

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



February 26, 2021

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

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

**RE: In the Matter of Otter Tail Power Company’s Petition for Approval of the Annual  
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@otpc.com](mailto:stommerdahl@otpc.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 Advocates<sup>1</sup> 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.

---

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

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 period<sup>2</sup>, 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,

---

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

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 (\$1,246,144<sup>3</sup>) 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.

---

<sup>3</sup> 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@otpc.com](mailto:cstephenson@otpc.com)

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

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

Consistent with the filing requirement in Minn. R. 7825.2840, the date of this filing is February 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@otpc.com](mailto:stommerdahl@otpc.com)

**F. Impact on Rates**

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

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

**G. Service List**

(Minn. Rules 7829.0700)

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

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

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

## H. Service on Other Parties

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

Pursuant to Minn. Rule 7829.1300, Subp. 2, Otter Tail served a copy of this Petition on the Department and the 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 approved<sup>4</sup> 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

---

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

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 <sup>5</sup>	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)
<b>Total</b>	<b>\$97,122,863</b>	<b>\$129,421,381</b>	<b>(\$32,298,518)</b>

**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%)<sup>6</sup> below average in 2020. Table 3 below shows the actual billed kWh sales compared to forecast for 2020:

<sup>5</sup> Approved per Commission Order dated December 18, 2019 in this Docket.

<sup>6</sup> Normal HDD = 6351, Actual 2020 HDD = 6174

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

Month	Actual	Forecast <sup>7</sup>	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)
<b>Total</b>	<b>4,782,786,157</b>	<b>5,032,226,846</b>	<b>(249,440,689)</b>

### 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.

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

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

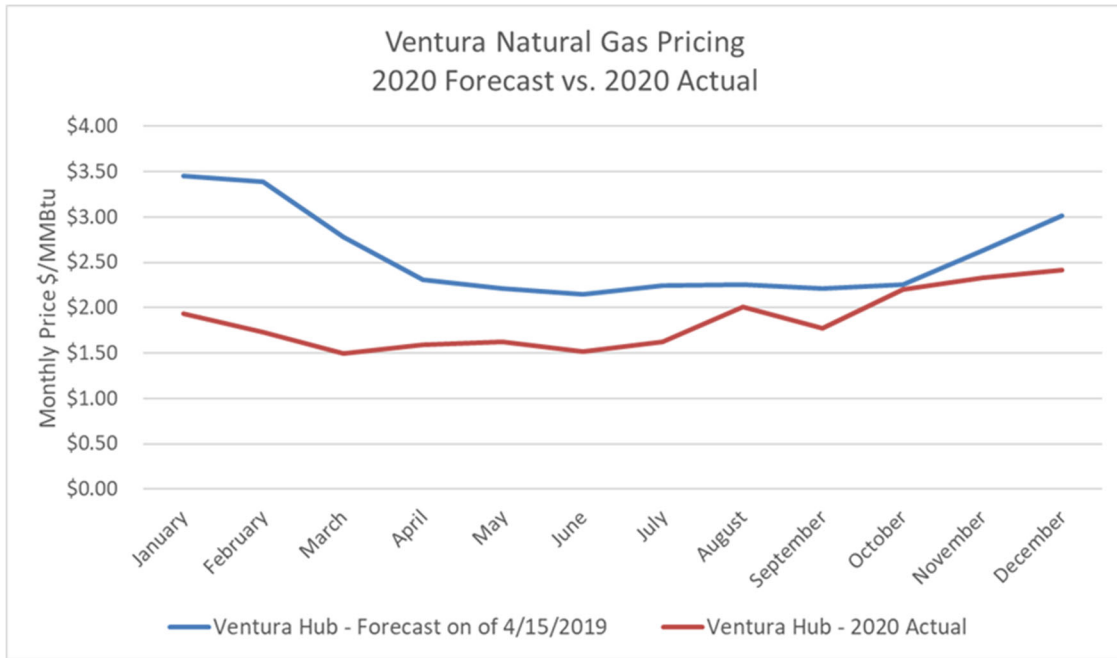
Month	Actual	Forecast <sup>8</sup>	Variance
January 2020	\$0.017749	\$0.028098	(\$0.010350)
February 2020	\$0.021520	\$0.027386	(\$0.005867)
March 2020	\$0.023203	\$0.025665	(\$0.002462)
April 2020	\$0.018440	\$0.026142	(\$0.007702)
May 2020	\$0.017133	\$0.025123	(\$0.007990)
June 2020	\$0.020626	\$0.024857	(\$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.

<sup>8</sup> 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.

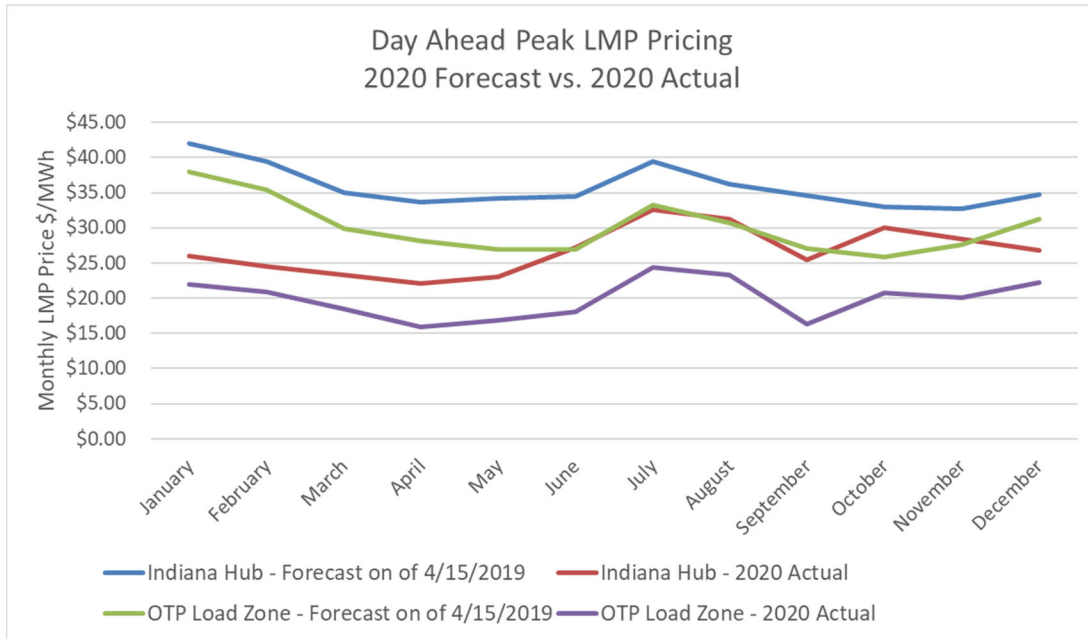
Otter Tail’s forecasted 2020 LMP prices for the Otter Tail load zone used as modeling inputs utilizes the daily forward Indiana Hub price curves published by Intercontinental Exchange, Inc (ICE). Otter Tail analyzes historical pricing basis between the Indiana Hub and Otter Tail load zone, evaluates 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)**

Generating Unit	Actual MWhs	Forecast MWhs	Variance	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%
<b>Total Baseload Generation -MWhs</b>	<b>1,931,612</b>	<b>2,228,300</b>	<b>(296,688)</b>	<b>-13.3%</b>
<b>Total Baseload Fuel Costs<sup>9</sup></b>	<b>\$45,124,340</b>	<b>\$50,336,035</b>	<b>(\$5,211,695)</b>	<b>-10.4%</b>

**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<sup>10</sup> 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

<sup>9</sup> Includes both costs of coal and fuel oil used at the plants.

<sup>10</sup> 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 unit<sup>11</sup> be self-scheduled into the market, or if either SPP or MISO require the unit to run, all owners are required to take their minimum share of the plant as it is committed to their respective markets. There were periods during 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

---

<sup>11</sup> While MISO and SPP look at each owner's shares as separate units when called upon for dispatch, the plant can only operate as one unit.

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%
<b>Total Wind</b>	<b>508,624</b>	<b>552,000</b>	<b>(43,376)</b>	<b>-7.9%</b>

**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%
<b>Total Purchases - MWhs</b>	<b>2,686,642</b>	<b>2,477,900</b>	<b>208,742</b>	<b>8.4%</b>
<b>Total Purchases - Cost</b>	<b>\$56,861,382</b>	<b>\$75,064,600</b>	<b>(\$18,203,218)</b>	<b>-24.3%</b>
<b>Average Cost per MWh</b>	<b>\$21.16</b>	<b>\$30.29</b>	<b>(\$9.13)</b>	<b>(30.1%)</b>

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 than 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 SPP<sup>12</sup> energy markets. This subset of wholesale market charges/credits does not include the primary charges/credits associated with the injection of energy (generation) and the withdrawal of energy (load), as these charges are captured in the purchased power category of costs described above. Nearly 70 different MISO and SPP wholesale market charge types are currently assessed to Otter Tail.

Table 8 below summarizes 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)**

	<b>Actual</b>	<b>Forecast</b>	<b>Variance</b>	<b>Variance %</b>
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%
<b>Total Market Charges</b>	<b>(\$1,467,808)</b>	<b>\$2,906,101</b>	<b>(\$4,373,909)</b>	<b>-150.5%</b>

**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

<sup>12</sup> 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)**

	<b>Actual</b>	<b>Forecast</b>	<b>Variance</b>	<b>Variance %</b>
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%
<b>Total Asset Based Sales</b>	<b>(\$4,432,230)</b>	<b>(\$151,060)</b>	<b>(\$4,281,170)</b>	<b>-150.5%</b>

**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**

<b>Line</b>	<b>Item</b>	<b>Amount</b>
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	<b>Total Annual True-up</b>	<b>\$1,246,144</b>

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 0.001¢), the true-up balance will carry over to the next year’s true-up.*

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



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

This annual true-up for 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
- Appendix A Section 2.3 Subpt. 1.D. Total Cost of Fuel Delivered to Customers
- Appendix A Section 2.4 Subpt. 1.E. Revenue Collected from Customer for Energy Delivered
- Appendix A Section 2.5 Subpt. 1.G. The Amount of Refunds

#### **Additional Reporting Requirements**

- Appendix A Section 3 Passing MISO Day 2 Costs Through Fuel Clause Order in Docket No. E017/M-05-284
- Appendix A Section 4 Southwest Power Pool (SPP) Energy Costs Docket No. E017/GR-15-1033
- Appendix A Section 5 MN DOC's Review of 2005/2006 AAA Report Docket No. E,G999/AA-06-1208, Use of Virtual Transactions for Retail and Generation Maintenance Expenses

Appendix A Section 6	MNPUC Order Acting on Electric Utilities’ Annual Reports and Requiring Additional Filings (Lessons Learned, Outages, Congestion and FTR, MISO Accredited UCAP Docket No. E999/AA-09-961 and E999/AA-10-884
Appendix A Section 7	MN OES’s Review of 2006/2007 AAA Report – MISO Day 2 Charges Docket E,G999/AA-07-1130
Appendix A Section 8	Petition to Revise Cost of Energy Adjustment Tariff to Accommodate Purchased Energy from Renewable Resources Docket No. E017/M-03-970 and Wind Curtailment Summary Docket No. E,G999/AA-06-1208
Appendix A Section 9	MN OES's Order Authorizing Ongoing Use of Fuel Clause Adjustment and Setting Reporting Requirements and Petition for Approval Revisions to Riders for Fuel Adjustment to Recover Costs and Pass through Related to MISO Ancillary Services Market Docket No. E017/M-08-528
Appendix A Section 10	MNPUC Order Acting on Electric Utilities’ Annual Reports and Requiring Additional Filings in 2013/2014 AAA Reports (FTR,ARRs) Docket No. E999/AA-14-579
Appendix A Section 11	MNPUC Order Acting on Electric Utilities’ Annual Reports and Setting Further Requirements – Contractors Docket No. E999/AA-08-995

**Minn. R. 7825.2820 Annual Auditor’s Report**

Appendix 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*

---

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

OTTER TAIL POWER COMPANY  
FUEL CLAUSE ADJUSTMENT FORECAST PETITION ATTACHMENTS

Attachment 1	True-Up for kWh Subject to Energy Adjustment
Attachment 2	Forecast to Actual by Category
Attachment 3	Forecast to Actual Detail by Month with Variance (Not Public)
Attachment 4	Energy Adjustment Rider Rate Schedule
Attachment 5	kWh Sales by Primary Energy Source
Attachment 6	Energy Costs by Primary Energy Source
Attachment 7	Monthly Cost Components by Fuel Type (Not Public)
Attachment 8	MISO Module E (Not Public)
Attachment 9	MISO Day 2 Charges – MN Share
Attachment 10	MISO Day 2 by Retail, Asset, NonAsset
Attachment 11	SPP Charges
Attachment 12	Generation Maintenance Expense
Attachment 13	Plant Forced Outage (Not Public)
Attachment 14	Wind Curtailment (Not Public)
Attachment 15-18	MISO ASM Charges
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**

Line No.	(A) Month	(B) MN FCA Revenue	(C) True-up Rate	(D) Subtract Last Year's True-up (C)*(H)	(E) Refund of Q1 2020 Tracker Balance in Q3 2020 True-up Rate	(F) Refund of Q1 2020 Tracker Balance in Q3 2020 (E)*(H)	(G) Net FCA Revenue (B)-(D)-(F)	(H) MN kWh Sales Subject to COE	(I) Total System Energy Cost	(J) 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	<b>Totals</b>	<b>(\$2,056,044)</b>		<b>(\$969,086)</b>		<b>(\$3,295,635)</b>	<b>\$2,208,677</b>	<b>2,422,847,336</b>	<b>\$97,122,863</b>	<b>4,782,786,157</b>
14	KWH subject to COE			2,422,847,336						
15	Recovery from FCA			\$2,208,677						
16	Recovery from base cost (1)			\$59,728,033						
17	Total adjusted recovery (2)			\$61,936,710						
18	Actual energy cost (3)			\$49,200,166						
19	<b>Over/(under) recovery (4)</b>			<b>\$12,736,544</b>						
20	Q1 2020 tracker balance refund (6)			(\$3,295,635)						
21	<b>Q2/Q3 2020 track balance refunded in Q1/Q2 2021 (7)</b>			<b>(\$8,383,674)</b>						
22	<b>Plus over collection from prior year (8)</b>			<b>\$188,910</b>						
23	<b>Refund to Customers</b>			<b>\$1,246,144</b>						
24	<b>Forecasted kWh Sept. 2021 - Aug. 2022 (9)</b>			2,685,989,496						
25	<b>Annual True-up Factor (10)</b>			<b>\$0.0005</b>						
26	<b>Base cost = \$0.024652</b>			November 2017 to present						

- (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

% of MN sales (subject to FCA) to system	50.6577%
Energy costs allocated to MN for sales subject to FCA	\$49,200,166

Minnesota COE Calculation

FORECASTED COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Rate Effective month	January-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	<b>Fuel Costs and Purchase Power for System Use</b>	<b>\$14,502,885</b>	<b>\$12,634,626</b>	<b>\$11,496,469</b>	<b>\$10,256,151</b>	<b>\$9,187,126</b>	<b>\$8,963,352</b>	<b>\$10,600,494</b>	<b>\$10,565,657</b>	<b>\$9,515,539</b>	<b>\$9,922,678</b>	<b>\$9,982,342</b>	<b>\$11,794,063</b>	<b>\$129,421,381</b>
11	<b>Energy for System Use (kWh)</b>	<b>516,145,946</b>	<b>461,351,280</b>	<b>447,936,557</b>	<b>392,321,425</b>	<b>365,688,288</b>	<b>360,590,709</b>	<b>393,002,979</b>	<b>390,291,493</b>	<b>372,297,486</b>	<b>396,746,982</b>	<b>440,853,742</b>	<b>494,999,959</b>	<b>5,032,226,845</b>
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	0.024652
14	<b>EAR Rate Approved October 2019</b>	<b>0.003446</b>	<b>0.002734</b>	<b>0.001013</b>	<b>0.001490</b>	<b>0.000471</b>	<b>0.000205</b>	<b>0.002321</b>	<b>0.002419</b>	<b>0.000907</b>	<b>0.000358</b>	<b>(0.002009)</b>	<b>(0.000826)</b>	
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	<b>EAR Rate With Approved True Up and Q1 Refund</b>	<b>0.003446</b>	<b>0.002734</b>	<b>0.000513</b>	<b>0.000990</b>	<b>(0.000029)</b>	<b>(0.000295)</b>	<b>(0.003879)</b>	<b>(0.003781)</b>	<b>(0.005293)</b>	<b>(0.000142)</b>	<b>(0.002509)</b>	<b>(0.001326)</b>	

ACTUAL COSTS

Line No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
18	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
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	\$ 4,805,270	\$ 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)	\$ 4,930,754	\$ 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	<b>Fuel Costs and Purchase Power for System Use</b>	<b>\$9,332,364</b>	<b>\$10,452,068</b>	<b>\$10,372,001</b>	<b>\$7,824,207</b>	<b>\$5,870,251</b>	<b>\$6,575,321</b>	<b>\$8,308,216</b>	<b>\$7,865,824</b>	<b>\$5,801,508</b>	<b>\$7,697,716</b>	<b>\$7,330,897</b>	<b>\$9,692,490</b>	<b>\$97,122,862</b>
28	<b>Energy for System Use (kWh)</b>	<b>525,803,882</b>	<b>485,700,007</b>	<b>447,004,344</b>	<b>424,301,304</b>	<b>342,631,227</b>	<b>318,787,814</b>	<b>377,629,725</b>	<b>370,769,899</b>	<b>348,118,753</b>	<b>340,535,416</b>	<b>381,354,135</b>	<b>420,149,651</b>	<b>4,782,786,157</b>
29	<b>Actual Cost per kWh</b>	<b>0.017749</b>	<b>0.021520</b>	<b>0.023203</b>	<b>0.018440</b>	<b>0.017133</b>	<b>0.020626</b>	<b>0.022001</b>	<b>0.021215</b>	<b>0.016665</b>	<b>0.022605</b>	<b>0.019223</b>	<b>0.023069</b>	<b>0.020307</b>

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

January 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	January 2020 Forecast	January 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
		[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 5,178,090	\$ 4,679,689	\$ (498,401)	-9.63%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 18,327	\$ (8,973)	-32.87%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 59,600	\$ 107,254	\$ 47,654	79.96%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 5,264,990	\$ 4,805,270	\$ (459,720)	-8.73%
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 DA Asset Energy Amount***	\$ -	\$ -	\$ -		0.00%
39	555.04 DA FBT Loss Amount	\$ -	\$ -	\$ -		0.00%
40	555.09 DA Non-asset Energy Amount***	\$ -	\$ -	\$ -		0.00%
41	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -		0.00%
42	555.24 RT Distribution of Losses Amount	\$ (209,097)	\$ (131,734)	\$ 77,363		-37.00%
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -		0.00%
44	555.12 DA Loss Amount	\$ 550,165	\$ 346,189	\$ (203,976)		-37.08%
45	555.32 RT Loss Amount	\$ 32,179	\$ 6,338	\$ (25,841)		-80.30%
46	555.26 RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -		0.00%
47	555.08 DA Losses Rebate on Option B GFA	\$ -	\$ -	\$ -		0.00%
48	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -		0.00%
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -		0.00%
50	555.01 DA Mkt Admin Amount	\$ 59,283	\$ 74,927	\$ 15,643		26.39%
51	555.18 RT Mkt Admin Amount	\$ 6,074	\$ 8,128	\$ 2,114		35.14%
52	555.13 FTR Mkt Admin Amount	\$ 1,659	\$ 2,189	\$ 530		31.97%
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -		0.00%
54	555.03 DA Congestion	\$ 155,056	\$ (35,029)	\$ (190,085)		-122.59%
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -		0.00%
56	555.14 FTR Hourly Allocation Amount	\$ 14,805	\$ (5,140)	\$ (19,945)		-134.72%
57	555.15 FTR Monthly Allocation Amount	\$ (204,631)	\$ (182,398)	\$ 22,233		-10.86%
58	555.15 FTR Yearly Allocation Amount	\$ (13,949)	\$ (13,955)	\$ (6)		0.04%
59	555.17 FTR Monthly Transaction Amount	\$ (3,835)	\$ (1,197)	\$ 2,638		-68.78%
60	555.35 FTR Full Funding Guarantee Amount	\$ (9,614)	\$ -	\$ 9,614		-100.00%
61	555.36 FTR Guarantee Uplift Amount	\$ 11,096	\$ (4,427)	\$ (15,523)		-139.90%
62	555.37 FTR Auction Revenue Rights Transaction Amount	\$ (8,670)	\$ 11,779	\$ 20,448		-235.86%
63	555.39 FTR Annual Transaction Amount	\$ (164,322)	\$ (246,272)	\$ (81,950)		49.87%
64	555.38 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 164,375	\$ 246,048	\$ 81,674		49.69%
65	555.40 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 4,134	\$ 4,623	\$ 490		11.84%
66	555.41 DA Congestion Rebate on Option B GFA	\$ (29,503)	\$ (31,268)	\$ (1,765)		5.98%
67	555.07 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ -	\$ -		0.00%
68	555.10 DA Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 16,344	\$ 8,141	\$ (8,203)		-50.19%
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (548)	\$ (1,339)	\$ (793)		145.12%
70	555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 30,713	\$ 4,224	\$ (26,489)		-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%
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 32,965	\$ (27,323)		-45.32%
74	555.25 RT Misc Amount	\$ 18,489	\$ 74	\$ (18,415)		-99.60%
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ 3,681	\$ 1,139		44.79%
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -		0.00%
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 0	\$ -	\$ (0)		-100.00%
78	555.63 DA Ramp Product	\$ (1,070)	\$ (1,443)	\$ (373)		34.84%
79	555.64 RT Ramp Product	\$ (97)	\$ (84)	\$ 13		-12.96%
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 18,535	\$ 18,535		0.00%
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -		0.00%
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -		0.00%
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -		0.00%

