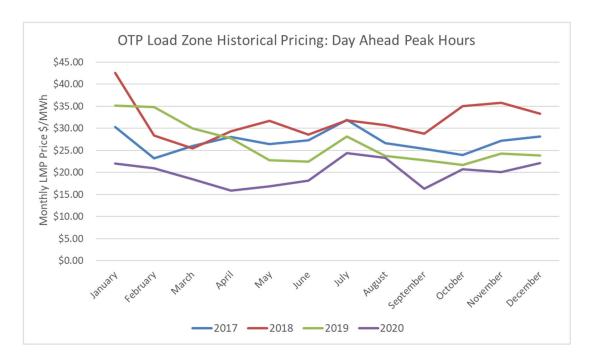
Attachment 9 (System and Minnesota) and **Attachment 10** (Monthly and YTD MISO Day 2 Charges) reflect total MISO costs for the reporting period of January through December 2020.

Total net MISO charges for 2020 were \$33.5 million as found on line 55 of Attachment 9.

MISO Market Overview for 2020:

The biggest driver in determining wholesale energy market credits/charges and dispatch of generation is market pricing, or more specifically, Locational Marginal Pricing (LMP). 2020 LMP pricing was considerably lower 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.

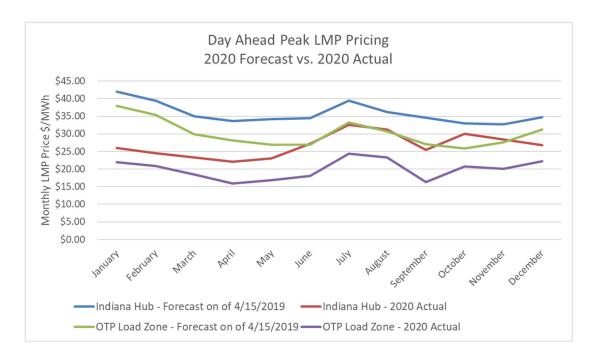




2020 Indiana Hub DA peak LMP pricing experienced an approximate 23% reduction from the previous 3-year average. Similarly, Otter Tail load zone LMP pricing experienced an approximate 30% reduction from the previous 3-year average.

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 2020 Otter Tail Power forecast utilized the April 15, 2019 Indiana Hub forward price curve. The Indiana Hub and Otter Tail load zone curves, forecast vs actual, are shown in the below graph.



Actual 2020 Indiana Hub pricing, compared to the April 15, 2019 forward Indiana Hub price curve, dropped approximately 25%. Similarly, actual 2020 Otter Tail load zone pricing, compared to the forecasted April 15, 2019 Otter Tail load zone price curve, dropped approximately 33%. The reduction in LMP pricing is believed to be caused by a number of different factors, including, but not limited to, very low natural gas pricing, ever increasing renewable penetration, and the impacts to system load caused by the COVID-19 pandemic.

As mentioned earlier, natural gas often drives MISO LMP pricing. The below natural gas graph details similar trends, April 15, 2019 forecast vs. 2020 actual:



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Like energy, 2020 natural gas pricing was forecasted to be significantly higher than what occurred.

Depressed LMP pricing impacted Otter Tail's 2020 actual results significantly. Most notably, as LMP pricing drops, it becomes increasingly economic to reduce higher cost company owned generation production and replace it with less expensive economic market purchases. Economic market purchases are procured at the daily Otter Tail load zone LMP price. The drop in LMP pricing, from forecasted values to 2020 actuals, resulted in a substantial reduction of cost (\$/MWh) to procure daily market purchases. This is detailed in line 149 of Attachment 3.

Lower LMP pricing also impacts the production of energy and ancillary service market (ASM) products. As LMP pricing decreases, the number of hours that a generator is producing at maximum output is reduced, allowing increased capacity for ASM production (regulation, spinning, and supplemental reserves). Furthermore, in a low LMP market, there are an increasing number of hours where provision of ASM products is more profitable than provision of energy. This is detailed in line 134 of Attachment 3.

2020 also resulted in considerably increased revenue through Otter Tail's FTR portfolio. As the northwestern region of MISO continues to see increasing penetration of renewable generation, congestion continues to increase between Otter Tail base load units and the Otter Tail load zone. This is particularly true of Otter Tail's Big Stone Plant and Coyote Station, both of which are located within increasingly constrained transmission pockets. Increased hourly FTR revenue is detailed in line 57 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. This is detailed in 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 2020 are 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,

Docket No. E017/AA-19-297 Appendix A Section 4

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 2020.