84	555.06	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 Schedul	\$ -	\$ 5,243	\$ 5,243	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 366,981</b>	<b>\$ 25,269</b>	<b>\$ (341,712)</b>	<b>-93.11%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 18	\$ (125)	-87.56%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 2	\$ (83)	-97.12%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 1	\$ (9)	-90.53%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 2	\$ (11)	-87.37%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 3	\$ (15)	-84.85%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ -	\$ (2)	-100.00%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (12,587)	\$ (10,634)	\$ 1,953	-15.52%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (29,140)	\$ (18,442)	\$ 10,698	-36.71%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (19,074)	\$ (10,358)	\$ 8,716	-45.69%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ (60)	\$ (50)	483.58%	
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	\$ 1	-337.67%	
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		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (60,529)</b>	<b>\$ (39,467)</b>	<b>\$ 21,061</b>	<b>-34.80%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (27,618)	\$ (68,516)	\$ (40,898)	148.08%	
123		Real Time Regulation Amount	\$ (5,647)	\$ 23,573	\$ 29,220	-517.47%	
124		Regulation Cost Distribution Amount	\$ 19,485	\$ 13,787	\$ (5,698)	-29.24%	
125		Day Ahead Spinning Reserve Amount	\$ (19,844)	\$ (14,916)	\$ 4,928	-24.83%	
126		Real Time Spinning Reserve Amount	\$ (5,372)	\$ (7,775)	\$ (2,403)	44.74%	
127		Spinning Reserve Cost Distribution Amount	\$ 18,585	\$ 7,927	\$ (10,658)	-57.35%	
128		Day Ahead Supplemental Reserve Amount	\$ (1,200)	\$ (1,895)	\$ (694)	57.85%	
129		Real Time Supplemental Reserve Amount	\$ 659	\$ 1,052	\$ 393	59.59%	
130		Supplemental Reserve Cost Distribution Amount	\$ 6,096	\$ 2,155	\$ (3,941)	-64.64%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 1,478	\$ (439)	-22.91%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 5,480	\$ 4,355	386.89%	
134		<b>Total MISO ASM</b>	<b>\$ (11,011)</b>	<b>\$ (37,649)</b>	<b>\$ (26,638)</b>	<b>241.91%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 295,441</b>	<b>\$ (51,848)</b>	<b>\$ (347,289)</b>	<b>-117.55%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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
150							...PROTECTED DATA ENDS]
151		<b>Total Purchases</b>	<b>\$ 8,928,100</b>	<b>\$ 4,930,754</b>	<b>\$ (3,997,346)</b>	<b>-44.77%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 14,354</b>	<b>\$ -</b>	<b>\$ (14,354)</b>	<b>-100.00%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ -</b>	<b>\$ 351,812</b>	<b>\$ 351,812</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -	\$ 322,330	\$ 322,330	0.00%	
157		Asset Based Margins	\$ -	\$ 29,482	\$ 29,482	0.00%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 14,502,885</b>	<b>\$ 9,332,364</b>	<b>\$ (5,170,520)</b>	<b>-35.65%</b>	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

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



January 2020 Forecast to Actual - MWh						
Line	Plant Generation	January 2020 Forecast	January 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6						
7		<b>Total Coal</b>	238,600	214,746	(23,854)	-10.00%
8	Langdon Wind	[PROTECTED DATA BEGINS...]				
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		<b>Total Wind</b>	47,700	38,481	(9,219)	-19.33%
14						
15		<b>Total Hydro</b>	1,600	2,026	426	26.65%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		<b>Total Oil - Peaking Units</b>	1,200	2	(1,198)	-99.84%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		<b>Total Natural Gas</b>	1,800	5,497	3,697	205.38%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		<b>Total Solar</b>	-	-	-	0.00%
33						
34		<b>Total OTP-Owned</b>	290,900	260,753	(30,147)	-10.36%
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 DA Asset Energy Amount***	N/A	N/A	N/A	N/A	N/A
39	555.04 DA FBT Loss Amount	N/A	N/A	N/A	N/A	N/A
40	555.09 DA Non-asset Energy Amount***	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	N/A
42	555.24 RT Distribution of Losses Amount	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	N/A
44	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	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	N/A
48	555.12 DA Virtual Energy Amount	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	N/A
50	555.01 DA Mkt Admin Amount	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	N/A
52	555.13 FTR Mkt Admin Amount	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	N/A
54	DA Congestion	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	N/A
56	RT Congestion	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	N/A
58	555.15 FTR Monthly Allocation Amount	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	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	N/A
62	555.37 FTR Guarantee Uplift Amount	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 Annual Transaction Amount	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
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution 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	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 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	N/A	N/A	N/A
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	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
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	N/A
82	555.56 RT ASM Excessive Energy Amount***	N/A	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

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 Schedule	N/A	N/A	N/A	N/A	
88							
89		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141							
142		Edgeley PPA					
143		Langdon PPA					
144		Ashtabula III PPA					
145		Tribal (WAPA)					Not Applicable to EAR - Excluded from Total
146		WAPA Energy Imbalance					
147		Shared Loads					
148		Small Co-gen					
149		Bilateral purchases					
150		Market Purchases					MISO and SPP Energy Only
151							
152		<b>Total Purchases</b>	<b>255,100</b>	<b>203,144</b>	<b>(51,956)</b>	<b>-20.37%</b>	Tribal (WAPA) excluded from Total
153		<b>Wind Curtailment</b>	-	-	-	<b>0.00%</b>	Other Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	-	<b>14,342</b>	<b>14,342</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>546,000</b>	<b>449,555</b>	<b>(96,445)</b>	<b>-17.66%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

January 2020 Forecast to Actual - \$ per MWh					
Line	Plant Generation	January 2020 Forecast	January 2020 Actual		Notes
		[PROTECTED DATA BEGINS...]	[PROTECTED DATA BEGINS...]		
1	Big Stone				
2	Coyote				
3	Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3				
5					...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	<b>\$ 21.70</b>	<b>\$ 21.79</b>	
7		[PROTECTED DATA BEGINS...]			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				Merricourt does not come into service until 2020
12					...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	<b>\$ -</b>	<b>\$ -</b>	
14					
15		<b>Total Hydro</b>	<b>\$ -</b>	<b>\$ -</b>	
16		[PROTECTED DATA BEGINS...]			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21					...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	<b>\$ 22.75</b>	<b>\$ 9,322.18</b>	
23		[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway				
25	Natural gas - Astoria				Astoria Station does not come into service until 2020
26					...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	<b>\$ 33.11</b>	<b>\$ 19.51</b>	
28		[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31					...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	<b>\$ -</b>	<b>\$ -</b>	
33					
34		<b>Total OTP-Owned</b>	<b>\$ 77.56</b>	<b>\$ 9,363.49</b>	
35					
36	<b>Wholesale Market Charges</b>				
37	<b>MISO Wholesale Market Charges</b>				
38	555.02 DA Asset Energy Amount***		N/A	N/A	
39	555.04 DA FBT Loss Amount		N/A	N/A	
40	555.08 DA Non-asset Energy Amount***		N/A	N/A	
41	555.19 RT Asset Energy Amount***		N/A	N/A	
42	555.24 RT Distribution of Losses Amount		N/A	N/A	
43	555.21 RT FBT Loss Amount		N/A	N/A	
44	DA Loss Amount		N/A	N/A	
45	RT Loss Amount		N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A	
48	555.12 DA Virtual Energy Amount		N/A	N/A	
49	555.32 RT Virtual Energy Amount		N/A	N/A	
50	555.01 DA Mkt Admin Amount		N/A	N/A	
51	555.18 RT Mkt Admin Amount		N/A	N/A	
52	555.13 FTR Mkt Admin Amount		N/A	N/A	
53	555.03 DA FBT Congestion Amount		N/A	N/A	
54	DA Congestion		N/A	N/A	
55	555.2 RT FBT Congestion Amount		N/A	N/A	
56	RT Congestion		N/A	N/A	
57	555.14 FTR Hourly Allocation Amount		N/A	N/A	
58	555.15 FTR Monthly Allocation Amount		N/A	N/A	
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A	
64	555.38 FTR Annual Transaction Amount		N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A	
74	555.25 RT Misc Amount		N/A	N/A	
75	555.27 RT Net Inadvertent Amount		N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A	
78	555.63 DA Ramp Product		N/A	N/A	
79	555.64 RT Ramp Product		N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A	
83	555.05 DA Congestion Rebate on COGA		N/A	N/A	
84	555.06 DA Losses Rebate on COGA		N/A	N/A	

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount**		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
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 DATA ENDS]			
151		<b>Total Purchases</b>	\$ 35.00	\$ 24.27		Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>	N/A	N/A		
154						
155		<b>Asset Based Sales</b>	N/A	\$ 24.53		
156		Fuel Costs	N/A	N/A		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins	N/A	N/A		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>	\$ 26.56	\$ 20.76		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

February 2020 Forecast to Actual - Expense (Revenue)							
Line	Plant Generation	February 2020 Forecast	February 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes	
1	Big Stone	[PROTECTED DATA]	BEGINS...				
2	Coyote						
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3						
5							
6		Total Coal	\$ 4,755,922	\$ 4,505,308	\$ (250,614)	-5.27%	
7		[PROTECTED DATA]	BEGINS...				
8	Langdon Wind						
9	Ashtabula Wind						
10	Luverne Wind						
11	Merricourt					Merricourt does not come into service until 2020	
12							
13		Total Wind	\$ -	\$ -	\$ -	0.00%	
14							
15		Total Hydro	\$ -	\$ -	\$ -	0.00%	
16		[PROTECTED DATA]	BEGINS...				
17	Jamestown 1						
18	Jamestown 2						
19	Lake Preston						
20	Fergus Control Center						
21							
22		Total Oil - Peaking Units	\$ 27,300	\$ 17,831	\$ (9,469)	-34.69%	
23		[PROTECTED DATA]	BEGINS...				
24	Natural gas - Solway						
25	Natural gas - Astoria					Astoria Station does not come into service until 2020	
26							
27		Total Natural Gas	\$ 47,400	\$ 106,195	\$ 58,795	124.04%	
28		[PROTECTED DATA]	BEGINS...				
29	Solar - Blue Jay						
30	Solar - Blue Heron						
31							
32		Total Solar	\$ -	\$ -	\$ -	0.00%	
33							
34		Total OTP-Owned	\$ 4,830,622	\$ 4,629,333	\$ (201,289)	-4.17%	
35							
36	<b>Wholesale Market Charges</b>						
37	<b>MISO Wholesale Market Charges</b>						
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	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24	RT Distribution of Losses Amount	\$ (186,888)	\$ (123,600)	\$ 63,288	-33.86%	
43	555.21	RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44		DA Loss Amount	\$ 491,730	\$ 340,579	\$ (151,150)	-30.74%	
45		RT Loss Amount	\$ 28,761	\$ 17,133	\$ (11,628)	-40.43%	
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	555.12	DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	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	\$ 4,784	\$ 4,524	\$ 260	5.45%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13	FTR Mkt Admin Amount	\$ 1,421	\$ 2,038	\$ 617	43.44%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03	DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54		DA Congestion	\$ 138,587	\$ 202,600	\$ 64,013	46.19%	
55	555.20	RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56		RT Congestion	\$ 13,233	\$ (12,292)	\$ (25,525)	-192.89%	
57	555.14	FTR Hourly Allocation Amount	\$ (182,897)	\$ (359,918)	\$ (177,021)	96.79%	
58	555.15	FTR Monthly Allocation Amount	\$ (12,468)	\$ (13,675)	\$ (1,207)	9.68%	
59	555.17	FTR Yearly Allocation Amount	\$ (3,428)	\$ (0)	\$ 3,427	-100.00%	
60	555.35	FTR Monthly Transaction Amount	\$ (8,593)	\$ -	\$ 8,593	-100.00%	
61	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	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (164,322)	\$ (246,272)	\$ (81,950)	49.87%	
64	555.38	FTR Annual Transaction Amount	\$ 164,375	\$ 246,048	\$ 81,674	49.69%	
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,133	\$ 4,623	\$ 490	11.86%	
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (29,717)	\$ (31,268)	\$ (1,551)	5.22%	
67	555.07	DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 12,481	\$ 5,267	\$ (7,214)	-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	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)	\$ (10,013)	\$ 11,075	-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	555.27	RT Net Inadvertent Amount	\$ 2,543	\$ 3,491	\$ 948	37.28%	
76	555.31	RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59	RT Demand Response Allocation Uplift Amount	\$ -	\$ -	\$ -	0.00%	
78	555.63	DA Ramp Product	\$ (479)	\$ (1,476)	\$ (997)	208.11%	
79	555.64	RT Ramp Product	\$ 98	\$ (121)	\$ (219)	-222.70%	
80	555.65	RT Schedule 49 Cost Distribution Amount	\$ -	\$ 26,580	\$ 26,580	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05	DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 5,063	\$ 5,063	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 330,235</b>	<b>\$ 78,685</b>	<b>\$ (251,550)</b>	<b>-76.17%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 10	\$ (133)	-93.08%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 1	\$ (84)	-98.88%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 0	\$ (10)	-95.41%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 1	\$ (12)	-92.95%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 3	\$ (15)	-85.41%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ -	\$ (2)	-100.00%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (11,250)	\$ (8,733)	\$ 2,517	-22.37%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (26,045)	\$ (33,459)	\$ (7,414)	28.47%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (17,048)	\$ (8,699)	\$ 8,349	-48.97%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ -	\$ 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		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (54,071)</b>	<b>\$ (50,875)</b>	<b>\$ 3,196</b>	<b>-5.91%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (25,761)	\$ (67,379)	\$ (41,618)	161.55%	
123		Real Time Regulation Amount	\$ 4,357	\$ 21,976	\$ 17,619	404.39%	
124		Regulation Cost Distribution Amount	\$ 15,429	\$ 14,882	\$ (547)	-3.55%	
125		Day Ahead Spinning Reserve Amount	\$ (13,585)	\$ (12,143)	\$ 1,451	-10.68%	
126		Real Time Spinning Reserve Amount	\$ 1,568	\$ 1,515	\$ (53)	-3.36%	
127		Spinning Reserve Cost Distribution Amount	\$ 15,452	\$ 8,688	\$ (6,764)	-43.77%	
128		Day Ahead Supplemental Reserve Amount	\$ (2,837)	\$ (5,636)	\$ (2,799)	98.64%	
129		Real Time Supplemental Reserve Amount	\$ 2,232	\$ 3,780	\$ 1,548	69.38%	
130		Supplemental Reserve Cost Distribution Amount	\$ 3,981	\$ 1,578	\$ (2,403)	-60.37%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 2,377	\$ 459	23.94%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 1,151	\$ 26	2.27%	
134		<b>Total MISO ASM</b>	<b>\$ 4,670</b>	<b>\$ (29,212)</b>	<b>\$ (33,881)</b>	<b>-725.57%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 280,833</b>	<b>\$ (1,402)</b>	<b>\$ (282,235)</b>	<b>-100.50%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 7,515,900</b>	<b>\$ 6,001,692</b>	<b>\$ (1,514,208)</b>	<b>-20.15%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 7,271</b>	<b>\$ 953</b>	<b>\$ (6,318)</b>	<b>-86.90%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ -</b>	<b>\$ 178,508</b>	<b>\$ 178,508</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -	\$ 203,193	\$ 203,193	0.00%	
157		Asset Based Margins	\$ -	\$ (24,685)	\$ (24,685)	0.00%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 12,634,626</b>	<b>\$ 10,452,068</b>	<b>\$ (2,182,558)</b>	<b>-17.27%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

February 2020 Forecast to Actual - MWh						
Line	Plant Generation	February 2020 Forecast	February 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>214,400</b>	<b>199,096</b>	<b>(15,304)</b>	<b>-7.14%</b>	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>41,500</b>	<b>43,877</b>	<b>2,377</b>	<b>5.73%</b>	
14						
15	<b>Total Hydro</b>	<b>1,500</b>	<b>1,897</b>	<b>397</b>	<b>26.50%</b>	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>900</b>	<b>-</b>	<b>(900)</b>	<b>-100.00%</b>	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>1,400</b>	<b>5,863</b>	<b>4,463</b>	<b>318.82%</b>	
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>259,700</b>	<b>250,734</b>	<b>(8,966)</b>	<b>-3.45%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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 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	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	555.23	RT Loss Rebate on COGA	N/A	N/A	N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Scheduling	N/A	N/A	N/A	N/A	
88							
89		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>227,900</b>	<b>229,195</b>	<b>1,295</b>	<b>0.57%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>32</b>	<b>32</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>-</b>	<b>10,086</b>	<b>10,086</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>487,600</b>	<b>469,875</b>	<b>(17,725)</b>	<b>-3.64%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total



Line	Plant Generation	February 2020 Forecast to Actual - \$ per MWh		Notes
		February 2020 Forecast	February 2020 Actual	
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 22.48   \$ 22.63	
7			[PROTECTED DATA BEGINS...]	
8	Langdon Wind			
9	Ashabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -   \$ -	
14				
15		<b>Total Hydro</b>	\$ -   \$ -	
16			[PROTECTED DATA BEGINS...]	
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 30.33   \$ -	
23			[PROTECTED DATA BEGINS...]	
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 33.86   \$ 18.11	
28			[PROTECTED DATA BEGINS...]	
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -   \$ -	
33				
34		<b>Total OTP-Owned</b>	\$ 86.37   \$ 40.74	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02	DA Asset Energy Amount***	N/A	N/A
39	555.04	DA FBT Loss Amount	N/A	N/A
40	555.08	DA Non-asset Energy Amount***	N/A	N/A
41	555.19	RT Asset Energy Amount***	N/A	N/A
42	555.24	RT Distribution of Losses Amount	N/A	N/A
43	555.21	RT FBT Loss Amount	N/A	N/A
44		DA Loss Amount	N/A	N/A
45		RT Loss Amount	N/A	N/A
46	555.26	RT Non-Asset Energy Amount***	N/A	N/A
47	555.08	DA Losses Rebate on Option B GFA	N/A	N/A
48	555.12	DA Virtual Energy Amount	N/A	N/A
49	555.32	RT Virtual Energy Amount	N/A	N/A
50	555.01	DA Mkt Admin Amount	N/A	N/A
51	555.18	RT Mkt Admin Amount	N/A	N/A
52	555.13	FTR Mkt Admin Amount	N/A	N/A
53	555.03	DA FBT Congestion Amount	N/A	N/A
54		DA Congestion	N/A	N/A
55	555.2	RT FBT Congestion Amount	N/A	N/A
56		RT Congestion	N/A	N/A
57	555.14	FTR Hourly Allocation Amount	N/A	N/A
58	555.15	FTR Monthly Allocation Amount	N/A	N/A
59	555.17	FTR Yearly Allocation Amount	N/A	N/A
60	555.35	FTR Monthly Transaction Amount	N/A	N/A
61	555.36	FTR Full Funding Guarantee Amount	N/A	N/A
62	555.37	FTR Guarantee Uplift Amount	N/A	N/A
63	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A
64	555.38	FTR Annual Transaction Amount	N/A	N/A
65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A
66	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A
67	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A
68	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A
69	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A
70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A
71	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A
72	555.42	RT Price Volatility Make Whole Payment	N/A	N/A
73	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A
74	555.25	RT Misc Amount	N/A	N/A
75	555.27	RT Net Inadvertent Amount	N/A	N/A
76	555.31	RT Uninstructed Deviation Amount	N/A	N/A
77	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A
78	555.63	DA Ramp Product	N/A	N/A
79	555.64	RT Ramp Product	N/A	N/A
80	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A
81	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A
82	555.56	RT ASM Excessive Energy Amount***	N/A	N/A
83	555.05	DA Congestion Rebate on COGA	N/A	N/A
84	555.06	DA Losses Rebate on COGA	N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedu		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount**		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount**		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashland 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						
151		<b>Total Purchases</b>		<b>\$ 32.98</b>	<b>\$ 26.19</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>\$ 29.81</b>	
154						
155		<b>Asset Based Sales</b>		<b>N/A</b>	<b>\$ 17.70</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>\$ 25.91</b>	<b>\$ 22.24</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

March 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	March 2020 Forecast	March 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 4,689,328	\$ 4,229,998	\$ (459,330)	-9.80%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 9,603	\$ (17,697)	-64.82%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 26,500	\$ 60,787	\$ 34,287	129.38%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 4,743,128	\$ 4,300,388	\$ (442,740)	-9.33%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (181,441)	\$ (87,934)	\$ 93,507	-51.54%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 477,397	\$ 389,340	\$ (88,057)	-18.45%	
45	RT Loss Amount	\$ 27,923	\$ 9,593	\$ (18,330)	-65.64%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 68,084	\$ 55,793	\$ (12,291)	-18.05%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 5,854	\$ 4,778	\$ (1,076)	-28.63%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,526	\$ 3,710	\$ 2,184	143.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 134,548	\$ 158,683	\$ 24,135	17.94%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 12,847	\$ 10,914	\$ (1,933)	-15.05%	
57	555.14 FTR Hourly Allocation Amount	\$ (177,566)	\$ (210,191)	\$ (32,625)	18.37%	
58	555.15 FTR Monthly Allocation Amount	\$ (12,104)	\$ (12,360)	\$ (256)	2.11%	
59	555.17 FTR Yearly Allocation Amount	\$ (3,328)	\$ -	\$ 3,328	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (8,343)	\$ -	\$ 8,343	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 335	\$ 3,162	\$ 2,827	844.41%	
62	555.37 FTR Guarantee Uplift Amount	\$ (283)	\$ (3,162)	\$ (2,879)	1017.43%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (191,541)	\$ (234,100)	\$ (42,559)	22.22%	
64	555.38 FTR Annual Transaction Amount	\$ 191,541	\$ 234,045	\$ 42,505	22.19%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,288	\$ 2,769	\$ (1,500)	-35.13%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (15,954)	\$ (24,439)	\$ (8,485)	53.18%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 12,565	\$ 6,593	\$ (5,972)	-47.53%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (651)	\$ (0)	\$ 651	-99.97%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 3,052	\$ (27,661)	-90.06%	
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)	\$ (5,118)	\$ 15,970	-75.73%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 30,389	\$ (29,899)	-49.59%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 2	\$ (18,486)	-99.99%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ 16,039	\$ 13,496	530.80%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ -	\$ -	0.00%	
78	555.63 DA Ramp Product	\$ (1,413)	\$ (1,045)	\$ 369	-26.09%	
79	555.64 RT Ramp Product	\$ 202	\$ 277	\$ 75	37.10%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 30,559	\$ 30,559	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 333,164</b>	<b>\$ 313,989</b>	<b>\$ (19,175)</b>	<b>-5.76%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 277	\$ 135	94.40%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 1	\$ (84)	-98.71%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 74	\$ 64	636.55%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 92	\$ 79	609.27%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 91	\$ 73	410.56%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 6	\$ 4	211.27%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (10,922)	\$ (8,237)	\$ 2,685	-24.58%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (4)	\$ (3)	579.25%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (1)	\$ (1)	282.66%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (2)	\$ (1)	108.07%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0	-94.93%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (25,296)	\$ (83,878)	\$ (58,592)	231.72%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (16,551)	\$ (11,105)	\$ 5,446	-32.90%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ 19	\$ 29	-286.37%	
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)	\$ 37	\$ 37	-8677.09%	
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		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (52,487)</b>	<b>\$ (102,631)</b>	<b>\$ (50,144)</b>	<b>95.54%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (29,895)	\$ (67,442)	\$ (37,547)	125.59%	
123		Real Time Regulation Amount	\$ 2,466	\$ 22,748	\$ 20,282	822.39%	
124		Regulation Cost Distribution Amount	\$ 16,054	\$ 17,255	\$ 1,201	-7.48%	
125		Day Ahead Spinning Reserve Amount	\$ (17,737)	\$ (8,398)	\$ 9,342	-52.87%	
126		Real Time Spinning Reserve Amount	\$ 262	\$ (3,648)	\$ (3,909)	-1491.28%	
127		Spinning Reserve Cost Distribution Amount	\$ 17,145	\$ 9,203	\$ (7,942)	-46.32%	
128		Day Ahead Supplemental Reserve Amount	\$ (3,056)	\$ (8,118)	\$ (5,062)	165.61%	
129		Real Time Supplemental Reserve Amount	\$ 265	\$ 4,964	\$ 4,699	1770.70%	
130		Supplemental Reserve Cost Distribution Amount	\$ 4,194	\$ 1,826	\$ (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	\$ 1,563	\$ (355)	-18.49%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 3,497	\$ 2,371	210.66%	
134		<b>Total MISO ASM</b>	<b>\$ (6,457)</b>	<b>\$ (26,545)</b>	<b>\$ (20,088)</b>	<b>311.09%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 274,220</b>	<b>\$ 184,813</b>	<b>\$ (89,407)</b>	<b>-32.60%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 6,472,100</b>	<b>\$ 6,154,798</b>	<b>\$ (317,302)</b>	<b>-4.90%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 7,020</b>	<b>\$ 2,812</b>	<b>\$ (4,208)</b>	<b>-59.94%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ -</b>	<b>\$ 270,809</b>	<b>\$ 270,809</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -	\$ 236,331	\$ 236,331	0.00%	
157		Asset Based Margins	\$ -	\$ 34,478	\$ 34,478	0.00%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 11,496,469</b>	<b>\$ 10,372,002</b>	<b>\$ (1,124,467)</b>	<b>-9.78%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

March 2020 Forecast to Actual - MWh						
Line	Plant Generation	March 2020 Forecast	March 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>206,300</b>	<b>181,887</b>	<b>(24,413)</b>	<b>-11.83%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>41,300</b>	<b>43,146</b>	<b>1,846</b>	<b>4.47%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>2,107</b>	<b>507</b>	<b>31.70%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>400</b>	<b>1</b>	<b>(399)</b>	<b>-99.75%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>1,000</b>	<b>3,667</b>	<b>2,667</b>	<b>266.70%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>250,600</b>	<b>230,808</b>	<b>(19,792)</b>	<b>-7.90%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount		N/A	N/A	N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A	N/A	N/A
44	DA Loss Amount		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	555.08 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	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	555.18 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
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	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	N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	N/A	N/A
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	555.39 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	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 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 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	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	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	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
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>222,800</b>	<b>263,564</b>	<b>40,764</b>	<b>18.30%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	-	<b>94</b>	<b>94</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	-	<b>13,380</b>	<b>13,380</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>473,400</b>	<b>481,087</b>	<b>7,687</b>	<b>1.62%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

March 2020 Forecast to Actual - \$ per MWh					
Line	Plant Generation	March 2020 Forecast	March 2020 Actual		Notes
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3				
5					...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 22.75	\$ 23.26	
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				Merricourt does not come into service until 2020
12					...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -	\$ -	
14		[PROTECTED DATA BEGINS...			
15		<b>Total Hydro</b>	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21					...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 68.25	\$ 9,603.19	
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				Astoria Station does not come into service until 2020
26					...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 26.50	\$ 16.58	
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31					...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...			
34		<b>Total OTP-Owned</b>	\$ 117.48	\$ 9,643.02	
35		[PROTECTED DATA BEGINS...			
36	<b>Wholesale Market Charges</b>				
37	<b>MISO Wholesale Market Charges</b>				
38	555.02 DA Asset Energy Amount***		N/A	N/A	
39	555.04 DA FBT Loss Amount		N/A	N/A	
40	555.09 DA Non-asset Energy Amount***		N/A	N/A	
41	555.19 RT Asset Energy Amount***		N/A	N/A	
42	555.24 RT Distribution of Losses Amount		N/A	N/A	
43	555.21 RT FBT Loss Amount		N/A	N/A	
44	DA Loss Amount		N/A	N/A	
45	RT Loss Amount		N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A	
48	555.12 DA Virtual Energy Amount		N/A	N/A	
49	555.32 RT Virtual Energy Amount		N/A	N/A	
50	555.01 DA Mkt Admin Amount		N/A	N/A	
51	555.18 RT Mkt Admin Amount		N/A	N/A	
52	555.13 FTR Mkt Admin Amount		N/A	N/A	
53	555.03 DA FBT Congestion Amount		N/A	N/A	
54	DA Congestion		N/A	N/A	
55	555.2 RT FBT Congestion Amount		N/A	N/A	
56	RT Congestion		N/A	N/A	
57	555.14 FTR Hourly Allocation Amount		N/A	N/A	
58	555.15 FTR Monthly Allocation Amount		N/A	N/A	
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A	
64	555.38 FTR Annual Transaction Amount		N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A	
74	555.25 RT Misc Amount		N/A	N/A	
75	555.27 RT Net Inadvertent Amount		N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A	
78	555.63 DA Ramp Product		N/A	N/A	
79	555.64 RT Ramp Product		N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A	
83	555.05 DA Congestion Rebate on COGA		N/A	N/A	
84	555.06 DA Losses Rebate on COGA		N/A	N/A	

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						[PROTECTED DATA BEGINS...
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtribula 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 DATA ENDS]
151		<b>Total Purchases</b>	\$ 29.05	\$ 23.35		Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>	N/A	\$ 29.81		
154						
155		<b>Asset Based Sales</b>	N/A	\$ 20.24		
156		Fuel Costs	N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins	N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>	\$ 24.28	\$ 21.56		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total



April 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	April 2020 Forecast	April 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 2,979,133	\$ 3,872,874	\$ 893,741	30.00%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 5,718	\$ (21,582)	-79.06%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 63,700	\$ 58,513	\$ (5,187)	-8.14%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 3,070,133	\$ 3,937,105	\$ 866,972	28.24%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (158,775)	\$ (85,779)	\$ 72,995	-45.97%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 417,760	\$ 278,336	\$ (139,424)	-33.37%	
45	RT Loss Amount	\$ 24,435	\$ (2,457)	\$ (26,892)	-110.06%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 60,185	\$ 62,625	\$ 2,440	4.05%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 7,252	\$ 7,277	\$ 25	0.35%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,852	\$ 3,229	\$ 1,377	74.35%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 117,740	\$ 181,678	\$ 63,938	54.30%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 11,242	\$ (34,437)	\$ (45,679)	-406.32%	
57	555.14 FTR Hourly Allocation Amount	\$ (155,384)	\$ (195,587)	\$ (40,203)	25.87%	
58	555.15 FTR Monthly Allocation Amount	\$ (10,592)	\$ (8,590)	\$ 2,002	-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%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 27,656	\$ (14,643)	\$ (42,299)	-152.95%	
62	555.37 FTR Guarantee Uplift Amount	\$ (27,937)	\$ 14,643	\$ 42,580	-152.41%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (204,722)	\$ (234,100)	\$ (29,378)	14.35%	
64	555.38 FTR Annual Transaction Amount	\$ 204,725	\$ 234,045	\$ 29,321	14.32%	
65	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	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 13,897	\$ 6,772	\$ (7,125)	-51.27%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (975)	\$ (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	555.42 RT Price Volatility Make Whole Payment	\$ (21,088)	\$ (10,374)	\$ 10,714	-50.81%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 50,521	\$ (9,767)	-16.20%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 2,848	\$ (15,640)	-84.59%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ (8,620)	\$ (11,162)	-439.00%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ -	\$ -	0.00%	
78	555.63 DA Ramp Product	\$ (2,955)	\$ (514)	\$ 2,442	-82.62%	
79	555.64 RT Ramp Product	\$ 450	\$ (99)	\$ (550)	-122.08%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 10,385	\$ 10,385	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 1,414	\$ 1,414	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 291,810</b>	<b>\$ 102,283</b>	<b>\$ (189,526)</b>	<b>-64.95%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 30	\$ (112)	-78.66%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 7	\$ (78)	-91.27%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 4	\$ (6)	-61.61%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 4	\$ (8)	-65.29%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 7	\$ (11)	-63.49%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 0	\$ (2)	-91.85%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,558)	\$ (5,167)	\$ 4,391	-45.94%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (0)	\$ 1	-98.32%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-79.86%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1	-91.84%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (22,127)	\$ (90,951)	\$ (68,824)	311.04%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (14,483)	\$ (16,745)	\$ (2,262)	15.62%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ -	\$ 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)	\$ 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	\$ -	\$ -	\$ -	0.00%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (45,896)</b>	<b>\$ (112,808)</b>	<b>\$ (66,912)</b>	<b>145.79%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (17,726)	\$ (67,933)	\$ (50,207)	283.24%	
123		Real Time Regulation Amount	\$ (1,110)	\$ 18,500	\$ 19,610	-1766.98%	
124		Regulation Cost Distribution Amount	\$ 15,960	\$ 15,338	\$ (622)	-4.02%	
125		Day Ahead Spinning Reserve Amount	\$ (26,455)	\$ (7,532)	\$ 18,924	-71.53%	
126		Real Time Spinning Reserve Amount	\$ 4,727	\$ (4,310)	\$ (9,037)	-191.19%	
127		Spinning Reserve Cost Distribution Amount	\$ 19,951	\$ 8,990	\$ (11,001)	-55.03%	
128		Day Ahead Supplemental Reserve Amount	\$ -	\$ (6,588)	\$ (6,588)	0.00%	
129		Real Time Supplemental Reserve Amount	\$ -	\$ 2,005	\$ 2,005	0.00%	
130		Supplemental Reserve Cost Distribution Amount	\$ 4,075	\$ 1,383	\$ (2,692)	-66.06%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 1,638	\$ (279)	-14.56%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 619	\$ (506)	-44.97%	
134		<b>Total MISO ASM</b>	<b>\$ 3,327</b>	<b>\$ (37,889)</b>	<b>\$ (41,216)</b>	<b>-1238.90%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 249,240</b>	<b>\$ (48,413)</b>	<b>\$ (297,654)</b>	<b>-119.42%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 6,918,800</b>	<b>\$ 4,251,950</b>	<b>\$ (2,666,850)</b>	<b>-38.54%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 17,977</b>	<b>\$ (907)</b>	<b>\$ (18,884)</b>	<b>-105.05%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ -</b>	<b>\$ 315,528</b>	<b>\$ 315,528</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -	\$ 277,430	\$ 277,430	0.00%	
157		Asset Based Margins	\$ -	\$ 38,098	\$ 38,098	0.00%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 10,256,151</b>	<b>\$ 7,824,207</b>	<b>\$ (2,431,944)</b>	<b>-23.71%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

April 2020 Forecast to Actual - MWh						
Line	Plant Generation	April 2020 Forecast	April 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>129,600</b>	<b>165,074</b>	<b>35,474</b>	<b>27.37%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>43,300</b>	<b>33,198</b>	<b>(10,102)</b>	<b>-23.33%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>2,091</b>	<b>491</b>	<b>30.69%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>500</b>	<b>0</b>	<b>(500)</b>	<b>-100.00%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>2,800</b>	<b>3,030</b>	<b>230</b>	<b>8.21%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>177,800</b>	<b>203,392</b>	<b>25,592</b>	<b>14.39%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount		N/A	N/A	N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A	N/A	N/A
44	DA Loss Amount		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	555.08 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	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	555.18 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
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	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	N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	N/A	N/A
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	555.39 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	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 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 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	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	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	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
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>236,400</b>	<b>191,192</b>	<b>(45,208)</b>	<b>-19.12%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>(30)</b>	<b>(30)</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>-</b>	<b>16,822</b>	<b>16,822</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>414,200</b>	<b>377,732</b>	<b>(36,468)</b>	<b>-8.80%</b>	Tribal (WAPA) excluded from Total. Asset Based Sales subtracted from Total

April 2020 Forecast to Actual - \$ per MWh				
Line	Plant Generation	April 2020 Forecast	April 2020 Actual	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 22.95   \$ 23.46	
7		[PROTECTED DATA BEGINS...]		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -   \$ -	
14				
15		<b>Total Hydro</b>	\$ -   \$ -	
16		[PROTECTED DATA BEGINS...]		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 54.60   \$ 714,717.50	
23		[PROTECTED DATA BEGINS...]		
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 22.75   \$ 19.31	
28		[PROTECTED DATA BEGINS...]		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -   \$ -	
33				
34		<b>Total OTP-Owned</b>	\$ 100.34   \$ 714,760.27	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashabula 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						
151		<b>Total Purchases</b>		<b>29.27</b>	<b>22.24</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>29.81</b>	
154						
155		<b>Asset Based Sales</b>		<b>N/A</b>	<b>18.76</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>24.76</b>	<b>20.71</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

May 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	May 2020 Forecast	May 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 3,624,282	\$ 1,785,235	\$ (1,839,047)	-50.74%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 5,745	\$ (21,555)	-78.96%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 66,300	\$ 35,523	\$ (30,777)	-46.42%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 3,717,882	\$ 1,826,504	\$ (1,891,379)	-50.87%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (147,994)	\$ (69,981)	\$ 78,013	-52.71%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 389,395	\$ 155,417	\$ (233,977)	-60.09%	
45	RT Loss Amount	\$ 22,775	\$ (760)	\$ (23,536)	-103.34%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 52,001	\$ 45,758	\$ (6,243)	-12.01%	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	555.13 FTR Mkt Admin Amount	\$ 1,501	\$ 2,837	\$ 1,336	89.03%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 109,745	\$ 58,173	\$ (51,572)	-46.99%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 10,479	\$ (3,448)	\$ (13,927)	-132.91%	
57	555.14 FTR Hourly Allocation Amount	\$ (144,834)	\$ (127,399)	\$ 17,435	-12.04%	
58	555.15 FTR Monthly Allocation Amount	\$ (9,873)	\$ (20,194)	\$ (10,321)	104.54%	
59	555.17 FTR Yearly Allocation Amount	\$ (2,714)	\$ -	\$ 2,714	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (6,805)	\$ -	\$ 6,805	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (5,014)	\$ (16,716)	\$ (11,702)	233.40%	
62	555.37 FTR Guarantee Uplift Amount	\$ 4,475	\$ 15,481	\$ 11,005	245.91%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (204,722)	\$ (234,100)	\$ (29,378)	14.35%	
64	555.38 FTR Annual Transaction Amount	\$ 204,725	\$ 234,045	\$ 29,321	14.32%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 5,226	\$ 2,769	\$ (2,457)	-47.02%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (24,390)	\$ (24,439)	\$ (50)	0.20%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 10,821	\$ 6,340	\$ (4,481)	-41.41%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (3,251)	\$ (35)	\$ 3,217	-98.93%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 1,248	\$ (29,465)	-95.94%	
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)	\$ (7,647)	\$ 13,441	-63.74%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 12,789	\$ (47,498)	-78.79%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 12,896	\$ (5,593)	-30.25%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ (6,876)	\$ (9,419)	-370.42%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 1	\$ 1	0.00%	
78	555.63 DA Ramp Product	\$ (3,732)	\$ (238)	\$ 3,493	-93.61%	
79	555.64 RT Ramp Product	\$ (50)	\$ (14)	\$ 36	-72.17%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 9,438	\$ 9,438	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 2,035	\$ 2,035	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 268,427</b>	<b>\$ (1,215)</b>	<b>\$ (269,642)</b>	<b>-100.45%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 17	\$ (125)	-87.98%	
98	555.18	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	DA Regulation-Up Distribution Amount	\$ 13	\$ 4	\$ (9)	-70.09%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 6	\$ (12)	-68.41%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 0	\$ (2)	-97.96%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (8,909)	\$ (3,962)	\$ 4,947	-55.53%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-96.64%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (0)	\$ 1	-94.90%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (20,625)	\$ (95,533)	\$ (74,909)	363.20%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (13,500)	\$ (17,339)	\$ (3,839)	28.44%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ -	\$ 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)	\$ 3	\$ 3	-766.41%	
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)	\$ -	\$ 0	-100.00%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (42,761)</b>	<b>\$ (116,800)</b>	<b>\$ (74,039)</b>	<b>173.14%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (32,103)	\$ (27,532)	\$ 4,571	-14.24%	
123		Real Time Regulation Amount	\$ (5,398)	\$ 6,841	\$ 12,238	-226.74%	
124		Regulation Cost Distribution Amount	\$ 16,404	\$ 13,562	\$ (2,842)	-17.33%	
125		Day Ahead Spinning Reserve Amount	\$ (33,926)	\$ (4,522)	\$ 29,404	-86.67%	
126		Real Time Spinning Reserve Amount	\$ 5,789	\$ (215)	\$ (6,004)	-103.71%	
127		Spinning Reserve Cost Distribution Amount	\$ 21,868	\$ 10,115	\$ (11,753)	-53.74%	
128		Day Ahead Supplemental Reserve Amount	\$ -	\$ (6,131)	\$ (6,131)	0.00%	
129		Real Time Supplemental Reserve Amount	\$ -	\$ 1,701	\$ 1,701	0.00%	
130		Supplemental Reserve Cost Distribution Amount	\$ 8,085	\$ 1,174	\$ (6,910)	-85.47%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 1,004	\$ (913)	-47.62%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 650	\$ (476)	-42.25%	
134		<b>Total MISO ASM</b>	<b>\$ (15,437)</b>	<b>\$ (3,352)</b>	<b>\$ 12,084</b>	<b>-78.28%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 210,229</b>	<b>\$ (121,368)</b>	<b>\$ (331,596)</b>	<b>-157.73%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 5,185,000</b>	<b>\$ 4,258,505</b>	<b>\$ (926,495)</b>	<b>-17.87%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 74,015</b>	<b>\$ 8,495</b>	<b>\$ (65,520)</b>	<b>-88.52%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ -</b>	<b>\$ 101,884</b>	<b>\$ 101,884</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -	\$ 130,265	\$ 130,265	0.00%	
157		Asset Based Margins	\$ -	\$ (28,381)	\$ (28,381)	0.00%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 9,187,126</b>	<b>\$ 5,870,252</b>	<b>\$ (3,316,874)</b>	<b>-36.10%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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



May 2020 Forecast to Actual - MWh						
Line	Plant Generation	May 2020 Forecast	May 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>157,500</b>	<b>60,763</b>	<b>(96,737)</b>	<b>-61.42%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>46,300</b>	<b>36,717</b>	<b>(9,583)</b>	<b>-20.70%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>1,991</b>	<b>391</b>	<b>24.46%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>400</b>	<b>6</b>	<b>(394)</b>	<b>-98.51%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>3,100</b>	<b>2,082</b>	<b>(1,018)</b>	<b>-32.85%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>208,900</b>	<b>101,559</b>	<b>(107,341)</b>	<b>-51.38%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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 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	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>177,100</b>	<b>217,421</b>	<b>40,321</b>	<b>22.77%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	-	<b>285</b>	<b>285</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	-	<b>8,529</b>	<b>8,529</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>386,000</b>	<b>310,735</b>	<b>(75,265)</b>	<b>-19.50%</b>	Tribal (WAPA) excluded from Total. Asset Based Sales subtracted from Total

May 2020 Forecast to Actual - \$ per MWh				
Line	Plant Generation	May 2020		Notes
		Forecast	May 2020 Actual	
		[PROTECTED DATA BEGINS...		
1	Big Stone			
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		Total Coal	\$ 23.01   \$ 29.38	
7				[PROTECTED DATA BEGINS...
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		Total Wind	\$ -   \$ -	
14				
15		Total Hydro	\$ -   \$ -	
16				[PROTECTED DATA BEGINS...
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		Total Oil - Peaking Units	\$ 68.25   \$ 966.72	
23				[PROTECTED DATA BEGINS...
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		Total Natural Gas	\$ 21.39   \$ 17.07	
28				[PROTECTED DATA BEGINS...
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		Total Solar	\$ -   \$ -	
33				
34		Total OTP-Owned	\$ 112.65   \$ 1,013.17	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashabula 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						
151		<b>Total Purchases</b>		<b>29.28</b>	<b>19.59</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>29.81</b>	
154						
155		<b>Asset Based Sales</b>		<b>N/A</b>	<b>11.95</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>23.80</b>	<b>18.89</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