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 transaction 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 maintenance expenses for test year 2016 and actual generation maintenance expenses for 2016 through 2020. Maintenance expenses were down in 2020. In 2018, BSP had a major overhaul, and in 2019, Coyote had a major overhaul, so planned 2020 maintenance expense was expected to be less. In addition, because of the high plant availability and the low number of forced outages in 2020 for Big Stone and Coyote, that performance also resulted in lower repair type maintenance expenses.

Other cost savings were realized from completing certain maintenance projects with existing labor as opposed to hiring external contractors. With another extended maintenance outage planned for 2021 at Big Stone Plant, we expect to see significantly higher maintenance expenses again 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, consisting of three plants:

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 is a 100% owner.

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

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

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

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

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

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

Planned Outages

The table below reflects the planned outages that were scheduled at Big Stone Plant and Coyote Station in 2020 and incorporated into Otter Tail's 2020 forecast.

	A	В	С	D
	Fo	recast 2020 Pla	anned Outages	
Line No.	Outage Start	Outage End	Plant	Duration & Type
1	4/18/2020	5/3/2020	Big Stone Plant	16-day minor outage
2	10/3/2020	10/18/2020	Big Stone Plant	16-day minor outage
3	3/13/2020	3/16/2020	Coyote Station	3-day boiler wash
4	5/29/2020	6/4/2020	Coyote Station	7-day spring outage
5	9/16/2020	9/18/2020	Coyote Station	3-day boiler wash
6	12/4/2020	12/6/2020	Coyote Station	3-day boiler wash

Actual planned outages taken during 2020 were as follows:

	A	В	С	D							
	Actual 2020 Planned Outages										
Line No.	Outage Start	Outage End	Plant	Duration & Type							
1	09/25/2020	10/16/2020	Big Stone	21-Day Maintenance outage							
2	3/08/2020	3/14/2020	Coyote Station	6-day boiler wash / Maintenance Outage							
3	5/30/2020	6/6/2020	Coyote Station	7-day spring outage							
4	11/29/2020	12/5/2020	Coyote Station	6-day boiler wash							

Forced Outages

Otter Tail's generators experienced an aggregate of twenty-four forced outages in excess of 24 hours over the January through December 2020 period; one at the Big Stone Plant, four at Coyote Station and nineteen at the Hoot Lake Plant units #2 and #3. Note that Hoot Lake Plant is being retired in the spring of 2021 and maintenance efforts are being managed accordingly as that plant reaches the end of its useful life.

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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 twenty-four forced outages experienced during the reporting period, fifteen of those outages were tube leaks. Other than outages relating to tube leaks, Otter Tail's plants experienced nine forced outages: zero at Big Stone, two at Coyote, and seven at Hoot Lake units #2 and #3. Otter Tail estimates that the aggregate cost of the replacement power for these outages was **PROTECTED DATA BEGINS** ...

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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 2020 period were (\$2,274,239) (system basis). Congestion within SPP resulted in a revenue of \$895,941 for the period of January through December 2020.

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 \$5,995,342 (system basis) for a net congestion revenue of \$4,617,044 (system basis).

Attachment 10 provides monthly and annual detail of all 2020 MISO Day 2 revenues and (expenses) which include the congestion amounts discussed above.

Attachment 11 provides monthly and annual detail of all 2020 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 2020.

Attachment 3 contains monthly comparisons of forecast to actual amounts for MISO Day 2 charge types for 2020.

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 2020.

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 2020 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 13 ancillary services market (ASM) charge types by month for the true up period of January through December 2020.

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.

Appendix B Legacy to Reform Requirements

Otter Tail Power Company's True-Up Filing to Legacy AAA Filing

REPORTING CONTENT	DOCKET	ORDER DATE	LOCATION OF REPORTING - 2020 TRUE-UP FILING	2020 TRUE-UP ATTACHMENT		LOCATION OF REPORTING - LEGACY	PROPOSED REPORTING UNDER FCA REFORM MECHANISM	Forecast	True-up	Discontinue	Reason to Discontinue
Automatic Adjustment Charges	Minn. R. 7825.2810		Appendix A Section 2		Part	t E Section 1 thru 7					-
Automatic Aujustment Charges	Willin: N. 7025.2010		Appendix A Section 2	Attachment 4 (Energy Adjustment		t E Section 1 Attachment B	Provide in annual fuel cost forecast filing		.,		
Base Cost of Fuel - Subpart 1.A.			Appendix A Section 2.1	Rider)	(Ene	ergy Adjustment Rider)	and actual annual true up filing	Х	Х		
Billing Adjustment Amounts - Subpart 1.B.	E999/DI-07-1582	03/31/08 OES letter	Appendix A Section 2.2	Attachment 5 (kWh Sales by Primary Energy Source)	Sale	es by Primary Energy Source)	Provide in annual true up filing as support for forecasted to actual costs		Х		
			Appendix A Section 2.2	Attachment 6 (Energy Cost by Primary Energy Source)	(Ene Sour		Provide in annual true up filing as support for forecasted to actual costs		Х		
			Appendix A Section 2.2	Attachment 7 (Monthly Cost Components by Fuel Type)		t E Section 2 Attachment C-2 onthly Cost Components by Fuel e)	Provide in annual true up filing as support for forecasted to actual costs		Х		
Total Cost of Fuel Delivered to Customers - Subpart 1.D.			Appendix A Section 2.3		In Su	ubpart 1.D	Provide in annual fuel cost forecast filing and actual annual true up filing	Χ	Х		
5) Revenue Collected from Customers for Energy Delivered - Subpart 1.E.				AU		a ties to Part E Section 8 achment E (True Up Filing)	Provide in annual true up filing as support for forecasted to actual costs		Х		
7) Amount of Refunds Credited to Customers -			Appendix A Section 2.4	Attachment 1 (Otter Tail's True-Up)	Data	a ties to Part E Section 8	Provide in annual true up filing as support		Х		-
Subpart 1.G.			Appendix A Section 2.5		Atta	achment E (True Up Filing)	for forecasted to actual costs				
Additional Reporting Requirements											
Passing MISO Day 2 Costs Through Fuel Clause Order	E017/M-05-284	04/07/05, 12/21/05, 02/24/06, 12/20/2006	Appendix A Section 3		Part	t E Section 10	Provide in annual fuel cost forecast filing and actual annual true up filing	Х	Х		
MISO Module E Data		8/23/2010		Attachment 8		t E Section 10 Attachment G SO Module E)	Provide in annual true up filing		х		
MISO Day 2 Charges	E,G999/AA-07-1130	8/31/2009		Attachment 9		t E Section 10 Attachment I (MN re of MISO Charge Types)	Provide Forecasted info as able; Provide in annual true up filing as support for forecasted to actual costs	Х	Х		
Southwest Power Pool (SPP) Energy Costs	E017/GR-15-1033	05/01/2017 Order	Appendix A Section 4			t E Section 11	Provide in annual fuel cost forecast filing and true-up	Х	Х		
		07/21/2017 Approved		Attachment 11		t E Section 11 Attachment I-2 P Charges by Charge Group)	Provide in annual true up filing as support for forecasted to actual costs	Х	Х		
MN DOC's Review of 2005/2006 AAA Report	E,G999/AA-06-1208	04/16/2007 Recommendations	Appendix A Section 5		Part	t H Section 2	MISO Day 2 charges are reported in Part E Section 10 Attachment I-1 and can be provided in annual true filing as support.		х		
Use of Virtual Transactions for Retail			Appendix A Section 5		Part	t H Section 2	We will state that we do not use virtual transactions.	Χ	Х		
		2/5/2000	Appendix A Section 3	Attachment 12	Part	t H Section 2 Attachment J			Х		
Generation Maintenance Expenses	and E017/M-05-284	2/6/2008		Attachment 12	(Ger	neration Maintenance Expense)	Provide in True-up Filing				
accredited UCAP)	E999/AA-09-961 and E999/AA-10-	4/6/2012	Appendix A Section 6		Part	t H Section 6	Some of this information may also be included in development of forecast		х		
Plant Outage Reporting, Lessons Learned, Congestion/FTRs				Attachment 13	Part	t H Section 6 Attachment M	Plant outages - will be included in forecast. Actuals reported in True-up	Х	Х		
							,				
MN OES's Review of 2006/2007 AAA Report	E,G999/AA-07-1130	06/30/2008 Recommendations	Appendix A Section 7		Part	t H Section 3	This also includes transformer requirement which is reported in Part H Section 8 and could be removed from the fuel clause filings.			Х	Information is more related to resource planning and not necessarily Fuel Clause related
				Attachment 10	(Det	t H Section 3 Attachment K tail of MISO Day 2 Charges - ail - Asset Based and Non Asset)	MISO Day 2 charges can be provided in annual true-up filing as support.		Х		
											A