June 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	June 2020 Forecast	June 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 3,600,034	\$ 2,911,951	\$ (688,083)	-19.11%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 19,811	\$ (7,489)	-27.43%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 56,700	\$ 92,207	\$ 35,507	62.62%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 3,684,034	\$ 3,023,969	\$ (660,065)	-17.92%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (145,823)	\$ (79,570)	\$ 66,253	-45.43%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 383,681	\$ 157,032	\$ (226,649)	-59.07%	
45	RT Loss Amount	\$ 22,441	\$ 5,245	\$ (17,197)	-76.63%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 47,833	\$ 49,255	\$ 1,422	2.97%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 6,572	\$ 5,987	\$ (586)	-8.91%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,589	\$ 3,254	\$ 1,664	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	\$ (90,326)	\$ (198,461)	-183.53%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 10,325	\$ (98,012)	\$ (108,337)	-1049.27%	
57	555.14 FTR Hourly Allocation Amount	\$ (142,709)	\$ (653,569)	\$ (510,860)	-357.97%	
58	555.15 FTR Monthly Allocation Amount	\$ (9,728)	\$ (25,350)	\$ (15,622)	-160.59%	
59	555.17 FTR Yearly Allocation Amount	\$ (2,674)	\$ -	\$ 2,674	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (6,705)	\$ -	\$ 6,705	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 201	\$ (47,410)	\$ (47,611)	-23721.85%	
62	555.37 FTR Guarantee Uplift Amount	\$ (274)	\$ 48,882	\$ 49,156	-17935.65%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (218,878)	\$ (368,713)	\$ (149,835)	68.46%	
64	555.38 FTR Annual Transaction Amount	\$ 202,489	\$ 368,520	\$ 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	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,142	\$ 4,752	\$ (3,389)	-41.63%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (6,532)	\$ (27,176)	\$ (20,643)	316.01%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 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	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 78,266	\$ 17,979	29.82%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 65,731	\$ 47,242	255.52%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ 2,499	\$ (44)	-1.73%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ (0)	\$ (0)	0.00%	
78	555.63 DA Ramp Product	\$ (3,163)	\$ (732)	\$ 2,431	-76.86%	
79	555.64 RT Ramp Product	\$ 565	\$ 16	\$ (549)	-97.21%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 7,889	\$ 7,889	0.00%	RT Schedule 49 Cost Distribution is a new charge type as of 2020
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0.00%	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0.00%	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 40,461	\$ 40,461	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 236,915</b>	<b>\$ (663,769)</b>	<b>\$ (900,683)</b>	<b>-380.17%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 96	\$ (47)	-33.01%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	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	DA Regulation-Up Distribution Amount	\$ 13	\$ 26	\$ 13	101.14%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 30	\$ 12	65.94%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 10	\$ 8	418.62%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ (1)	\$ 0	-8.80%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (8,778)	\$ (4,448)	\$ 4,330	-49.33%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (2)	\$ (1)	213.63%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (1)	\$ (1)	168.53%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (2)	\$ (1)	81.56%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0	-79.70%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (0)	\$ (0)	700.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (20,322)	\$ (80,622)	\$ (60,300)	296.72%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (13,302)	\$ (17,837)	\$ (4,535)	34.09%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ (33)	\$ (23)	222.05%	
114	555.26	ARR Closeout Yearly Amount	\$ (97,826)	\$ (73,035)	\$ 24,791	-25.34%	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ -	\$ -	0.00%	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ (0)	\$ 16	\$ 17	-3909.71%	
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	\$ (131)	\$ -	\$ 131	-100.00%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (140,087)</b>	<b>\$ (175,779)</b>	<b>\$ (35,692)</b>	<b>25.48%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (28,997)	\$ (23,873)	\$ 5,124	-17.67%	
123		Real Time Regulation Amount	\$ (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)	\$ (9,625)	\$ 31,589	-76.16%	
126		Real Time Spinning Reserve Amount	\$ 10,659	\$ 1,225	\$ (9,434)	-88.51%	
127		Spinning Reserve Cost Distribution Amount	\$ 16,371	\$ 9,284	\$ (7,087)	-43.29%	
128		Day Ahead Supplemental Reserve Amount	\$ (2,230)	\$ (8,720)	\$ (6,490)	290.99%	
129		Real Time Supplemental Reserve Amount	\$ 63	\$ 3,032	\$ 2,969	4697.74%	
130		Supplemental Reserve Cost Distribution Amount	\$ 4,845	\$ 1,179	\$ (3,667)	-75.67%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 406	\$ (1,512)	-78.84%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 468	\$ (658)	-58.43%	
134		<b>Total MISO ASM</b>	<b>\$ (25,185)</b>	<b>\$ (12,448)</b>	<b>\$ 12,737</b>	<b>-50.57%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 71,643</b>	<b>\$ (851,996)</b>	<b>\$ (923,638)</b>	<b>-1289.23%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 5,274,600</b>	<b>\$ 4,629,708</b>	<b>\$ (644,892)</b>	<b>-12.23%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ (16,195)</b>	<b>\$ 31,393</b>	<b>\$ 47,589</b>	<b>-293.84%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 50,730</b>	<b>\$ 257,753</b>	<b>\$ 207,023</b>	<b>408.09%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ 44,306	\$ 256,601	\$ 212,295	479.16%	
157		Asset Based Margins	\$ 6,424	\$ 1,152	\$ (5,272)	-82.07%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 8,963,352</b>	<b>\$ 6,575,321</b>	<b>\$ (2,388,030)</b>	<b>-26.64%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

June 2020 Forecast to Actual - MWh						
Line	Plant Generation	June 2020 Forecast	June 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5					...PROTECTED DATA ENDS]	
6	<b>Total Coal</b>	151,900	101,671	(50,229)	-33.07%	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12					...PROTECTED DATA ENDS]	
13	<b>Total Wind</b>	34,000	34,995	995	2.93%	
14						
15	<b>Total Hydro</b>	1,600	1,973	373	23.33%	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21					...PROTECTED DATA ENDS]	
22	<b>Total Oil - Peaking Units</b>	500	40	(460)	-91.96%	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26					...PROTECTED DATA ENDS]	
27	<b>Total Natural Gas</b>	2,700	5,794	3,094	114.61%	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31					...PROTECTED DATA ENDS]	
32	<b>Total Solar</b>	-	-	-	0.00%	
33						
34	<b>Total OTP-Owned</b>	190,700	144,474	(46,226)	-24.24%	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02	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	555.06	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	555.24	RT Distribution of Losses Amount	N/A	N/A	N/A	N/A
43	555.21	RT FBT Loss Amount	N/A	N/A	N/A	N/A
44		DA Loss Amount	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	555.08	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	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	555.18	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
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		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	N/A	N/A
59	555.17	FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A
60	555.35	FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A
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	555.39	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	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 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 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	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	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	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
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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 DATA ENDS]
151		<b>Total Purchases</b>	<b>191,900</b>	<b>255,654</b>	<b>63,754</b>	<b>33.22%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>1,053</b>	<b>1,053</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>1,900</b>	<b>16,308</b>	<b>14,408</b>	<b>758.33%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>380,700</b>	<b>384,872</b>	<b>4,172</b>	<b>1.10%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total



June 2020 Forecast to Actual - \$ per MWh					
Line	Plant Generation	June 2020 Forecast	June 2020 Actual		Notes
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3				
5					...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 23.76	\$ 28.64	
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				Merricourt does not come into service until 2020
12					...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -	\$ -	
14		[PROTECTED DATA BEGINS...			
15		<b>Total Hydro</b>	\$ -	\$ -	
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21					...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 54.60	\$ 492.72	
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria				Astoria Station does not come into service until 2020
26					...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 21.00	\$ 15.91	
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31					...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -	\$ -	
33		[PROTECTED DATA BEGINS...			
34		<b>Total OTP-Owned</b>	\$ 99.30	\$ 537.27	
35		[PROTECTED DATA BEGINS...			
36	<b>Wholesale Market Charges</b>				
37	<b>MISO Wholesale Market Charges</b>				
38	555.02 DA Asset Energy Amount***		N/A	N/A	
39	555.04 DA FBT Loss Amount		N/A	N/A	
40	555.09 DA Non-asset Energy Amount***		N/A	N/A	
41	555.19 RT Asset Energy Amount***		N/A	N/A	
42	555.24 RT Distribution of Losses Amount		N/A	N/A	
43	555.21 RT FBT Loss Amount		N/A	N/A	
44	DA Loss Amount		N/A	N/A	
45	RT Loss Amount		N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A	
48	555.12 DA Virtual Energy Amount		N/A	N/A	
49	555.32 RT Virtual Energy Amount		N/A	N/A	
50	555.01 DA Mkt Admin Amount		N/A	N/A	
51	555.18 RT Mkt Admin Amount		N/A	N/A	
52	555.13 FTR Mkt Admin Amount		N/A	N/A	
53	555.03 DA FBT Congestion Amount		N/A	N/A	
54	DA Congestion		N/A	N/A	
55	555.2 RT FBT Congestion Amount		N/A	N/A	
56	RT Congestion		N/A	N/A	
57	555.14 FTR Hourly Allocation Amount		N/A	N/A	
58	555.15 FTR Monthly Allocation Amount		N/A	N/A	
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A	
64	555.38 FTR Annual Transaction Amount		N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A	
74	555.25 RT Misc Amount		N/A	N/A	
75	555.27 RT Net Inadvertent Amount		N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A	
78	555.63 DA Ramp Product		N/A	N/A	
79	555.64 RT Ramp Product		N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A	
83	555.05 DA Congestion Rebate on COGA		N/A	N/A	
84	555.06 DA Losses Rebate on COGA		N/A	N/A	

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtribula 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						
151		<b>Total Purchases</b>		<b>27.49</b>	<b>18.11</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>29.81</b>	
154						
155		<b>Asset Based Sales</b>		<b>26.70</b>	<b>15.81</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>23.54</b>	<b>17.08</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

July 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	July 2020 Forecast	July 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 4,159,787	\$ 4,505,047	\$ 345,260	8.30%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 54,795	\$ 27,495	100.71%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 80,200	\$ 169,678	\$ 89,478	111.57%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 4,267,287	\$ 4,729,520	\$ 462,233	10.83%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (159,003)	\$ (98,248)	\$ 60,755	-38.21%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 418,361	\$ 275,959	\$ (142,402)	-34.04%	
45	RT Loss Amount	\$ 24,470	\$ 28,911	\$ 4,442	18.15%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 48,308	\$ 50,286	\$ 1,978	4.09%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 6,977	\$ 5,998	\$ (980)	-14.04%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,834	\$ 3,285	\$ 1,451	79.16%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 117,909	\$ 394,849	\$ 276,939	234.88%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 11,258	\$ 82,705	\$ 71,447	634.62%	
57	555.14 FTR Hourly Allocation Amount	\$ (155,608)	\$ (1,033,727)	\$ (878,119)	564.32%	
58	555.15 FTR Monthly Allocation Amount	\$ (10,607)	\$ (42,433)	\$ (31,825)	300.03%	
59	555.17 FTR Yearly Allocation Amount	\$ (2,916)	\$ -	\$ 2,916	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (7,311)	\$ -	\$ 7,311	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (2,697)	\$ (9,967)	\$ (7,270)	269.55%	
62	555.37 FTR Guarantee Uplift Amount	\$ 2,697	\$ 7,205	\$ 4,508	167.15%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (218,878)	\$ (368,713)	\$ (149,835)	68.46%	
64	555.38 FTR Annual Transaction Amount	\$ 202,489	\$ 368,520	\$ 166,031	81.99%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 6,597	\$ 1,093	\$ (5,504)	-83.43%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (33,601)	\$ (30,224)	\$ 3,377	-10.05%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 6,371	\$ 5,917	\$ (454)	-7.12%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (4,931)	\$ (2,099)	\$ 2,832	-57.17%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 21,676	\$ (9,037)	-29.42%	
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)	\$ (56,482)	\$ (35,394)	167.84%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 14,106	\$ (46,182)	-76.60%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 129	\$ (18,360)	-99.30%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ 22,600	\$ 20,057	788.84%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ -	\$ -	0.00%	
78	555.63 DA Ramp Product	\$ (2,676)	\$ (5,981)	\$ (3,304)	123.47%	
79	555.64 RT Ramp Product	\$ (106)	\$ (406)	\$ (300)	283.48%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 6,457	\$ 6,457	0.00%	RT Schedule 49 Cost Distribution is a new charge type as of 2020
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0.00%	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0.00%	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 23,956	\$ 23,956	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 256,010</b>	<b>\$ (394,197)</b>	<b>\$ (650,208)</b>	<b>-253.98%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 40	\$ (103)	-71.92%	
98	555.18	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	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 2	\$ (15)	-86.47%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ (0)	\$ (2)	-111.72%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,571)	\$ (6,314)	\$ 3,258	-34.04%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (0)	\$ 1	-88.26%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-76.50%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ 0	\$ 1	-106.12%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (22,159)	\$ (67,029)	\$ (44,870)	202.49%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (14,504)	\$ (25,416)	\$ (10,912)	75.23%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ (1)	\$ 9	-86.06%	
114	555.26	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0.00%	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ 0	\$ 0	0.00%	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ (0)	\$ 1	\$ 1	-274.76%	
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		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (45,963)</b>	<b>\$ (98,709)</b>	<b>\$ (52,746)</b>	<b>114.76%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (26,803)	\$ (85,303)	\$ (58,499)	218.25%	
123		Real Time Regulation Amount	\$ (4,520)	\$ 30,632	\$ 35,152	-777.63%	
124		Regulation Cost Distribution Amount	\$ 12,163	\$ 12,078	\$ (86)	-0.70%	
125		Day Ahead Spinning Reserve Amount	\$ (27,743)	\$ (37,608)	\$ (9,865)	35.56%	
126		Real Time Spinning Reserve Amount	\$ 3,884	\$ 3,885	\$ (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		<b>Total MISO ASM</b>	<b>\$ (26,206)</b>	<b>\$ (66,053)</b>	<b>\$ (39,847)</b>	<b>152.05%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 183,841</b>	<b>\$ (558,959)</b>	<b>\$ (742,800)</b>	<b>-404.04%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 6,156,900</b>	<b>\$ 4,351,068</b>	<b>\$ (1,805,832)</b>	<b>-29.33%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ (4,504)</b>	<b>\$ 208,291</b>	<b>\$ 212,795</b>	<b>-4724.37%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 3,030</b>	<b>\$ 421,704</b>	<b>\$ 418,674</b>	<b>13817.64%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ 2,185	\$ 417,854	\$ 415,669	19019.82%	
157		Asset Based Margins	\$ 845	\$ 3,850	\$ 3,005	355.87%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 10,600,494</b>	<b>\$ 8,308,216</b>	<b>\$ (2,292,279)</b>	<b>-21.62%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

July 2020 Forecast to Actual - MWh						
Line	Plant Generation	July 2020 Forecast	July 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>187,300</b>	<b>186,755</b>	<b>(545)</b>	<b>-0.29%</b>	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>27,400</b>	<b>26,185</b>	<b>(1,215)</b>	<b>-4.43%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>1,868</b>	<b>268</b>	<b>16.77%</b>	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>900</b>	<b>147</b>	<b>(753)</b>	<b>-83.66%</b>	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>3,600</b>	<b>9,974</b>	<b>6,374</b>	<b>177.07%</b>	
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>220,800</b>	<b>224,930</b>	<b>4,130</b>	<b>1.87%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>194,500</b>	<b>199,022</b>	<b>4,522</b>	<b>2.33%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>3,847</b>	<b>3,847</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>100</b>	<b>21,533</b>	<b>21,433</b>	<b>21433.32%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>415,200</b>	<b>406,266</b>	<b>(8,934)</b>	<b>-2.15%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

July 2020 Forecast to Actual - \$ per MWh				
Line	Plant Generation	July 2020 Forecast	July 2020 Actual	Notes
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		Total Coal	\$ 22.21   \$ 24.12	
7				[PROTECTED DATA BEGINS...
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		Total Wind	\$ -   \$ -	
14				
15		Total Hydro	\$ -   \$ -	
16				[PROTECTED DATA BEGINS...
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		Total Oil - Peaking Units	\$ 30.33   \$ 372.67	
23				[PROTECTED DATA BEGINS...
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		Total Natural Gas	\$ 22.28   \$ 17.01	
28				[PROTECTED DATA BEGINS...
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		Total Solar	\$ -   \$ -	
33				
34		Total OTP-Owned	\$ 74.82   \$ 413.80	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashabula 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						
151		<b>Total Purchases</b>		<b>\$ 31.66</b>	<b>\$ 21.86</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>\$ 54.14</b>	
154						
155		<b>Asset Based Sales</b>		<b>\$ 30.30</b>	<b>\$ 19.58</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>\$ 25.53</b>	<b>\$ 20.45</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total



August 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	August 2020 Forecast	August 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 4,660,311	\$ 4,043,702	\$ (616,609)	-13.23%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 22,831	\$ (4,469)	-16.37%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 83,900	\$ 90,615	\$ 6,715	8.00%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 4,771,511	\$ 4,157,148	\$ (614,363)	-12.88%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (157,899)	\$ (110,636)	\$ 47,262	-29.93%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 415,454	\$ 262,783	\$ (152,672)	-36.75%	
45	RT Loss Amount	\$ 24,300	\$ 4,241	\$ (20,059)	-82.55%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 45,123	\$ 46,074	\$ 951	2.11%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 4,342	\$ 5,184	\$ 842	19.39%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,711	\$ 3,151	\$ 1,440	84.12%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 117,090	\$ 226,741	\$ 109,651	93.65%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 11,180	\$ 22,066	\$ 10,886	97.37%	
57	555.14 FTR Hourly Allocation Amount	\$ (154,527)	\$ (282,975)	\$ (128,448)	83.12%	
58	555.15 FTR Monthly Allocation Amount	\$ (10,534)	\$ (45,569)	\$ (35,036)	332.61%	
59	555.17 FTR Yearly Allocation Amount	\$ (2,896)	\$ -	\$ 2,896	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (7,260)	\$ -	\$ 7,260	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 3,502	\$ 17,240	\$ 13,738	392.33%	
62	555.37 FTR Guarantee Uplift Amount	\$ (3,502)	\$ (17,240)	\$ (13,738)	392.33%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (218,878)	\$ (368,713)	\$ (149,835)	68.46%	
64	555.38 FTR Annual Transaction Amount	\$ 202,489	\$ 368,520	\$ 166,031	81.99%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 6,597	\$ 1,091	\$ (5,505)	-83.46%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (33,915)	\$ (30,342)	\$ 3,572	-10.53%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 5,436	\$ 6,158	\$ 722	13.28%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (2,248)	\$ (5,949)	\$ (3,702)	164.69%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 11,035	\$ (19,678)	-64.07%	
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)	\$ (23,327)	\$ (2,239)	10.62%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 25,900	\$ (34,388)	-57.04%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 233	\$ (18,256)	-98.74%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ 5,070	\$ 2,527	99.38%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ -	\$ -	0.00%	
78	555.63 DA Ramp Product	\$ (2,129)	\$ (1,973)	\$ 156	-7.33%	
79	555.64 RT Ramp Product	\$ 134	\$ 298	\$ 164	122.09%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 7,408	\$ 7,408	0.00%	RT Schedule 49 Cost Distribution is a new charge type as of 2020
81	555.55 RT ASM Non-Excessive Energy Amount***	\$ -	\$ -	\$ -	0.00%	
82	555.56 RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0.00%	
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ (1,687)	\$ (1,687)	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 256,560</b>	<b>\$ 70,372</b>	<b>\$ (186,188)</b>	<b>-72.57%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 161	\$ 18	12.63%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ (0)	\$ (85)	-100.40%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 2	\$ (8)	-78.06%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 8	\$ (5)	-35.54%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 14	\$ (4)	-24.41%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 2	\$ 0	12.08%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,505)	\$ (5,609)	\$ 3,896	-40.99%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (0)	\$ 0	-68.13%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-29.51%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ 0	\$ 1	-101.02%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (22,005)	\$ (39,162)	\$ (17,157)	77.97%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (14,403)	\$ (16,804)	\$ (2,400)	16.66%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ 1	\$ 11	-107.99%	
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)	\$ 3	\$ 3	-684.85%	
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		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (45,641)</b>	<b>\$ (61,386)</b>	<b>\$ (15,744)</b>	<b>34.50%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (22,953)	\$ (71,989)	\$ (49,036)	213.64%	
123		Real Time Regulation Amount	\$ (5,570)	\$ 20,704	\$ 26,273	-471.71%	
124		Regulation Cost Distribution Amount	\$ 12,463	\$ 11,956	\$ (507)	-4.07%	
125		Day Ahead Spinning Reserve Amount	\$ (26,081)	\$ (22,334)	\$ 3,748	-14.37%	
126		Real Time Spinning Reserve Amount	\$ 2,251	\$ 7,249	\$ 4,998	222.04%	
127		Spinning Reserve Cost Distribution Amount	\$ 13,963	\$ 9,648	\$ (4,315)	-30.90%	
128		Day Ahead Supplemental Reserve Amount	\$ (3,271)	\$ (7,930)	\$ (4,659)	142.41%	
129		Real Time Supplemental Reserve Amount	\$ 2,473	\$ 3,807	\$ 1,333	53.91%	
130		Supplemental Reserve Cost Distribution Amount	\$ 3,239	\$ 1,443	\$ (1,796)	-55.44%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 1,109	\$ (809)	-42.17%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 5,589	\$ 4,464	396.57%	
134		<b>Total MISO ASM</b>	<b>\$ (19,641)</b>	<b>\$ (40,748)</b>	<b>\$ (21,107)</b>	<b>107.47%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 191,278</b>	<b>\$ (31,762)</b>	<b>\$ (223,040)</b>	<b>-116.61%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 5,594,500</b>	<b>\$ 4,221,673</b>	<b>\$ (1,372,827)</b>	<b>-24.54%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 8,368</b>	<b>\$ (80,801)</b>	<b>\$ (89,169)</b>	<b>-1065.57%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ -</b>	<b>\$ 400,434</b>	<b>\$ 400,434</b>	<b>0.00%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ -	\$ 335,040	\$ 335,040	0.00%	
157		Asset Based Margins	\$ -	\$ 65,394	\$ 65,394	0.00%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 10,565,657</b>	<b>\$ 7,865,824</b>	<b>\$ (2,699,833)</b>	<b>-25.55%</b>	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						
Line	Plant Generation	August 2020 Forecast	August 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6						
7		<b>Total Coal</b>	210,400	175,747	(34,653)	-16.47%
8		[PROTECTED DATA BEGINS...]				
9	Langdon Wind					
10	Ashtabula Wind					
11	Luverne Wind					
12	Merricourt					Merricourt does not come into service until 2020
13						
14						
15		<b>Total Wind</b>	26,900	25,415	(1,485)	-5.52%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		<b>Total Oil - Peaking Units</b>	600	88	(512)	-85.41%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		<b>Total Natural Gas</b>	3,800	4,115	315	8.28%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		<b>Total Solar</b>	-	-	-	0.00%
33						
34		<b>Total OTP-Owned</b>	243,300	207,219	(36,081)	-14.83%
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02	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	555.06	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	555.24	RT Distribution of Losses Amount	N/A	N/A	N/A	N/A
43	555.21	RT FBT Loss Amount	N/A	N/A	N/A	N/A
44		DA Loss Amount	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	555.08	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	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	555.18	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
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		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	N/A	N/A
59	555.17	FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A
60	555.35	FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A
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	555.39	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	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 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 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	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	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	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
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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 DATA ENDS
151		<b>Total Purchases</b>	<b>168,800</b>	<b>199,164</b>	<b>30,364</b>	<b>17.99%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	-	(1,231)	(1,231)	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	-	17,552	17,552	0.00%	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>412,100</b>	<b>387,600</b>	<b>(24,500)</b>	<b>-5.95%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