Otter Tail Power Company's True-Up Filing to Legacy AAA Filing

REPORTING CONTENT	DOCKET	ORDER DATE	LOCATION OF REPORTING - 2020 TRUE-UP FILING	2020 TRUE-UP ATTACHMENT	LOCATION OF REPORTING - LEGACY	PROPOSED REPORTING UNDER FCA REFORM MECHANISM	Forecast	True-up	Discontinue	Reason to Discontinue
Petition to Revise Cost of Energy Adjustment Tarif to Accommodate Purchased Energy from Renewable Resources	E017/M-03-970	11/14/2006	Appendix A Section 8		Part E Section 9	Provide in annual true up filing as support for forecasted to actual costs		Х		
Wind Curtailment Summary	E.G999/AA-06-1208	2/6/2008	Арреник А Зесцин в	Attachment 14	Part E Section 9 Attachment F (Wind Curtailment)	Provide in annual true up filing as support for forecasted to actual costs		Х		
,										
MN OES's Order Authorizing Ongoing Use of Fuel Clause Adjustment and Setting Reporting Requirements	E017/M-08-528	8/23/2010	Appendix A Section 9		Part H Section 4	MISO Day 2 information can be provided in annual true filing as support.		х		
Petition for Approval Revisions to Riders for Fuel Adjustment to Recover Costs and Pass Through Related to MISO Ancillary Services Market		3/17/2009		Attachments 15, 16, 17, and 18	Part H Section 4 Attachment L and Schedules 1 - 3 of Attachment L			х		
MNPUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings in 2013/2014 AAA Reports (FTR, ARRs)	E999/AA-14-579	6/2/2016	Appendix A Section 10		Part H Section 9	A few Order items are addressed in other parts of the AAA filing. Will the FTR and ARR reporting be necessary?		х		
MNPUC Order Acting on Electric Utilities' Annual Reports and Setting Further Requirements (Contractors)	E999/AA-08-995	3/15/2010	Appendix A Section 11		Part H Section 5	Provide if applicable in True-up filing		х		
Independent Auditor's Report	Minn. R. 7825.2820	E999/AA-15-611	Appendix C		Deat 5	Provide in True-up Filing		X		
independent Additor's Report	IVIIIII. N. 7823.282U	C333/AA-13-011	Аррепих С		Part F			^		
Notice of Reports Availability	Minn. R. 7825.2840		Appendix D		Part I	Align with decision rules 7825.2800 through 7825.2830	Х	Х		

Appendix C Rule 7825.2820 Independent Auditor's Report



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INDEPENDENT ACCOUNTANTS' REPORT ON APPLYING AGREED UPON PROCEDURES

Otter Tail Power Company:

We have performed the procedures enumerated below, which were agreed to by Otter Tail Power Company (the "Company") and the MN Public Utilities Commission (the "Commission"), 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 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. Consequently, we make no representation regarding the sufficiency of the procedures enumerated below either for the purpose for which this report has been requested or for any other purpose.

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 customers for purchased power on a monthly basis for the period January 1, 2020 through December 31, 2020, by customer class, and noted 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, 2020 through December 31, 2020. 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. 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, 2020 through December 31, 2020.
- 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, 2020 to December 31, 2020, noting no exceptions.
- h. We recalculated the true-up calculation for the period from January 1, 2020 to December 31, 2020 and traced the related revenue and expense amounts to the Company's general ledger and found them to be in agreement.

This agreed-upon procedures engagement was conducted 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, 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.