August 2020 Forecast to Actual - \$ per MWh					
Line	Plant Generation	August 2020		Notes	
		Forecast	Actual		
1	Big Stone	[PROTECTED DATA BEGINS...			
2	Coyote				
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined	
4	Hoot Lake #3				
5				...PROTECTED DATA ENDS]	
6		<b>Total Coal</b>	\$ 22.15   \$ 23.01		
7		[PROTECTED DATA BEGINS...			
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt			Merricourt does not come into service until 2020	
12				...PROTECTED DATA ENDS]	
13		<b>Total Wind</b>	\$ -   \$ -		
14					
15		<b>Total Hydro</b>	\$ -   \$ -		
16		[PROTECTED DATA BEGINS...			
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21				...PROTECTED DATA ENDS]	
22		<b>Total Oil - Peaking Units</b>	\$ 45.50   \$ 260.73		
23		[PROTECTED DATA BEGINS...			
24	Natural gas - Solway				
25	Natural gas - Astoria			Astoria Station does not come into service until 2020	
26				...PROTECTED DATA ENDS]	
27		<b>Total Natural Gas</b>	\$ 22.08   \$ 22.02		
28		[PROTECTED DATA BEGINS...			
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31				...PROTECTED DATA ENDS]	
32		<b>Total Solar</b>	\$ -   \$ -		
33					
34		<b>Total OTP-Owned</b>	\$ 89.73   \$ 305.76		
35					
36	<b>Wholesale Market Charges</b>				
37	<b>MISO Wholesale Market Charges</b>				
38	555.02 DA Asset Energy Amount***		N/A	N/A	
39	555.04 DA FBT Loss Amount		N/A	N/A	
40	555.09 DA Non-asset Energy Amount***		N/A	N/A	
41	555.19 RT Asset Energy Amount***		N/A	N/A	
42	555.24 RT Distribution of Losses Amount		N/A	N/A	
43	555.21 RT FBT Loss Amount		N/A	N/A	
44	DA Loss Amount		N/A	N/A	
45	RT Loss Amount		N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A	
48	555.12 DA Virtual Energy Amount		N/A	N/A	
49	555.32 RT Virtual Energy Amount		N/A	N/A	
50	555.01 DA Mkt Admin Amount		N/A	N/A	
51	555.18 RT Mkt Admin Amount		N/A	N/A	
52	555.13 FTR Mkt Admin Amount		N/A	N/A	
53	555.03 DA FBT Congestion Amount		N/A	N/A	
54	DA Congestion		N/A	N/A	
55	555.2 RT FBT Congestion Amount		N/A	N/A	
56	RT Congestion		N/A	N/A	
57	555.14 FTR Hourly Allocation Amount		N/A	N/A	
58	555.15 FTR Monthly Allocation Amount		N/A	N/A	
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A	
64	555.38 FTR Annual Transaction Amount		N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A	
74	555.25 RT Misc Amount		N/A	N/A	
75	555.27 RT Net Inadvertent Amount		N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A	
78	555.63 DA Ramp Product		N/A	N/A	
79	555.64 RT Ramp Product		N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A	
83	555.05 DA Congestion Rebate on COGA		N/A	N/A	
84	555.06 DA Losses Rebate on COGA		N/A	N/A	

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
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 DATA ENDS]
151		<b>Total Purchases</b>	\$	33.14	\$	21.20
152						Tribal (WAPA) excluded from Total
153		<b>Wind Curtailment</b>		N/A	\$	65.64
154						
155		<b>Asset Based Sales</b>		N/A	\$	22.81
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>	\$	25.64	\$	20.29
						Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

September 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	September 2020 Forecast	September 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 3,659,046	\$ 2,639,091	\$ (1,019,955)	-27.87%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 5,259	\$ (22,041)	-80.74%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 57,000	\$ 23,794	\$ (33,206)	-58.26%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 3,743,346	\$ 2,668,144	\$ (1,075,202)	-28.72%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (150,585)	\$ (144,987)	\$ 5,598	-3.72%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 396,210	\$ 184,594	\$ (211,616)	-53.41%	
45	RT Loss Amount	\$ 23,174	\$ 17,706	\$ (5,468)	-23.60%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 47,478	\$ 43,173	\$ (4,305)	-9.07%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 5,971	\$ 5,497	\$ (475)	-7.95%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,565	\$ 2,594	\$ 1,029	65.78%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 111,666	\$ 74,372	\$ (37,295)	-33.40%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 10,662	\$ (6,488)	\$ (17,150)	-160.85%	
57	555.14 FTR Hourly Allocation Amount	\$ (147,369)	\$ (397,454)	\$ (250,085)	169.70%	
58	555.15 FTR Monthly Allocation Amount	\$ (10,046)	\$ (34,518)	\$ (24,472)	243.61%	
59	555.17 FTR Yearly Allocation Amount	\$ (2,762)	\$ -	\$ 2,762	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (6,924)	\$ (64,195)	\$ (57,271)	827.16%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (3,626)	\$ (9,354)	\$ (5,728)	158.00%	
62	555.37 FTR Guarantee Uplift Amount	\$ 3,626	\$ 9,354	\$ 5,728	157.99%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (240,001)	\$ (406,165)	\$ (166,164)	69.23%	
64	555.38 FTR Annual Transaction Amount	\$ 240,025	\$ 398,764	\$ 158,740	66.13%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 7,994	\$ 1,455	\$ (6,540)	-81.81%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (13,026)	\$ (32,584)	\$ (19,558)	150.15%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 6,928	\$ 11,223	\$ 4,296	62.01%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (5,125)	\$ (2,721)	\$ 2,404	-46.91%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 14,197	\$ (16,515)	-53.77%	
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)	\$ (12,356)	\$ 8,732	-41.41%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 571,489	\$ 511,201	847.94%	
74	555.25 RT Misc Amount	\$ 18,489	\$ (2,428)	\$ (20,917)	-113.13%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ (27,882)	\$ (30,424)	-1196.55%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 0	\$ 0	0.00%	
78	555.63 DA Ramp Product	\$ (3,353)	\$ (282)	\$ 3,070	-91.58%	
79	555.64 RT Ramp Product	\$ (120)	\$ (17)	\$ 104	-86.28%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 8,279	\$ 8,279	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 25,655	\$ 25,655	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 281,512</b>	<b>\$ 175,656</b>	<b>\$ (105,855)</b>	<b>-37.60%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 1,425	\$ 1,282	899.49%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 135	\$ 49	58.10%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 59	\$ 49	491.08%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 123	\$ 110	849.38%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 141	\$ 123	685.63%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 20	\$ 18	935.70%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ (0)	\$ 1	-96.40%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,065)	\$ (6,081)	\$ 2,984	-32.92%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (3)	\$ (2)	362.89%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (2)	\$ (2)	729.09%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (6)	\$ (5)	541.56%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (20,996)	\$ (57,436)	\$ (36,450)	173.69%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (13,736)	\$ (17,186)	\$ (3,450)	25.12%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ (1)	\$ 9	-88.50%	
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)	\$ 42	\$ 43	-9984.27%	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (1)	\$ (1)	0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	\$ (25)	\$ (25)	0.00%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (43,515)</b>	<b>\$ (78,796)</b>	<b>\$ (35,281)</b>	<b>81.08%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (23,773)	\$ (50,545)	\$ (26,771)	112.61%	
123		Real Time Regulation Amount	\$ (12,119)	\$ 6,646	\$ 18,765	-154.84%	
124		Regulation Cost Distribution Amount	\$ 11,957	\$ 11,228	\$ (710)	-5.94%	
125		Day Ahead Spinning Reserve Amount	\$ (25,180)	\$ (13,820)	\$ 11,359	-45.11%	
126		Real Time Spinning Reserve Amount	\$ 3,538	\$ 3,136	\$ (401)	-11.34%	
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	-10.26%	
129		Real Time Supplemental Reserve Amount	\$ 3,440	\$ 3,032	\$ (409)	-11.88%	
130		Supplemental Reserve Cost Distribution Amount	\$ 3,826	\$ 1,034	\$ (2,792)	-72.98%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 1,394	\$ (524)	-27.31%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 682	\$ (443)	-39.40%	
134		<b>Total MISO ASM</b>	<b>\$ (29,365)</b>	<b>\$ (39,394)</b>	<b>\$ (10,029)</b>	<b>34.15%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 208,632</b>	<b>\$ 57,466</b>	<b>\$ (151,166)</b>	<b>-72.46%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 5,597,800</b>	<b>\$ 3,598,939</b>	<b>\$ (1,998,861)</b>	<b>-35.71%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 4,461</b>	<b>\$ (8,569)</b>	<b>\$ (13,030)</b>	<b>-292.08%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 38,700</b>	<b>\$ 514,472</b>	<b>\$ 475,772</b>	<b>1229.38%</b>	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							
159		<b>Total System - Plant Level</b>	<b>\$ 9,515,539</b>	<b>\$ 5,801,508</b>	<b>\$ (3,714,031)</b>	<b>-39.03%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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



September 2020 Forecast to Actual - MWh						
Line	Plant Generation	September 2020 Forecast	September 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>155,800</b>	<b>114,487</b>	<b>(41,313)</b>	<b>-26.52%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>38,300</b>	<b>38,243</b>	<b>(57)</b>	<b>-0.15%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>1,807</b>	<b>207</b>	<b>12.96%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>400</b>	<b>8</b>	<b>(392)</b>	<b>-98.08%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>2,600</b>	<b>1,188</b>	<b>(1,412)</b>	<b>-54.30%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>198,700</b>	<b>155,733</b>	<b>(42,967)</b>	<b>-21.62%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>195,600</b>	<b>163,178</b>	<b>(32,422)</b>	<b>-16.58%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>(294)</b>	<b>(294)</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>1,500</b>	<b>36,341</b>	<b>34,841</b>	<b>2322.73%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>392,800</b>	<b>282,276</b>	<b>(110,524)</b>	<b>-28.14%</b>	Tribal (WAPA) excluded from Total. Asset Based Sales subtracted from Total

		September 2020 Forecast to Actual - \$ per MWh		
Line	Plant Generation	September 2020 Forecast	September 2020 Actual	Notes
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		Total Coal	\$ 23.45   \$ 23.05	
7				[PROTECTED DATA BEGINS...
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		Total Wind	\$ -   \$ -	
14				
15		Total Hydro	\$ -   \$ -	
16				[PROTECTED DATA BEGINS...
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		Total Oil - Peaking Units	\$ 68.25   \$ 683.25	
23				[PROTECTED DATA BEGINS...
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		Total Natural Gas	\$ 21.92   \$ 20.03	
28				[PROTECTED DATA BEGINS...
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		Total Solar	\$ -   \$ -	
33				
34		Total OTP-Owned	\$ 113.66   \$ 726.33	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A		
86	555.23	RT Loss Rebate on COGA		N/A	N/A		
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A		
88							
89		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
92	555.19	DA Asset Energy Amount***		N/A	N/A		
93	555.03	DA Non-asset Energy Amount		N/A	N/A		
94	555.09	RT Asset Energy Amount***		N/A	N/A		
95	555	RT Non-Asset Energy Amount		N/A	N/A		
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A		
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A		
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A		
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A		
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A		
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A		
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A		
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A		
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A		
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A		
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A		
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A		
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A		
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A		
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A		
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A		
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A		
113	555.23	Miscellaneous Amount		N/A	N/A		
114	555.26	ARR Closeout Yearly Amount		N/A	N/A		
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A		
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140						[PROTECTED DATA BEGINS...]	
141		Edgeley PPA					
142		Langdon PPA					
143		Ashtribula 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 DATA ENDS]	
151		<b>Total Purchases</b>	\$	28.62	\$	22.06	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>		N/A	\$	29.15	
154							
155		<b>Asset Based Sales</b>	\$	25.80	\$	14.16	
156		Fuel Costs		N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	\$	24.22	\$	20.55	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

October 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	October 2020 Forecast	October 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 2,867,912	\$ 3,541,320	\$ 673,408	23.48%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 9,882	\$ (17,418)	-63.80%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 92,200	\$ 129,400	\$ 37,200	40.35%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 2,987,412	\$ 3,680,602	\$ 693,190	23.20%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (160,489)	\$ (88,209)	\$ 72,280	-45.04%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 422,270	\$ 159,137	\$ (263,133)	-62.31%	
45	RT Loss Amount	\$ 24,698	\$ 10,782	\$ (13,916)	-56.34%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 63,214	\$ 48,586	\$ (14,629)	-23.14%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 7,087	\$ 8,785	\$ 1,104	15.60%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,561	\$ 2,037	\$ 470	30.14%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 119,011	\$ (87,908)	\$ (206,919)	-173.87%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 11,363	\$ (36,789)	\$ (48,152)	-423.75%	
57	555.14 FTR Hourly Allocation Amount	\$ (157,062)	\$ (390,517)	\$ (233,456)	148.64%	
58	555.15 FTR Monthly Allocation Amount	\$ (10,706)	\$ (11,555)	\$ (848)	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	555.36 FTR Full Funding Guarantee Amount	\$ (13,436)	\$ (36,152)	\$ (22,715)	169.06%	
62	555.37 FTR Guarantee Uplift Amount	\$ 13,436	\$ 41,425	\$ 27,989	208.31%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (240,001)	\$ (406,165)	\$ (166,164)	69.23%	
64	555.38 FTR Annual Transaction Amount	\$ 240,025	\$ 398,764	\$ 158,740	66.13%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 7,994	\$ 1,455	\$ (6,540)	-81.81%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (13,026)	\$ (32,584)	\$ (19,558)	150.15%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 10,010	\$ 10,212	\$ 202	2.02%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (8,115)	\$ (18,414)	\$ (10,299)	126.93%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 12,539	\$ (18,174)	-59.17%	
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)	\$ (9,907)	\$ 11,180	-53.02%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 43,076	\$ (17,212)	-28.55%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 1,478	\$ (17,010)	-92.00%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ (768)	\$ (3,310)	-130.19%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 0	\$ 0	0.00%	
78	555.63 DA Ramp Product	\$ (3,220)	\$ (270)	\$ 2,950	-91.62%	
79	555.64 RT Ramp Product	\$ (133)	\$ 251	\$ 384	-289.02%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 6,360	\$ 6,360	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 2,515	\$ 2,515	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 296,460</b>	<b>\$ (490,218)</b>	<b>\$ (786,678)</b>	<b>-265.36%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 849	\$ 706	495.51%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 46	\$ (39)	-45.85%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 46	\$ 36	355.27%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 67	\$ 54	420.91%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 98	\$ 81	450.20%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 12	\$ 10	514.90%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,661)	\$ (5,369)	\$ 4,292	-44.42%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (0)	\$ 0	-74.84%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ (0)	7.41%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ 0	\$ 1	-106.12%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ (0)	118.18%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (22,366)	\$ (109,823)	\$ (87,457)	391.03%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (14,640)	\$ (18,645)	\$ (4,005)	27.36%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ (1)	\$ 10	-94.64%	
114	555.26	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0.00%	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ 0	\$ 0	0.00%	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ (0)	\$ 19	\$ 20	-4625.05%	
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	\$ -	\$ -	\$ -	0.00%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (46,395)</b>	<b>\$ (132,701)</b>	<b>\$ (86,306)</b>	<b>186.03%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (10,923)	\$ (27,635)	\$ (16,712)	153.00%	
123		Real Time Regulation Amount	\$ (2,434)	\$ 525	\$ 2,958	-121.56%	
124		Regulation Cost Distribution Amount	\$ 17,480	\$ 13,092	\$ (4,388)	-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)	-26.54%	
127		Spinning Reserve Cost Distribution Amount	\$ 20,515	\$ 6,618	\$ (13,897)	-67.74%	
128		Day Ahead Supplemental Reserve Amount	\$ (3,797)	\$ (10,686)	\$ (6,889)	181.46%	
129		Real Time Supplemental Reserve Amount	\$ 425	\$ 3,830	\$ 3,405	801.48%	
130		Supplemental Reserve Cost Distribution Amount	\$ 4,749	\$ 1,682	\$ (3,067)	-64.58%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 2,507	\$ 589	30.74%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 769	\$ (357)	-31.71%	
134		<b>Total MISO ASM</b>	<b>\$ (4,076)</b>	<b>\$ (11,456)</b>	<b>\$ (7,380)</b>	<b>181.07%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 245,990</b>	<b>\$ (634,374)</b>	<b>\$ (880,364)</b>	<b>-357.89%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 6,662,300</b>	<b>\$ 4,787,067</b>	<b>\$ (1,875,233)</b>	<b>-28.15%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 31,876</b>	<b>\$ 105,016</b>	<b>\$ 73,140</b>	<b>229.45%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 4,900</b>	<b>\$ 240,595</b>	<b>\$ 235,695</b>	<b>4810.10%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ 4,561	\$ 205,274	\$ 200,712	4400.14%	
157		Asset Based Margins	\$ 339	\$ 35,322	\$ 34,983	10334.43%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 9,922,678</b>	<b>\$ 7,697,715</b>	<b>\$ (2,224,962)</b>	<b>-22.42%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

October 2020 Forecast to Actual - MWh						
Line	Plant Generation	October 2020 Forecast	October 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>122,300</b>	<b>145,765</b>	<b>23,465</b>	<b>19.19%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>47,100</b>	<b>43,335</b>	<b>(3,765)</b>	<b>-7.99%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>1,322</b>	<b>(278)</b>	<b>-17.38%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>400</b>	<b>-</b>	<b>(400)</b>	<b>-100.00%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>4,100</b>	<b>6,212</b>	<b>2,112</b>	<b>51.50%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>175,500</b>	<b>196,633</b>	<b>21,133</b>	<b>12.04%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>243,800</b>	<b>213,502</b>	<b>(30,298)</b>	<b>-12.43%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>3,253</b>	<b>3,253</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>200</b>	<b>11,279</b>	<b>11,079</b>	<b>5539.40%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>419,100</b>	<b>402,110</b>	<b>(16,990)</b>	<b>-4.05%</b>	Tribal (WAPA) excluded from Total. Asset Based Sales subtracted from Total



October 2020 Forecast to Actual - \$ per MWh					
Line	Plant Generation	October 2020 Forecast	October 2020 Actual		Notes
1	Big Stone	[PROTECTED DATA BEGINS...]			
2	Coyote				
3	Hoot Lake #2				Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3				
5					...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 23.45	\$ 24.29	
7					[PROTECTED DATA BEGINS...
8	Langdon Wind				
9	Ashtabula Wind				
10	Luverne Wind				
11	Merricourt				Merricourt does not come into service until 2020
12					...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -	\$ -	
14					
15		<b>Total Hydro</b>	\$ -	\$ -	
16					[PROTECTED DATA BEGINS...
17	Jamestown 1				
18	Jamestown 2				
19	Lake Preston				
20	Fergus Control Center				
21					...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 68.25	\$ -	
23					[PROTECTED DATA BEGINS...
24	Natural gas - Solway				
25	Natural gas - Astoria				Astoria Station does not come into service until 2020
26					...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 22.49	\$ 20.83	
28					[PROTECTED DATA BEGINS...
29	Solar - Blue Jay				
30	Solar - Blue Heron				
31					...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -	\$ -	
33					
34		<b>Total OTP-Owned</b>	\$ 114.19	\$ 45.13	
35					
36	<b>Wholesale Market Charges</b>				
37	<b>MISO Wholesale Market Charges</b>				
38	555.02 DA Asset Energy Amount***		N/A	N/A	
39	555.04 DA FBT Loss Amount		N/A	N/A	
40	555.09 DA Non-asset Energy Amount***		N/A	N/A	
41	555.19 RT Asset Energy Amount***		N/A	N/A	
42	555.24 RT Distribution of Losses Amount		N/A	N/A	
43	555.21 RT FBT Loss Amount		N/A	N/A	
44	DA Loss Amount		N/A	N/A	
45	RT Loss Amount		N/A	N/A	
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A	
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A	
48	555.12 DA Virtual Energy Amount		N/A	N/A	
49	555.32 RT Virtual Energy Amount		N/A	N/A	
50	555.01 DA Mkt Admin Amount		N/A	N/A	
51	555.18 RT Mkt Admin Amount		N/A	N/A	
52	555.13 FTR Mkt Admin Amount		N/A	N/A	
53	555.03 DA FBT Congestion Amount		N/A	N/A	
54	DA Congestion		N/A	N/A	
55	555.2 RT FBT Congestion Amount		N/A	N/A	
56	RT Congestion		N/A	N/A	
57	555.14 FTR Hourly Allocation Amount		N/A	N/A	
58	555.15 FTR Monthly Allocation Amount		N/A	N/A	
59	555.17 FTR Yearly Allocation Amount		N/A	N/A	
60	555.35 FTR Monthly Transaction Amount		N/A	N/A	
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A	
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A	
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A	
64	555.38 FTR Annual Transaction Amount		N/A	N/A	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A	
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A	
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A	
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A	
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A	
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A	
74	555.25 RT Misc Amount		N/A	N/A	
75	555.27 RT Net Inadvertent Amount		N/A	N/A	
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A	
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A	
78	555.63 DA Ramp Product		N/A	N/A	
79	555.64 RT Ramp Product		N/A	N/A	
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A	
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A	
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A	
83	555.05 DA Congestion Rebate on COGA		N/A	N/A	
84	555.06 DA Losses Rebate on COGA		N/A	N/A	

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						[PROTECTED DATA BEGINS...]
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtribula 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 DATA ENDS]
151		<b>Total Purchases</b>	\$	27.33	\$	22.42
152						Tribal (WAPA) excluded from Total
153		<b>Wind Curtailment</b>		N/A	\$	32.28
154						
155		<b>Asset Based Sales</b>	\$	24.50	\$	21.33
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>	\$	23.68	\$	19.14
						Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

November 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	November 2020 Forecast	November 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		Total Coal	\$ 4,469,793	\$ 3,779,745	\$ (690,048)	-15.44%
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		Total Oil - Peaking Units	\$ 27,300	\$ 15,005	\$ (12,295)	-45.04%
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		Total Natural Gas	\$ 23,600	\$ 35,075	\$ 11,475	48.62%
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 4,520,693	\$ 3,629,825	\$ (690,869)	-15.28%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (178,431)	\$ (146,388)	\$ 32,043	-17.96%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 469,478	\$ 358,400	\$ (111,079)	-23.66%	
45	RT Loss Amount	\$ 27,460	\$ 58,901	\$ 31,441	114.50%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 80,415	\$ 62,744	\$ (17,671)	-22.72%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 10,611	\$ 6,570	\$ (4,041)	-38.65%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,245	\$ 2,195	\$ 950	76.33%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 132,316	\$ 241,661	\$ 109,345	82.64%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 12,634	\$ 135,668	\$ 123,034	973.84%	
57	555.14 FTR Hourly Allocation Amount	\$ (174,621)	\$ (742,508)	\$ (567,888)	325.21%	
58	555.15 FTR Monthly Allocation Amount	\$ (11,903)	\$ (17,579)	\$ (5,675)	47.68%	
59	555.17 FTR Yearly Allocation Amount	\$ (3,272)	\$ -	\$ 3,272	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (8,204)	\$ -	\$ 8,204	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 2,907	\$ (28,329)	\$ (31,236)	-1074.50%	
62	555.37 FTR Guarantee Uplift Amount	\$ (3,177)	\$ 22,423	\$ 25,601	-805.76%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (240,001)	\$ (406,165)	\$ (166,164)	69.23%	
64	555.38 FTR Annual Transaction Amount	\$ 240,025	\$ 398,764	\$ 158,740	66.13%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 7,994	\$ 1,455	\$ (6,540)	-81.81%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (13,026)	\$ (32,584)	\$ (19,558)	150.15%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 18,200	\$ 12,382	\$ (5,818)	-31.97%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (16,328)	\$ (2,719)	\$ 13,609	-83.35%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 18,684	\$ (12,029)	-39.16%	
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)	\$ (11,257)	\$ 9,831	-46.62%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 75,117	\$ 14,830	24.60%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 282	\$ (18,206)	-98.47%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ (1,576)	\$ (4,118)	-161.97%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ (1)	\$ (1)	0.00%	
78	555.63 DA Ramp Product	\$ (2,677)	\$ (418)	\$ 2,259	-84.38%	
79	555.64 RT Ramp Product	\$ (57)	\$ 121	\$ 178	-312.93%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 4,900	\$ 4,900	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ 1,737	\$ 1,737	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 323,478</b>	<b>\$ (59,028)</b>	<b>\$ (382,506)</b>	<b>-118.25%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 396	\$ 253	177.82%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 139	\$ 53	62.85%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 46	\$ 36	358.56%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 87	\$ 74	573.55%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 98	\$ 80	446.40%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 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	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ (0)	\$ 0	-51.36%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (0)	\$ 0	-22.80%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ (2)	\$ (1)	121.33%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (0)	\$ (0)	113.11%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (24,866)	\$ (157,990)	\$ (133,123)	535.35%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (16,276)	\$ (19,587)	\$ (3,311)	20.34%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ (1)	\$ 9	-92.30%	
114	555.26	ARR Closeout Yearly Amount	\$ -	\$ -	\$ -	0.00%	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ (0)	\$ (0)	0.00%	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ (0)	\$ 59	\$ 59	-13768.35%	
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	\$ -	\$ -	\$ -	0.00%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (51,612)</b>	<b>\$ (188,900)</b>	<b>\$ (137,288)</b>	<b>266.00%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (10,696)	\$ (68,836)	\$ (58,139)	543.54%	
123		Real Time Regulation Amount	\$ 1,661	\$ 10,530	\$ 8,868	533.89%	
124		Regulation Cost Distribution Amount	\$ 18,777	\$ 18,520	\$ (257)	-1.37%	
125		Day Ahead Spinning Reserve Amount	\$ (26,149)	\$ (13,839)	\$ 12,310	-47.08%	
126		Real Time Spinning Reserve Amount	\$ 5,661	\$ 3,860	\$ (1,781)	-31.46%	
127		Spinning Reserve Cost Distribution Amount	\$ 19,420	\$ 10,318	\$ (9,102)	-46.87%	
128		Day Ahead Supplemental Reserve Amount	\$ (1,481)	\$ (8,978)	\$ (7,497)	506.04%	
129		Real Time Supplemental Reserve Amount	\$ 564	\$ 3,120	\$ 2,556	452.92%	
130		Supplemental Reserve Cost Distribution Amount	\$ 2,726	\$ 1,637	\$ (1,089)	-39.96%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 5,357	\$ 3,439	179.36%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 196	\$ (929)	-82.57%	
134		<b>Total MISO ASM</b>	<b>\$ 14,328</b>	<b>\$ (38,095)</b>	<b>\$ (52,423)</b>	<b>-365.89%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 286,194</b>	<b>\$ (286,023)</b>	<b>\$ (572,217)</b>	<b>-199.94%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 5,192,000</b>	<b>\$ 4,490,152</b>	<b>\$ (701,848)</b>	<b>-13.52%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 2,354</b>	<b>\$ 33,016</b>	<b>\$ 30,661</b>	<b>1302.31%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 18,900</b>	<b>\$ 736,073</b>	<b>\$ 717,173</b>	<b>3794.57%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ 15,693	\$ 678,948	\$ 663,254	4226.39%	
157		Asset Based Margins	\$ 3,207	\$ 57,125	\$ 53,919	1681.36%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 9,982,342</b>	<b>\$ 7,330,897</b>	<b>\$ (2,651,445)</b>	<b>-26.56%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

November 2020 Forecast to Actual - MWh						
Line	Plant Generation	November 2020 Forecast	November 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5				...PROTECTED DATA ENDS]		
6	<b>Total Coal</b>	<b>196,400</b>	<b>183,281</b>	<b>(13,119)</b>	<b>-6.68%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]		
13	<b>Total Wind</b>	<b>88,100</b>	<b>66,305</b>	<b>(21,795)</b>	<b>-24.74%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>1,732</b>	<b>132</b>	<b>8.24%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21				...PROTECTED DATA ENDS]		
22	<b>Total Oil - Peaking Units</b>	<b>600</b>	<b>-</b>	<b>(600)</b>	<b>-100.00%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]		
27	<b>Total Natural Gas</b>	<b>900</b>	<b>1,280</b>	<b>380</b>	<b>42.18%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31				...PROTECTED DATA ENDS]		
32	<b>Total Solar</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>287,600</b>	<b>252,601</b>	<b>(34,999)</b>	<b>-12.17%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>179,400</b>	<b>343,315</b>	<b>163,915</b>	<b>91.37%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>-</b>	<b>1,031</b>	<b>1,031</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>700</b>	<b>37,189</b>	<b>36,489</b>	<b>5212.77%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins					Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>466,300</b>	<b>559,758</b>	<b>93,458</b>	<b>20.04%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		November 2020 Forecast to Actual - \$ per MWh		
Line	Plant Generation	November 2020 Forecast	November 2020 Actual	Notes
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 22.76   \$ 20.62	
7		[PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -   \$ -	
14				
15		<b>Total Hydro</b>	\$ -   \$ -	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 45.50   \$ -	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 26.22   \$ 27.41	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -   \$ -	
33				
34		<b>Total OTP-Owned</b>	\$ 94.48   \$ 48.03	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashabula 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						
151		<b>Total Purchases</b>		<b>28.94</b>	<b>13.08</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>32.02</b>	
154						
155		<b>Asset Based Sales</b>		<b>27.00</b>	<b>19.79</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>21.41</b>	<b>13.10</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total



December 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	December 2020 Forecast	December 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						
6		<b>Total Coal</b>	<b>\$ 5,692,395</b>	<b>\$ 4,630,380</b>	<b>\$ (1,062,015)</b>	<b>-18.66%</b>
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						
13		<b>Total Wind</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
14						
15		<b>Total Hydro</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						
22		<b>Total Oil - Peaking Units</b>	<b>\$ 27,300</b>	<b>\$ 5,079</b>	<b>\$ (22,221)</b>	<b>-81.40%</b>
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						
27		<b>Total Natural Gas</b>	<b>\$ 245,200</b>	<b>\$ 72,951</b>	<b>\$ (172,249)</b>	<b>-70.25%</b>
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						
32		<b>Total Solar</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.00%</b>
33						
34		<b>Total OTP-Owned</b>	<b>\$ 5,964,895</b>	<b>\$ 4,708,410</b>	<b>\$ (1,256,485)</b>	<b>-21.06%</b>
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (200,449)	\$ (146,317)	\$ 54,133	-27.01%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	DA Loss Amount	\$ 527,412	\$ 314,366	\$ (213,045)	-40.39%	
45	RT Loss Amount	\$ 30,848	\$ 121,984	\$ 91,136	295.43%	
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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 RT Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
50	555.01 DA Mkt Admin Amount	\$ 79,732	\$ 69,752	\$ (10,580)	-13.27%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.18 RT Mkt Admin Amount	\$ 8,618	\$ 10,057	\$ 1,433	16.63%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 1,479	\$ 2,873	\$ 1,395	94.33%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	DA Congestion	\$ 148,644	\$ 218,508	\$ 69,864	47.00%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	RT Congestion	\$ 14,193	\$ 675,492	\$ 661,299	4659.38%	
57	555.14 FTR Hourly Allocation Amount	\$ (196,169)	\$ (617,583)	\$ (421,415)	214.82%	
58	555.15 FTR Monthly Allocation Amount	\$ (13,372)	\$ (25,717)	\$ (12,345)	92.32%	
59	555.17 FTR Yearly Allocation Amount	\$ (3,676)	\$ -	\$ 3,676	-100.00%	
60	555.35 FTR Monthly Transaction Amount	\$ (9,217)	\$ -	\$ 9,217	-100.00%	
61	555.36 FTR Full Funding Guarantee Amount	\$ (5,802)	\$ (71,367)	\$ (65,565)	1130.02%	
62	555.37 FTR Guarantee Uplift Amount	\$ 5,811	\$ 70,319	\$ 64,509	1110.17%	
63	555.39 FTR Auction Revenue Rights Transaction Amount	\$ (164,322)	\$ (389,492)	\$ (225,169)	137.03%	
64	555.38 FTR Annual Transaction Amount	\$ 164,375	\$ 384,963	\$ 220,589	134.20%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,133	\$ 2,176	\$ (1,957)	-47.36%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (29,698)	\$ (23,824)	\$ 5,874	-19.78%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 15,611	\$ 13,239	\$ (2,372)	-15.19%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (197)	\$ (0)	\$ 197	-99.98%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 30,713	\$ 20,271	\$ (10,442)	-34.00%	
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)	\$ (8,787)	\$ 12,301	-58.33%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 60,288	\$ 100,786	\$ 40,498	67.18%	
74	555.25 RT Misc Amount	\$ 18,489	\$ 137	\$ (18,352)	-99.26%	
75	555.27 RT Net Inadvertent Amount	\$ 2,543	\$ (294)	\$ (2,837)	-111.56%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ -	\$ 12,854	\$ 12,854	0.00%	
78	555.63 DA Ramp Product	\$ (712)	\$ (127)	\$ 584	-82.12%	
79	555.64 RT Ramp Product	\$ (54)	\$ (39)	\$ 15	-26.97%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 6,225	\$ 6,225	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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	\$ -	\$ (35,097)	\$ (35,097)	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 351,519</b>	<b>\$ 622,674</b>	<b>\$ 271,155</b>	<b>77.14%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	\$ -	\$ (15)	-100.00%	
97	555.10	RT Make-Whole-Payment Distribution Amount	\$ 143	\$ 469	\$ 326	228.94%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 85	\$ 39	\$ (46)	-54.60%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 10	\$ 30	\$ 20	196.34%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 13	\$ 74	\$ 61	472.82%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 18	\$ 54	\$ 36	201.01%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 2	\$ 5	\$ 3	144.53%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (1)	\$ -	\$ 1	-100.00%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (12,066)	\$ (11,967)	\$ 99	-0.82%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 1	-210.77%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ -	\$ 1	-100.00%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111	555.20	RT Pseudo Tie Congestion Amount	\$ (27,935)	\$ (61,615)	\$ (33,680)	120.57%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (18,285)	\$ (16,605)	\$ 1,680	-9.19%	
113	555.23	Miscellaneous Amount	\$ (10)	\$ 20	\$ 30	-290.17%	
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)	\$ 39	\$ 39	-9171.07%	
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		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (58,014)</b>	<b>\$ (89,458)</b>	<b>\$ (31,444)</b>	<b>54.20%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (28,258)	\$ (71,830)	\$ (43,572)	154.19%	
123		Real Time Regulation Amount	\$ 2,299	\$ 11,084	\$ 8,785	382.15%	
124		Regulation Cost Distribution Amount	\$ 19,425	\$ 15,925	\$ (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	\$ 1,310	\$ (447)	-25.43%	
127		Spinning Reserve Cost Distribution Amount	\$ 16,383	\$ 11,138	\$ (5,246)	-32.02%	
128		Day Ahead Supplemental Reserve Amount	\$ (2,048)	\$ (12,844)	\$ (10,795)	526.99%	
129		Real Time Supplemental Reserve Amount	\$ 612	\$ 3,891	\$ 3,279	535.94%	
130		Supplemental Reserve Cost Distribution Amount	\$ 2,729	\$ 1,668	\$ (1,062)	-38.90%	
131		Contingency Reserve Deployment Failure Charge Amount	\$ 802	\$ -	\$ (802)	-100.00%	
132		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 1,918	\$ 3,327	\$ 1,410	73.52%	
133		Net Regulation Adjustment Amount	\$ 1,126	\$ 3,077	\$ 1,952	173.41%	
134		<b>Total MISO ASM</b>	<b>\$ (2,448)</b>	<b>\$ (49,616)</b>	<b>\$ (47,167)</b>	<b>1926.59%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 291,057</b>	<b>\$ 483,600</b>	<b>\$ 192,543</b>	<b>66.15%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 5,566,600</b>	<b>\$ 5,185,077</b>	<b>\$ (381,523)</b>	<b>-6.85%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 6,311</b>	<b>\$ (41,939)</b>	<b>\$ (48,250)</b>	<b>-764.57%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 34,800</b>	<b>\$ 642,657</b>	<b>\$ 607,857</b>	<b>1746.72%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	\$ 26,150	\$ 596,056	\$ 569,906	2179.35%	
157		Asset Based Margins	\$ 8,650	\$ 46,600	\$ 37,951	438.75%	
158							
159		<b>Total System - Plant Level</b>	<b>\$ 11,794,063</b>	<b>\$ 9,692,490</b>	<b>\$ (2,101,572)</b>	<b>-17.82%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

December 2020 Forecast to Actual - MWh						
Line	Plant Generation	December 2020 Forecast	December 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...				
2	Coyote					
3	Hoot Lake #2					
4	Hoot Lake #3					
5					...PROTECTED DATA ENDS]	
6	<b>Total Coal</b>	<b>257,800</b>	<b>202,339</b>	<b>(55,461)</b>	<b>-21.51%</b>	
7		[PROTECTED DATA BEGINS...				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12					...PROTECTED DATA ENDS]	
13	<b>Total Wind</b>	<b>70,100</b>	<b>78,728</b>	<b>8,628</b>	<b>12.31%</b>	
14						
15	<b>Total Hydro</b>	<b>1,600</b>	<b>1,919</b>	<b>319</b>	<b>19.96%</b>	
16		[PROTECTED DATA BEGINS...				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21					...PROTECTED DATA ENDS]	
22	<b>Total Oil - Peaking Units</b>	<b>400</b>	<b>-</b>	<b>(400)</b>	<b>-100.00%</b>	
23		[PROTECTED DATA BEGINS...				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26					...PROTECTED DATA ENDS]	
27	<b>Total Natural Gas</b>	<b>8,100</b>	<b>3,006</b>	<b>(5,094)</b>	<b>-62.89%</b>	
28		[PROTECTED DATA BEGINS...				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31					...PROTECTED DATA ENDS]	
32	<b>Total Solar</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>338,000</b>	<b>285,995</b>	<b>(52,005)</b>	<b>-15.39%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 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	555.06 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	555.24 RT Distribution of Losses Amount	N/A	N/A	N/A	N/A	
43	555.21 RT FBT Loss Amount	N/A	N/A	N/A	N/A	
44	DA Loss Amount	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	555.08 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	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	555.18 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	
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	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	N/A	N/A	
59	555.17 FTR Yearly Allocation Amount	N/A	N/A	N/A	N/A	
60	555.35 FTR Monthly Transaction Amount	N/A	N/A	N/A	N/A	
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	555.39 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	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 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 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	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	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	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	
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	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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
141		Edgeley PPA					
142		Langdon PPA					
143		Ashland 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							
151		<b>Total Purchases</b>	<b>184,600</b>	<b>208,291</b>	<b>23,691</b>	<b>12.83%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	-	<b>(1,298)</b>	<b>(1,298)</b>	<b>0.00%</b>	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	<b>1,200</b>	<b>30,468</b>	<b>29,268</b>	<b>2438.98%</b>	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins			-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>521,400</b>	<b>462,520</b>	<b>(58,880)</b>	<b>-11.29%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

		December 2020 Forecast to Actual - \$ per MWh		
Line	Plant Generation	December 2020 Forecast	December 2020 Actual	Notes
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		<b>Total Coal</b>	\$ 22.06   \$ 22.88	
7		[PROTECTED DATA BEGINS...		
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		<b>Total Wind</b>	\$ -   \$ -	
14		[PROTECTED DATA BEGINS...		
15		<b>Total Hydro</b>	\$ -   \$ -	
16		[PROTECTED DATA BEGINS...		
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		<b>Total Oil - Peaking Units</b>	\$ 68.25   \$ -	
23		[PROTECTED DATA BEGINS...		
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		<b>Total Natural Gas</b>	\$ 30.27   \$ 24.27	
28		[PROTECTED DATA BEGINS...		
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		<b>Total Solar</b>	\$ -   \$ -	
33		[PROTECTED DATA BEGINS...		
34		<b>Total OTP-Owned</b>	\$ 120.60   \$ 47.16	
35		[PROTECTED DATA BEGINS...		
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.55 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.56 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount***		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
140						
141		Edgeley PPA				
142		Langdon PPA				
143		Ashtribula 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						
151		<b>Total Purchases</b>		<b>\$ 30.15</b>	<b>\$ 24.89</b>	Tribal (WAPA) excluded from Total
152						
153		<b>Wind Curtailment</b>		<b>N/A</b>	<b>\$ 32.32</b>	
154						
155		<b>Asset Based Sales</b>		<b>\$ 29.00</b>	<b>\$ 21.09</b>	
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>		<b>\$ 22.62</b>	<b>\$ 20.96</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