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

February 25, 2021

Delvitte & Touche UP

Appendix D 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)



February 26, 2021

Notice of Availability of Reports

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

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

Minn. R. 7825.2810 Automatic Adjustment Charges

Minn. R. 7825.2820 Annual Independent Auditors' Report

Minn. R. 7825.2840 Notice of Reports Availability, Certificate of Service, and Service Lists

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

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

Sincerely,

/s/ STUART TOMMERDAHL
Stuart Tommerdahl
Manager, Regulatory Administration



CERTIFICATE OF SERVICE

RE: In the Matter of Otter Tail Power Company's Initial Petition for

Approval of the Annual Forecasted Rates for its Energy Adjustment Rider,

Rate Schedule Section 13.01 Docket No. E017/AA-19-297 Docket No. E017/GR-15-1033 Docket No. E017/GR-20-719

I, Tammy Kubela, 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 26th day of February, 2021.

/s/ Tammy Kubela

Tammy Kubela Regulatory Filing Coordinator Otter Tail Power Company 215 South Cascade Street Fergus Falls MN 56537 (218) 739-8807

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Peter	Beithon	pbeithon@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	Yes	OFF_SL_19-297_AA-19- 297
William	Black	bblack@mmua.org	MMUA	Suite 200 3131 Fernbrook Lane Plymouth, MN 55447	Electronic Service North	No	OFF_SL_19-297_AA-19- 297
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Christina	Brusven	cbrusven@fredlaw.com	Fredrikson Byron	200 S 6th St Ste 4000 Minneapolis, MN 554021425	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Michael J.	Bull	mbull@mncee.org	Center for Energy and Environment	212 Third Ave N Ste 560 Minneapolis, MN 55401	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Dennis R	Eicher	dennis@eicherconsulting.c om	D.R. Eicher Consulting, Inc.	28947 River Ridge Rd NW Isanti, MN 55040	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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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_19-297_AA-19- 297
Jeffrey	Haase	jhaase@grenergy.com	Great River Energy	12300 Elm Creek Blvd Maple Grove, MN 55369	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Shane	Henriksen	shane.henriksen@enbridge .com	Enbridge Energy Company, Inc.	1409 Hammond Ave FL 2 Superior, WI 54880	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Arshia	Javaherian	arshia.javaherian@enbridg e.com	Enbridge Energy	26 East Superior Street Suite 309 Duluth, MN 55802	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Richard	Johnson	Rick.Johnson@lawmoss.co m	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-297_AA-19- 297

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Steven	Kahl	pscexecutivesec@nd.gov	North Dakota Public Service Commission	600 E. Boulevard Avenue State Capital, 12th Flo Dept 408 Bismarck, ND 585050480	Electronic Service for,	No	OFF_SL_19-297_AA-19- 297
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Bill	Lachowitzer	blachowitzer@ibewlocal94 9.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Douglas	Larson	dlarson@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_19-297_AA-19- 297
James D.	Larson	james.larson@avantenergy .com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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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_19-297_AA-19- 297
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Brian	Meloy	brian.meloy@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Andrew	Moratzka	andrew.moratzka@stoel.co m	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Matthew	Olsen	molsen@otpco.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	Yes	OFF_SL_19-297_AA-19- 297
Joyce	Peppin	joyce@mrea.org	Minnesota Rural Electric Association	11640 73rd Ave N Maple Grove, MN 55369	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Lisa	Pickard	Iseverson@minnkota.com	Minnkota Power Cooperative	5301 32nd Ave S Grand Forks, ND 58201	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297
Michelle	Rebholz	michelle.rebholz@state.mn .us	Public Utilities Commission	Suite 350121 Seventh Place East St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297
Steve	Sanda			101 Park Circle Ottertail City, MN 565717003	Paper Service	No	OFF_SL_19-297_AA-19- 297

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750	Electronic Service	No	OFF_SL_19-297_AA-19- 297
				St. Paul, MN 55101			
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	332 Minnesota St, Ste W1390 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Michael	Schmidt	mschmidt@pkmcoop.com	PKM Electric Coop Inc	PO Box 108	Electronic Service	No	OFF_SL_19-297_AA-19-
iviiciaei	Sumut	mscimut@pxiicoop.com	Provide Good inc	Warren, MN 56762	Liectionic Service	NO	297
Christopher	Schoenherr	cp.schoenherr@smmpa.or g	SMMPA	500 First Ave SW Rochester, MN 55902-3303	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297
Janet	Shaddix Elling	jshaddix@janetshaddix.co m	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_19-297_AA-19- 297
Cari	Snaza	cari.snaza@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 55155	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Cary	Stephenson	cStephenson@otpco.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Lynnette	Sweet	Regulatory.records@xcele nergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_19-297_AA-19- 297