Year to Date 2020 Forecast to Actual - Expense (Revenue)						
Line	Plant Generation	YTD 2020 Forecast	YTD 2020 Actual	Forecast to Actual Variance \$	Forecast to Actual Variance %	Notes
1	Big Stone	[PROTECTED DATA BEGINS...]				
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						...PROTECTED DATA ENDS]
6		Total Coal	\$ 50,336,035	\$ 45,124,340	\$ (5,211,695)	-10.35%
7			[PROTECTED DATA BEGINS...]			
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						...PROTECTED DATA ENDS]
13		Total Wind	\$ -	\$ -	\$ -	0.00%
14						
15		Total Hydro	\$ -	\$ -	\$ -	0.00%
16			[PROTECTED DATA BEGINS...]			
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						...PROTECTED DATA ENDS]
22		Total Oil - Peaking Units	\$ 327,600	\$ 189,886	\$ (137,714)	-42.04%
23			[PROTECTED DATA BEGINS...]			
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						...PROTECTED DATA ENDS]
27		Total Natural Gas	\$ 902,300	\$ 981,992	\$ 79,692	8.83%
28			[PROTECTED DATA BEGINS...]			
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						...PROTECTED DATA ENDS]
32		Total Solar	\$ -	\$ -	\$ -	0.00%
33						
34		Total OTP-Owned	\$ 51,565,935	\$ 46,296,218	\$ (5,269,717)	-10.22%
35						
36	Wholesale 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	555.19 RT Asset Energy Amount***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
42	555.24 RT Distribution of Losses Amount	\$ (2,036,873)	\$ (1,313,383)	\$ 723,490	-35.52%	
43	555.21 RT FBT Loss Amount	\$ -	\$ -	\$ -	0.00%	
44	555.21 DA Loss Amount	\$ 5,359,312	\$ 3,222,132	\$ (2,137,180)	-39.88%	
45	555.21 RT Loss Amount	\$ 313,464	\$ 277,616	\$ (35,848)	-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	555.12 DA Virtual Energy Amount	\$ -	\$ -	\$ -	0.00%	
49	555.32 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	\$ (3,796)	-4.66%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52	555.13 FTR Mkt Admin Amount	\$ 78,942	\$ 33,388	\$ 44,445	76.26%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
53	555.03 DA FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
54	555.07 DA Congestion	\$ 1,510,447	\$ 1,544,000	\$ 33,554	2.22%	
55	555.20 RT FBT Congestion Amount	\$ -	\$ -	\$ -	0.00%	
56	555.14 RT Congestion	\$ 144,221	\$ 730,238	\$ 586,017	406.33%	
57	555.14 FTR Hourly Allocation Amount	\$ (1,993,375)	\$ (5,193,827)	\$ (3,200,453)	160.55%	
58	555.15 FTR Monthly Allocation Amount	\$ (135,882)	\$ (271,494)	\$ (135,611)	99.80%	
59	555.17 FTR Yearly Allocation Amount	\$ (37,356)	\$ (1,197)	\$ 36,159	-96.79%	
60	555.35 FTR Monthly Transaction Amount	\$ (93,655)	\$ (183,493)	\$ (89,838)	95.92%	
61	555.36 FTR Full Funding Guarantee Amount	\$ 2,475	\$ (214,964)	\$ (217,439)	-8786.80%	
62	555.37 FTR Guarantee Uplift Amount	\$ 429	\$ 218,644	\$ 218,215	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%	
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 70,891	\$ 27,371	\$ (43,520)	-61.39%	
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (293,124)	\$ (348,459)	\$ (55,335)	18.88%	
67	555.07 DA Congestion Rebate on Option B GFA	\$ -	\$ -	\$ -	0.00%	
68	555.10 DA Revenue Sufficiency Guarantee Distribution Amount	\$ 136,805	\$ 96,996	\$ (39,809)	-29.10%	
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (48,983)	\$ (65,293)	\$ (16,310)	33.30%	
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 968,550	\$ 115,428	\$ (253,122)	-68.68%	
71	555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (321,369)	\$ -	\$ 321,369	-100.00%	
72	555.42 RT Price Volatility Make Whole Payment	\$ (253,055)	\$ (190,146)	\$ 62,909	-24.86%	
73	555.28 RT Revenue Neutrality Uplift Amount	\$ 723,453	\$ 1,059,328	\$ 335,875	46.43%	
74	555.25 RT Misc Amount	\$ 221,863	\$ 81,790	\$ (140,072)	-63.13%	
75	555.27 RT Net Inadvertent Amount	\$ 30,512	\$ 7,365	\$ (23,147)	-75.86%	
76	555.31 RT Uninstructed Deviation Amount	\$ -	\$ -	\$ -	0.00%	
77	555.59 RT Demand Response Allocation Uplift Amount	\$ 0	\$ 12,855	\$ 12,855	0.00%	
78	555.63 DA Ramp Product	\$ (27,579)	\$ (14,499)	\$ 13,081	-47.43%	
79	555.64 RT Ramp Product	\$ 833	\$ 183	\$ (650)	-77.99%	
80	555.65 RT Schedule 49 Cost Distribution Amount	\$ -	\$ 143,014	\$ 143,014	0.00%	RT Schedule 49 Cost Distribution 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***	\$ -	\$ -	\$ -	0.00%	Energy Amounts - included/embedded within Market Purchases
83	555.05 DA Congestion Rebate on COGA	\$ -	\$ -	\$ -	0.00%	

84	555.06	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 Sched	\$ -	\$ 68,217	\$ 68,217	0.00%	
88							
89		<b>Total MISO Wholesale Market Charges</b>	<b>\$ 3,593,071</b>	<b>\$ (219,498)</b>	<b>\$ (3,812,569)</b>	<b>-106.11%</b>	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90							
91		<b>SPP Wholesale Market Charges</b>					
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	RT Non-Asset Energy Amount	\$ -	\$ -	\$ -	0.00%	
96	555.02	DA Make-Whole-Payment Distribution Amount	\$ 181	\$ -	\$ (181)	-100.00%	
97	555.1	RT Make-Whole-Payment Distribution Amount	\$ 1,711	\$ 3,787	\$ 2,076	121.38%	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$ -	\$ -	0.00%	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 1,021	\$ 386	\$ (635)	-62.17%	
100	555.04	DA Regulation-Down Distribution Amount	\$ 120	\$ 280	\$ 159	132.27%	
101	555.05	DA Regulation-Up Distribution Amount	\$ 155	\$ 489	\$ 334	215.85%	
102	555.06	DA Spinning Reserve Distribution Amount	\$ 215	\$ 545	\$ 330	153.89%	
103	555.07	DA Supplemental Reserve Distribution Amount	\$ 24	\$ 65	\$ 42	177.52%	
104	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (10)	\$ (1)	\$ 9	-90.10%	
105	555.11	RT Over-Collected Losses Distribution Amount	\$ (122,613)	\$ (88,672)	\$ 33,941	-27.68%	
106	555.12	RT Regulation-Down Distribution Amount	\$ (7)	\$ (9)	\$ (2)	31.24%	
107	555.13	RT Regulation Non-Performance Distribution Amount	\$ (4)	\$ (5)	\$ (1)	39.30%	
108	555.14	RT Regulation-Up Distribution Amount	\$ (12)	\$ (12)	\$ (1)	4.38%	
109	555.16	RT Spinning Reserve Distribution Amount	\$ (2)	\$ (1)	\$ 1	-61.95%	
110	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ (0)	\$ 0	-33.33%	
111	555.2	RT Pseudo Tie Congestion Amount	\$ (283,862)	\$ (895,941)	\$ (612,080)	215.83%	
112	555.21	RT Pseudo Tie Loss Amount	\$ (185,801)	\$ (196,326)	\$ (10,525)	5.66%	
113	555.23	Miscellaneous Amount	\$ (123)	\$ (57)	\$ 66	-53.37%	
114	555.26	ARR Closeout Yearly Amount	\$ (97,826)	\$ (73,035)	\$ 24,791	-25.34%	
115	555.28	RT Demand Reduction Distribution Amount	\$ -	\$ 0	\$ 0	0.00%	
116	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ (5)	\$ 223	\$ 228	-4434.17%	
117	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ -	\$ (1)	\$ (1)	0.00%	
118	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ (131)	\$ (25)	\$ 106	-81.28%	
119		<b>Total SPP Wholesale Market Charges</b>	<b>\$ (686,970)</b>	<b>\$ (1,248,310)</b>	<b>\$ (561,340)</b>	<b>81.71%</b>	
120							
121		<b>MISO ASM</b>					
122		Day Ahead Regulation Amount	\$ (285,508)	\$ (698,813)	\$ (413,305)	144.76%	
123		Real Time Regulation Amount	\$ (27,994)	\$ 175,888	\$ 203,882	-728.32%	
124		Regulation Cost Distribution Amount	\$ 189,048	\$ 169,865	\$ (19,183)	-10.15%	
125		Day Ahead Spinning Reserve Amount	\$ (315,485)	\$ (186,684)	\$ (148,772)	-47.16%	
126		Real Time Spinning Reserve Amount	\$ 39,138	\$ 9,296	\$ (29,842)	-76.25%	
127		Spinning Reserve Cost Distribution Amount	\$ 205,094	\$ 107,112	\$ (97,982)	-47.77%	
128		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	\$ 9,621	\$ -	\$ (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		<b>Total MISO ASM</b>	<b>\$ (117,502)</b>	<b>\$ (392,458)</b>	<b>\$ (274,955)</b>	<b>234.00%</b>	
135							
136		<b>Total Wholesale Market Charges</b>	<b>\$ 2,788,598</b>	<b>\$ (1,860,266)</b>	<b>\$ (4,648,864)</b>	<b>-166.71%</b>	
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>\$ 75,064,600</b>	<b>\$ 56,861,382</b>	<b>\$ (18,203,218)</b>	<b>-24.25%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	<b>\$ 153,308</b>	<b>\$ 257,760</b>	<b>\$ 104,452</b>	<b>68.13%</b>	
154							
155		<b>Asset Based Sales</b>	<b>\$ 151,060</b>	<b>\$ 4,432,230</b>	<b>\$ 4,281,170</b>	<b>2834.09%</b>	Credit to MN FGA 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							
159		<b>Total System - Plant Level</b>	<b>\$ 129,421,381</b>	<b>\$ 97,122,864</b>	<b>\$ (32,298,517)</b>	<b>-24.96%</b>	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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



Year to Date 2020 Forecast to Actual - MWh						
Line	Plant Generation	YTD 2020 Forecast	YTD 2020 Actual	Forecast to Actual Variance MWh	Forecast to Actual Variance %	Notes
		[PROTECTED DATA BEGINS...]				
1	Big Stone					
2	Coyote					
3	Hoot Lake #2					Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3					
5						...PROTECTED DATA ENDS]
6	<b>Total Coal</b>	<b>2,228,300</b>	<b>1,931,612</b>	<b>(296,688)</b>	<b>-13.31%</b>	
7		[PROTECTED DATA BEGINS...]				
8	Langdon Wind					
9	Ashtabula Wind					
10	Luverne Wind					
11	Merricourt					Merricourt does not come into service until 2020
12						...PROTECTED DATA ENDS]
13	<b>Total Wind</b>	<b>552,000</b>	<b>508,624</b>	<b>(43,376)</b>	<b>-7.86%</b>	
14						
15	<b>Total Hydro</b>	<b>19,100</b>	<b>22,591</b>	<b>3,491</b>	<b>18.28%</b>	
16		[PROTECTED DATA BEGINS...]				
17	Jamestown 1					
18	Jamestown 2					
19	Lake Preston					
20	Fergus Control Center					
21						...PROTECTED DATA ENDS]
22	<b>Total Oil - Peaking Units</b>	<b>7,200</b>	<b>291</b>	<b>(6,909)</b>	<b>-95.95%</b>	
23		[PROTECTED DATA BEGINS...]				
24	Natural gas - Solway					
25	Natural gas - Astoria					Astoria Station does not come into service until 2020
26						...PROTECTED DATA ENDS]
27	<b>Total Natural Gas</b>	<b>35,900</b>	<b>51,707</b>	<b>15,807</b>	<b>44.03%</b>	
28		[PROTECTED DATA BEGINS...]				
29	Solar - Blue Jay					
30	Solar - Blue Heron					
31						...PROTECTED DATA ENDS]
32	<b>Total Solar</b>	<b>-</b>	<b>6</b>	<b>6</b>	<b>0.00%</b>	
33						
34	<b>Total OTP-Owned</b>	<b>2,842,500</b>	<b>2,514,831</b>	<b>(327,669)</b>	<b>-11.53%</b>	
35						
36	<b>Wholesale Market Charges</b>					
37	<b>MISO Wholesale Market Charges</b>					
38	555.02 DA Asset Energy Amount***	N/A	N/A	N/A	N/A	N/A
39	555.04 DA FBT Loss Amount	N/A	N/A	N/A	N/A	N/A
40	555.09 DA Non-asset Energy Amount***	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	N/A
42	555.24 RT Distribution of Losses Amount	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	N/A
44	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	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	N/A
48	555.12 DA Virtual Energy Amount	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	N/A
50	555.01 DA Mkt Admin Amount	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	N/A
52	555.13 FTR Mkt Admin Amount	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	N/A
54	DA Congestion	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	N/A
56	RT Congestion	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	N/A
58	555.15 FTR Monthly Allocation Amount	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	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	N/A
62	555.37 FTR Guarantee Uplift Amount	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 Annual Transaction Amount	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
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution 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	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 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	N/A	N/A	N/A
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	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
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	N/A
82	555.56 RT ASM Excessive Energy Amount***	N/A	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

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		<b>Total MISO Wholesale Market Charges</b>					
90							
91		<b>SPP Wholesale Market Charges</b>					
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	
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	555.13	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	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		<b>Total SPP Wholesale Market Charges</b>					
120							
121		<b>MISO ASM</b>					
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	N/A	
133		Net Regulation Adjustment Amount	N/A	N/A	N/A	N/A	
134		<b>Total MISO ASM</b>					
135							
136		<b>Total Wholesale Market Charges</b>					
137							
138							
139		<b>Purchased Power</b>					
140							
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							
151		<b>Total Purchases</b>	<b>2,477,900</b>	<b>2,686,642</b>	<b>208,742</b>	<b>8.42%</b>	Tribal (WAPA) excluded from Total
152							
153		<b>Wind Curtailment</b>	-	6,743	6,743	0.00%	Otter Tail did not forecast Wind Curtailment MWh in the 2020 Forecast
154							
155		<b>Asset Based Sales</b>	5,600	233,830	228,230	4075.53%	Credit to MN FCA Calculation - Subtracted from Total
156		Fuel Costs	-	-	-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins	-	-	-		Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158							
159		<b>Total System - Plant Level</b>	<b>5,314,800</b>	<b>4,974,387</b>	<b>(340,413)</b>	<b>-6.40%</b>	Tribal (WAPA) excluded from Total. Asset Based Sales subtracted from Total

Year to Date 2020 Forecast to Actual - \$ per MWh				
Line	Plant Generation	YTD 2020 Forecast	YTD 2020 Actual	Notes
1	Big Stone	[PROTECTED DATA BEGINS...		
2	Coyote			
3	Hoot Lake #2			Actuals include Hoot Lake #2 and #3 combined
4	Hoot Lake #3			
5				...PROTECTED DATA ENDS]
6		Total Coal	\$ 22.59   \$ 23.36	
7				[PROTECTED DATA BEGINS...
8	Langdon Wind			
9	Ashtabula Wind			
10	Luverne Wind			
11	Merricourt			Merricourt does not come into service until 2020
12				...PROTECTED DATA ENDS]
13		Total Wind	\$ -   \$ -	
14				
15		Total Hydro	\$ -   \$ -	
16				[PROTECTED DATA BEGINS...
17	Jamestown 1			
18	Jamestown 2			
19	Lake Preston			
20	Fergus Control Center			
21				...PROTECTED DATA ENDS]
22		Total Oil - Peaking Units	\$ 45.50   \$ 651.58	
23				[PROTECTED DATA BEGINS...
24	Natural gas - Solway			
25	Natural gas - Astoria			Astoria Station does not come into service until 2020
26				...PROTECTED DATA ENDS]
27		Total Natural Gas	\$ 25.13   \$ 18.99	
28				[PROTECTED DATA BEGINS...
29	Solar - Blue Jay			
30	Solar - Blue Heron			
31				...PROTECTED DATA ENDS]
32		Total Solar	\$ -   \$ -	
33				
34		Total OTP-Owned	\$ 18.14   \$ 18.41	
35				
36	<b>Wholesale Market Charges</b>			
37	<b>MISO Wholesale Market Charges</b>			
38	555.02 DA Asset Energy Amount***		N/A	N/A
39	555.04 DA FBT Loss Amount		N/A	N/A
40	555.09 DA Non-asset Energy Amount***		N/A	N/A
41	555.19 RT Asset Energy Amount***		N/A	N/A
42	555.24 RT Distribution of Losses Amount		N/A	N/A
43	555.21 RT FBT Loss Amount		N/A	N/A
44	DA Loss Amount		N/A	N/A
45	RT Loss Amount		N/A	N/A
46	555.26 RT Non-Asset Energy Amount***		N/A	N/A
47	555.08 DA Losses Rebate on Option B GFA		N/A	N/A
48	555.12 DA Virtual Energy Amount		N/A	N/A
49	555.32 RT Virtual Energy Amount		N/A	N/A
50	555.01 DA Mkt Admin Amount		N/A	N/A
51	555.18 RT Mkt Admin Amount		N/A	N/A
52	555.13 FTR Mkt Admin Amount		N/A	N/A
53	555.03 DA FBT Congestion Amount		N/A	N/A
54	DA Congestion		N/A	N/A
55	555.2 RT FBT Congestion Amount		N/A	N/A
56	RT Congestion		N/A	N/A
57	555.14 FTR Hourly Allocation Amount		N/A	N/A
58	555.15 FTR Monthly Allocation Amount		N/A	N/A
59	555.17 FTR Yearly Allocation Amount		N/A	N/A
60	555.35 FTR Monthly Transaction Amount		N/A	N/A
61	555.36 FTR Full Funding Guarantee Amount		N/A	N/A
62	555.37 FTR Guarantee Uplift Amount		N/A	N/A
63	555.39 FTR Auction Revenue Rights Transaction Amount		N/A	N/A
64	555.38 FTR Annual Transaction Amount		N/A	N/A
65	555.40 FTR Auction Revenue Rights Infeasible Uplift Amount		N/A	N/A
66	555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount		N/A	N/A
67	555.07 DA Congestion Rebate on Option B GFA		N/A	N/A
68	555.1 DA Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A
69	555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
70	555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount		N/A	N/A
71	555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount		N/A	N/A
72	555.42 RT Price Volatility Make Whole Payment		N/A	N/A
73	555.28 RT Revenue Neutrality Uplift Amount		N/A	N/A
74	555.25 RT Misc Amount		N/A	N/A
75	555.27 RT Net Inadvertent Amount		N/A	N/A
76	555.31 RT Uninstructed Deviation Amount		N/A	N/A
77	555.59 RT Demand Response Allocation Uplift Amount		N/A	N/A
78	555.63 DA Ramp Product		N/A	N/A
79	555.64 RT Ramp Product		N/A	N/A
80	555.65 RT Schedule 49 Cost Distribution Amount		N/A	N/A
81	555.65 RT ASM Non-Excessive Energy Amount***		N/A	N/A
82	555.66 RT ASM Excessive Energy Amount***		N/A	N/A
83	555.05 DA Congestion Rebate on COGA		N/A	N/A
84	555.06 DA Losses Rebate on COGA		N/A	N/A

85	555.22	RT Congestion Rebate on COGA		N/A	N/A	
86	555.23	RT Loss Rebate on COGA		N/A	N/A	
87		Net Congestion and Losses Adjustment & No DA Generation Schedule		N/A	N/A	
88						
89		<b>Total MISO Wholesale Market Charges</b>				
90						
91		<b>SPP Wholesale Market Charges</b>				
92	555.19	DA Asset Energy Amount**		N/A	N/A	
93	555.03	DA Non-asset Energy Amount		N/A	N/A	
94	555.09	RT Asset Energy Amount***		N/A	N/A	
95	555	RT Non-Asset Energy Amount		N/A	N/A	
96	555.02	DA Make-Whole-Payment Distribution Amount		N/A	N/A	
97	555.1	RT Make-Whole-Payment Distribution Amount		N/A	N/A	
98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount		N/A	N/A	
99	555.15	RT Revenue Neutrality Uplift Distribution Amount		N/A	N/A	
100	555.04	DA Regulation-Down Distribution Amount		N/A	N/A	
101	555.05	DA Regulation-Up Distribution Amount		N/A	N/A	
102	555.06	DA Spinning Reserve Distribution Amount		N/A	N/A	
103	555.07	DA Supplemental Reserve Distribution Amount		N/A	N/A	
104	555.08	RT Contingency Reserve Deployment Failure Amount		N/A	N/A	
105	555.11	RT Over-Collected Losses Distribution Amount		N/A	N/A	
106	555.12	RT Regulation-Down Distribution Amount		N/A	N/A	
107	555.13	RT Regulation Non-Performance Distribution Amount		N/A	N/A	
108	555.14	RT Regulation-Up Distribution Amount		N/A	N/A	
109	555.16	RT Spinning Reserve Distribution Amount		N/A	N/A	
110	555.17	RT Supplemental Reserve Distribution Amount		N/A	N/A	
111	555.2	RT Pseudo Tie Congestion Amount		N/A	N/A	
112	555.21	RT Pseudo Tie Loss Amount		N/A	N/A	
113	555.23	Miscellaneous Amount		N/A	N/A	
114	555.26	ARR Closeout Yearly Amount		N/A	N/A	
115	555.28	RT Demand Reduction Distribution Amount		N/A	N/A	
116	555.01	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		<b>Total SPP Wholesale Market Charges</b>				
120						
121		<b>MISO ASM</b>				
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		<b>Total MISO ASM</b>				
135						
136		<b>Total Wholesale Market Charges</b>				
137						
138						
139		<b>Purchased Power</b>				
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 DATA ENDS]
151		<b>Total Purchases</b>	\$	30.29	\$	21.16
152						Tribal (WAPA) excluded from Total
153		<b>Wind Curtailment</b>		N/A	\$	38.23
154						
155		<b>Asset Based Sales</b>	\$	26.97	\$	18.95
156		Fuel Costs		N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
157		Asset Based Margins		N/A	N/A	Fuel Cost MWh and Margin MWh are not separated - Need to compare total Asset Based Sales
158						
159		<b>Total System - Plant Level</b>	\$	24.35	\$	19.52
						Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

**Attachment 4**

**Rate Schedule**

**Section 13.01**



**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:

N  
CN  
C  
C  
NC

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



Fergus Falls, Minnesota

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

Page 2 of 4
Fifteenth Revision

- 6. The forecasted identifiable fuel costs associated with energy purchased for reasons other than in 2 and 3 above. C
7. Less the forecasted fuel-related costs recovered through intersystem sales. N
8. Less a credit for forecasted asset-based margins: forecasted revenues minus costs from asset-based wholesale energy and MISO ancillary services market ("ASM") transactions (excluding ancillary services net revenues derived through OTP's FERC-approved Control Area Services Operations Tariff) shall be credited to the cost of energy. The forecasted revenues for this calculation are those received from forecasted sales of excess generation; the forecasted costs are the fuel costs (as defined in FERC Account 501) and energy costs (including MISO costs that are booked to FERC Account 555) and any forecasted transmission costs incurred that are required to make such sales. N
N
N
N

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. N

Table with 3 columns: Service Category, Section, and EAF Ratio. Rows include Residential, Farms, General Service, Large General Service, Irrigation Services, Outdoor Lighting, OPA, Controlled Service-Water Heating, Controlled Service- Interruptible, and Controlled Service - Deferred.