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_19-297_AA-19- 297
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_19-297_AA-19- 297
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Patricia	Van Gerpen	patty.vangerpen@state.sd.	South Dakota Public Utilities Commission	State Capitol Building 500 E Capitol Ave Pierre, SD 57501-5070	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Kevin	Walli	kwalli@fryberger.com	Fryberger, Buchanan, Smith & Frederick	380 St. Peter St Ste 710 St. Paul, MN 55102	Electronic Service	No	OFF_SL_19-297_AA-19- 297
Patrick	Zomer	Patrick.Zomer@lawmoss.c om	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-297_AA-19- 297

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
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
Shane	Henriksen	shane.henriksen@enbridge .com	Enbridge Energy Company, Inc.	1409 Hammond Ave FL 2 Superior, WI 54880	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
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
Douglas	Larson	dlarson@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	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
Ben	Passer	Passer@fresh-energy.org	Fresh Energy	408 St. Peter Street Ste 220 Saint Paul, MN 55102	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
David G.	Prazak	dprazak@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_15-1033_Official Service List
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
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	332 Minnesota St, Ste W1390 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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Patrick	Zomer	Patrick.Zomer@lawmoss.c om	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service		OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Amadeo	Bellino	amadeo.bellino@llojibwe.n et	Leech Lake Band of Ojibwe	- -, - 55101	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Mariah	Bevins	Maria.Bevins@whiteearth- nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC 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_20-719_Official CC 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_20-719_Official CC Service List
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Jason	Decker	jason.decker@llojibwe.net	Leech Lake Band of Ojibwe	- -, - 55101	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC 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_20-719_Official CC Service List
Grace	Elliott	grace.elliott@llojibwe.net	Leech Lake Band of Ojibwe	- -, - 55101	Electronic Service	No	OFF_SL_20-719_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 CC Service List
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 CC Service List
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC 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_20-719_Official CC Service List
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 CC Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC Service List
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Shane	Henriksen	shane.henriksen@enbridge .com	Enbridge Energy Company, Inc.	1409 Hammond Ave FL 2 Superior, WI 54880	Electronic Service	No	OFF_SL_20-719_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Kristin	Henry	kristin.henry@sierraclub.or g	Sierra Club	85 Second Street San Francisco, CA 94195	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC Service List
Faron	Jackson, Sr.	faron.jackson@llojibwe.net	Leech Lake Band of Ojibwe	N/A	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC Service List
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 CC Service List
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 CC 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_20-719_Official CC Service List
Douglas	Larson	dlarson@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-719_Official CC 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_20-719_Official CC Service List
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 CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 CC Service List
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_20-719_Official CC 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	No	OFF_SL_20-719_Official CC Service List
Tim	Miller	Tim.Miller@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_20-719_Official CC 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_20-719_Official CC Service List
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 CC Service List
Ben	Passer	Passer@fresh-energy.org	Fresh Energy	408 St. Peter Street Ste 220 Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official CC Service List
David G.	Prazak	dprazak@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_20-719_Official CC Service List
Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_20-719_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 CC 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_20-719_Official CC Service List
Larry L.	Schedin	Larry@LLSResources.com	LLS Resources, LLC	332 Minnesota St, Ste W1390 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official CC Service List
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 CC Service List
Robert H.	Schulte	rhs@schulteassociates.co m	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_20-719_Official CC 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_20-719_Official CC 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_20-719_Official CC Service List
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 CC 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_20-719_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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 CC 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_20-719_Official CC Service List
Laurie	Williams	laurie.williams@sierraclub.	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste Denver, CO 80202	Electronic Service 200	No	OFF_SL_20-719_Official CC Service List
Cha	Xiong	cha.xiong@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St. Suite 1400 St. Paul, Minnesota 55101	Electronic Service	Yes	OFF_SL_20-719_Official CC Service List
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 CC Service List
Patrick	Zomer	Patrick.Zomer@lawmoss.c om	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official CC Service List