Fergus Falls, Minnesota

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

Page 3 of 4
First Revision

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.

Table with 2 columns: Service Category, Base Cost of Energy. Rows include Residential, Farms, General Service, Large General Service, Irrigation Services, Outdoor Lighting, OPA, Controlled Service-Water Heating, Controlled Service-Interruptible, and Controlled Service - 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 0.001¢), the true-up balance will carry over to the next year's true-up.

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





Fergus Falls, Minnesota

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

Page 4 of 4  
*First Revision*

---

**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

		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
Line No.	FUEL COSTS BY ENERGY TYPE:													
1	GENERATION	COAL	\$4,388,536	\$4,308,601	\$4,023,660	\$3,603,624	\$1,661,192	\$2,683,080	\$4,147,944	\$3,735,962	\$2,018,596	\$3,375,930	\$3,144,231	\$4,079,082
2		BIOMASS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3		HYDRO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4		GAS	\$92,844	\$99,940	\$31,214	\$51,052	\$29,301	\$69,581	\$134,223	\$76,517	(\$9,026)	\$95,222	(\$8,358)	\$29,488
5		WIND	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		FUEL OIL	\$1,560	\$17,598	\$9,183	\$4,999	\$5,745	\$14,706	\$29,499	\$9,630	\$5,259	\$4,176	\$15,005	\$3,783
7		UNKNOWN	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	PURCHASES	COAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	NET	BIOMASS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		HYDRO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11		GAS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12		WIND	\$829,454	\$965,858	\$1,221,358	\$1,008,075	\$668,130	\$968,367	\$948,294	\$342,947	\$565,352	\$1,388,090	\$1,161,812	\$1,163,182
13		SOLAR	\$658	\$710	\$2,084	\$2,078	\$2,455	\$3,047	\$2,863	\$2,537	\$2,857	\$2,315	\$1,395	\$1,114
14		FUEL OIL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		UNKNOWN	\$4,019,312	\$5,059,360	\$5,084,503	\$3,154,379	\$3,503,429	\$2,836,539	\$3,045,393	\$3,698,231	\$3,218,471	\$2,831,983	\$3,016,813	\$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 DISTRIBUTION BY ENERGY TYPE:														
19	GENERATION	COAL	0.83463	0.88709	0.90014	0.84931	0.48483	0.84165	1.09842	1.00762	0.57986	0.99136	0.82449	0.97086
20		BIOMASS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21		HYDRO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22		GAS	0.01766	0.02058	0.00698	0.01203	0.00855	0.02183	0.03554	0.02064	-0.00259	0.02796	-0.00219	0.00702
23		WIND	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24		FUEL OIL	0.00030	0.00362	0.00205	0.00118	0.00168	0.00461	0.00781	0.00260	0.00151	0.00123	0.00393	0.00090
25		UNKNOWN	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26	PURCHASES	COAL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
27		BIOMASS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28		HYDRO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
29		GAS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30		WIND	0.15775	0.19886	0.27323	0.23758	0.19500	0.30377	0.25112	0.09250	0.16240	0.40762	0.30465	0.27685
31		SOLAR	0.00013	0.00015	0.00047	0.00049	0.00072	0.00096	0.00076	0.00068	0.00082	0.00068	0.00037	0.00027
32		FUEL OIL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
33		UNKNOWN	0.76441	1.04166	1.13746	0.74343	1.02251	0.88979	0.80645	0.99745	0.92453	0.83163	0.79108	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

MONTHLY COST COMPONENTS BY FUEL TYPE

	January	February	March	April	May	June	July	August	September	October	November	December
<b>Cost of delivered coal by plant</b> (1)	<b>[PROTECTED DATA BEGINS . . . .</b>											
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												
2011 Coyote cost per Mbtu												
2012 Coyote cost per Mbtu												
2013 Coyote cost per Mbtu												
2014 Coyote cost per Mbtu												
2015 Coyote cost per Mbtu												
2016 Coyote cost per Mbtu												
2017 Coyote cost per Mbtu												
2018 Coyote cost per Mbtu												
2019 Coyote cost per Mbtu												
2020 Coyote cost per Mbtu												
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												

. . . PROTECTED DATA ENDS]

Response to cost per Mbtu request from Burl Haar Letter of March 31, 2008 - Docket No. E999/DI-07-1582  
 Source of data: OTP Fuel cost per Million Btus for steam plants

MONTHLY COST COMPONENTS BY FUEL TYPE

	January	February	March	April	May	June	July	August	September	October	November	December
<b>Cost of delivered natural gas</b>	[PROTECTED DATA BEGINS . . . .											
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												

. . . PROTECTED 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	6.86	7.14	6.86	6.86	6.93	7.07	7.50	7.50	7.29	7.43	7.50	7.93
2005 IC Plants and FF Control Ctr diesel, \$/Mbtu	7.93	7.93	7.93	9.93	9.93	10.79	11.43	12.00	11.29	12.29	12.86	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	15.93
2007 IC Plants and FF Control Ctr diesel, \$/Mbtu	15.79	15.07	15.07	15.21	15.43	15.50	15.86	15.43	16.07	16.00	16.07	16.07
2008 IC Plants and FF Control Ctr diesel, \$/Mbtu	16.36	16.71	16.79	16.71	0	15.14	18.07	16.50	12.64	16.79	17.50	17.00
2009 IC Plants and FF Control Ctr diesel, \$/Mbtu	13.57	0.00	0.00	12.64	15.36	0.00	0.00	16.79	16.07	16.07	15.79	15.79
2010 IC Plants and FF Control Ctr diesel, \$/Mbtu	16.07	12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29	16.21	17.21
2011 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43	20.21	17.29
2012 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.29	17.29	20.57	20.57	20.57	19.86	19.93	20.93	14.29	22.07	17.93	22.21
2013 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.71	0.00	19.36	17.86	0.00	17.79	0.00	21.36	17.86	17.79	19.00	22.07
2014 IC Plants and FF Control Ctr diesel, \$/Mbtu	21.21	22.14	20.07	19.07	22.14	19.93	21.00	0.00	22.29	19.93	0.00	19.93
2015 IC Plants and FF Control Ctr diesel, \$/Mbtu	19.93	21.64	22.14	14.29	20.50	21.14	21.64	15.93	0.00	16.07	20.65	20.95
2016 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.62	21.32	18.20	22.14	16.36	22.13	21.15	22.22	20.18	16.15	16.15
2017 IC Plants and FF Control Ctr diesel, \$/Mbtu	0.00	20.37	19.32	16.87	20.19	16.72	20.13	20.17	21.67	21.90	17.28	22.11
2018 IC Plants and FF Control Ctr diesel, \$/Mbtu	20.67	16.15	18.70	22.11	18.42	16.57	20.86	19.42	17.50	20.05	20.05	16.61
2019 IC Plants and FF Control Ctr diesel, \$/Mbtu	18.78	17.74	17.13	17.82	16.80	0.00	0.00	0.00	0.00	17.11	17.81	16.72
2020 IC Plants and FF Control Ctr diesel, \$/Mbtu	17.40	17.05	14.38	15.67	15.69	14.92	15.23	14.65	14.28	14.65	14.54	14.28

**Cost of wholesale purchases (\$/MWh) without RSG or RNU charges (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	61.28	74.56	69.65	68.19	39.65	49.85	57.12	52.07	42.47	45.91	49.02	52.47
2009 Purchased Power	59.90	59.86	32.18	26.22	34.01	32.41	32.04	38.92	37.51	44.60	36.69	41.36
2010 Purchased Power	58.11	57.90	49.57	49.04	37.80	33.02	37.69	41.60	40.25	39.47	28.31	33.43
2011 Purchased Power	35.68	35.89	31.89	32.53	38.17	84.70	12.52	48.38	35.39	31.31	26.86	32.18
2012 Purchased Power	31.08	30.72	30.75	25.00	29.55	34.91	38.41	45.41	38.95	28.64	30.13	31.64
2013 Purchased Power	33.82	32.37	31.50	36.33	35.14	30.56	36.22	38.82	47.32	31.31	31.04	39.19
2014 Purchased Power	39.32	48.75	49.66	27.76	48.69	33.97	32.60	29.36	28.60	33.58	33.55	34.85
2015 Purchased Power	38.50	35.43	35.23	28.46	28.50	27.05	28.15	31.51	27.51	27.00	21.91	21.44
2016 Purchased Power	27.88	25.03	23.90	23.15	22.89	24.35	34.24	36.67	29.49	24.10	26.47	27.93
2017 Purchased Power	29.77	25.82	27.00	28.86	28.80	28.26	28.93	26.62	25.05	25.17	31.12	22.29
2018 Purchased Power	36.16	31.00	27.24	29.54	29.23	28.62	38.93	36.53	30.21	28.62	30.66	34.45
2019 Purchased Power	29.84	36.30	34.16	28.04	24.78	22.66	24.02	22.08	27.57	22.86	27.63	24.12
2020 Purchased Power	23.99	26.18	24.00	21.89	18.96	14.65	19.85	20.78	18.99	19.48	12.12	26.77

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

(2) Is not retail



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

Charge Type Description		System - Retail	Minnesota - Retail
		January - December 2020	January - December 2020
<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>			
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	RT Distribution of Losses Amount	\$ (1,313,382.56)	\$ (665,328.82)
6	RT FBT Loss Amount	\$ -	\$ -
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	\$ -	\$ -
<b>Virtual Energy</b>			
11	DA Virtual Energy Amount	\$ -	\$ -
12	RT Virtual Energy Amount	\$ -	\$ -
<b>Schedules 16 &amp; 17</b>			
13	DA Mkt Admin Amount	\$ 673,462.13	\$ 341,160.13
14	RT Mkt Admin Amount	\$ 77,563.35	\$ 39,291.78
15	FTR Mkt Admin Amount	\$ 33,387.60	\$ 16,913.38
<b>Congest &amp; FTRs</b>			
16	DA FBT Congestion Amount	\$ -	\$ -
17	DA Congestion	\$ 1,544,000.25	\$ 782,154.34
18	RT FBT Congestion Amount	\$ -	\$ -
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	FTR Auction Revenue Rights Transaction Amount	\$ (3,908,969.54)	\$ (1,980,192.34)
27	FTR Annual Transaction Amount	\$ 3,881,047.24	\$ 1,966,047.56
28	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 27,370.76	\$ 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	\$ -	\$ -
<b>RSG &amp; Make Whole Payments</b>			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 96,996.05	\$ 49,135.93
32	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (65,293.05)	\$ (33,075.93)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 115,428.49	\$ 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)
<b>Revenue Neutrality Uplift</b>			
36	RT Revenue Neutrality Uplift Amount	\$ 1,059,328.28	\$ 536,630.88
<b>Other Charges</b>			
37	RT Misc Amount	\$ 81,790.37	\$ 41,433.08
38	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
41	DA Ramp Product	\$ (14,498.71)	\$ (7,344.71)
42	RT Ramp Product	\$ 183.45	\$ 92.93
43	RT Schedule 49 Cost Distribution Amount	\$ 143,013.91	\$ 72,447.49
<b>ASM Charges</b>			
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
<b>Grandfathered Charge Types</b>			
46	DA Congestion Rebate on COGA	\$ -	\$ -
47	DA Losses Rebate on COGA	\$ -	\$ -
48	RT Congestion Rebate on COGA	\$ -	\$ -
49	RT Loss Rebate on COGA	\$ -	\$ -
50	<b>TOTAL CHARGES</b>	\$ 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	No DA generation sch., but still had output	\$ (9,904.48)	
54	MISO RSG Bad Debt	\$ -	
	<b>Total 2020 MISO Charges</b>	\$ 33,549,711.81	

Percent of Minnesota Sales to System (2,422,847,336 / 4,782,786,157) = 0.506576555

Fuel Costs Allocated to Minnesota (\$97,122,863) x 0.506576555 = \$49,200,166

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(E) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
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	\$-
4	RT Non-Asset Energy Amount	555.26	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
5	<b>SUBTOTAL</b>		<b>(480,380)</b>	<b>\$(8,618,457.41)</b>	<b>348,388</b>	<b>\$6,007,815.07</b>	<b>0</b>	<b>\$-</b>	<b>407</b>	<b>\$12,032.43</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$-	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(361,999.70)</b>	<b>0</b>	<b>\$141,206.44</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Schedules 16 &amp; 17</b>														
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	FTR Mkt Admin Amount	555.13	0	\$(2,188.88)	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(85,634.30)</b>	<b>0</b>	<b>\$391.10</b>	<b>0</b>	<b>\$(1,430.68)</b>	<b>0</b>	<b>\$68.66</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
21	DA Congestion		0	\$-	0	\$35,028.96	0	\$-	0	\$-	0	\$-	0	\$-
22	RT FBT Congestion Amount	555.20	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
23	RT Congestion		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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(356,518.02)</b>	<b>0</b>	<b>\$613,754.92</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$(8,144.35)	0	\$3.50	0	\$(251.54)	0	\$0.10	0	\$-	0	\$-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$-	0	\$1,339.14	0	\$-	0	\$-	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	\$-	0	\$-	0	\$-	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(12,633.76)</b>	<b>0</b>	<b>\$9,891.50</b>	<b>0</b>	<b>\$(390.04)</b>	<b>0</b>	<b>\$1,560.58</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RNU &amp; Misc Charges</b>														
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	RT Schedule 49 Cost Distribution Amount	555.65	0	\$(18,534.76)	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(72,203.91)</b>	<b>0</b>	<b>\$18,476.40</b>	<b>0</b>	<b>\$(1,449.33)</b>	<b>0</b>	<b>\$430.55</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>ASM Charges</b>														
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 Excessive Energy Amount	555.56	(11)	\$(198.16)	23	\$52.29	0	\$-	13	\$198.16	0	\$-	0	\$-
53	<b>SUBTOTAL</b>		<b>(37,297)</b>	<b>\$(516,395.39)</b>	<b>7,919</b>	<b>\$127,612.65</b>	<b>(6)</b>	<b>\$(385.05)</b>	<b>13,941</b>	<b>\$341,538.22</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>



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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE				
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh		
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(M) Revenue	(M) Revenue					
<b>Grandfathered Charge Types</b>														
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	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(517,677)</b>	<b>\$ (10,023,842.49)</b>	<b>356,308</b>	<b>\$ 6,919,148.08</b>	<b>(6)</b>	<b>\$ (3,655.10)</b>	<b>14,348</b>	<b>\$ 355,630.44</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(85,634.30)		\$ 391.10								
61	Congestion and Losses Adjustment		\$	5,242.58										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(9,943,450.77)		\$ 6,918,756.98								
66	Net Retail for MN Energy Adjustment Rider				\$	(3,024,693.79)								
67	Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>														
68	NET MISO (Rev.-Cost and MWh)									\$ 351,975.34			\$ -	
69	Less: Fuel Cost							14,342	\$ 322,329.85				\$ -	
70	Less: Misc Cost Adjustment								\$ -				\$ -	
71	Plus: Capacity Revenue												\$ -	
72	Plus: Bilateral Sales												\$ -	
73	Less: Bilateral Purchases												\$ -	
74	Less: Schedule 24 for Asset Based Sales								\$ 163.45				\$ -	
75														
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>								<b>\$ 29,482.04</b>				<b>\$ -</b>	

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(E) MWh	(G) Revenue	(H) MWh	(I) Revenue	(K) MWh	(L) Cost	(M) MWh	(N) Revenue		
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(457,276)	\$ (8,606,199.82)	285,015	\$ 5,324,974.61	0	\$ -	359	\$ 8,738.12	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	5,108	\$ 91,929.24	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(7,172)	\$ (448,941.85)	11,899	\$ 206,094.94	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	<b>SUBTOTAL</b>		<b>(464,448)</b>	<b>\$ (9,055,141.67)</b>	<b>302,021</b>	<b>\$ 5,622,998.79</b>	<b>0</b>	<b>\$ -</b>	<b>359</b>	<b>\$ 8,738.12</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (365,349.50)</b>	<b>0</b>	<b>\$ 131,236.99</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (73,456.67)</b>	<b>0</b>	<b>\$ 803.88</b>	<b>0</b>	<b>\$ (1,038.64)</b>	<b>0</b>	<b>\$ 58.21</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
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	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (320,588.94)</b>	<b>0</b>	<b>\$ 530,209.64</b>	<b>0</b>	<b>\$ (128.18)</b>	<b>0</b>	<b>\$ 198.95</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (3.56)	0	\$ 10,016.73	0	\$ (0.06)	0	\$ 192.14	0	\$ -	0	\$ -
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (6,701.26)</b>	<b>0</b>	<b>\$ 10,379.42</b>	<b>0</b>	<b>\$ (128.18)</b>	<b>0</b>	<b>\$ 198.95</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (408.44)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (7,526.96)	0	\$ 4,036.36	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (36,525.91)	0	\$ 12,600.29	0	\$ (700.35)	0	\$ 241.57	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ -	0	\$ -	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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (71,052.32)</b>	<b>0</b>	<b>\$ 18,244.56</b>	<b>0</b>	<b>\$ (700.35)</b>	<b>0</b>	<b>\$ 241.57</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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)	\$ -	9	\$ 86.69	0	\$ -	0	\$ -
53	<b>SUBTOTAL</b>		<b>(31,273)</b>	<b>\$ (477,704.03)</b>	<b>7,068</b>	<b>\$ 113,942.54</b>	<b>(68)</b>	<b>\$ (1,608.16)</b>	<b>10,029</b>	<b>\$ 172,880.27</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>

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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE				
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh		
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue					
<b>Grandfathered Charge Types</b>														
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	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(495,721) \$</b>	<b>(10,369,994.39)</b>	<b>309,090</b>	<b>\$ 6,427,815.82</b>	<b>(68) \$</b>	<b>(3,475.33)</b>	<b>10,388</b>	<b>\$ 182,117.12</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(73,456.67)		\$ 803.88								
61	Congestion and Losses Adjustment		\$	5,063.20										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(10,301,600.92)		\$ 6,427,011.94								
66	Net Retail for MN Energy Adjustment Rider				\$	(3,874,588.98)								
67	Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>														
68	NET MISO (Rev-Cost and MWh)								\$	178,641.79			\$	-
69	Less: Fuel Cost								10,086	\$ 203,193.09				
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									\$ 133.91				
75														
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ (24,685.21)</b>				<b>\$ -</b>

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) ASSET BASED WHOLESALE				(D) NON ASSET BASED WHOLESALE					
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(465,425)	(\$ 7,130,947.94)	294,832	\$ 4,669,985.59	0	\$ -	1,630	\$ 34,872.82	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	5,318	\$ 88,748.64	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(17,780)	(\$ 1,012,381.51)	7,212	\$ 120,806.66	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	<b>SUBTOTAL</b>		<b>(483,205)</b>	<b>(\$ 8,143,329.45)</b>	<b>307,362</b>	<b>\$ 4,879,540.89</b>	<b>0</b>	<b>\$ -</b>	<b>1,630</b>	<b>\$ 34,872.82</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (410,592.98)</b>	<b>0</b>	<b>\$ 99,593.92</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (65,413.04)</b>	<b>0</b>	<b>\$ 1,731.44</b>	<b>0</b>	<b>\$ (1,188.62)</b>	<b>0</b>	<b>\$ 208.13</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (11,426.03)	0	\$ 8,264.49	0	\$ -	0	\$ -	0	\$ -	0	\$ -
29	FTR Guarantee Uplift Amount	555.37	0	\$ (8,264.49)	0	\$ 11,426.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (11,997.28)	0	\$ 246,097.41	0	\$ -	0	\$ -	0	\$ -	0	\$ -
31	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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 24,439.24	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (342,060.07)</b>	<b>0</b>	<b>\$ 416,738.95</b>	<b>0</b>	<b>\$ (280.08)</b>	<b>0</b>	<b>\$ 1,694.60</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
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	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 1,539.03	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (0.16)	0	\$ 5,117.84	0	\$ -	0	\$ 140.98	0	\$ -	0	\$ -
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (10,181.09)</b>	<b>0</b>	<b>\$ 5,654.13</b>	<b>0</b>	<b>\$ (280.08)</b>	<b>0</b>	<b>\$ 1,694.60</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
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	\$ -	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	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (30,558.64)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (111,009.22)</b>	<b>0</b>	<b>\$ 34,788.47</b>	<b>0</b>	<b>\$ (1,662.63)</b>	<b>0</b>	<b>\$ 825.59</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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 Excessive Energy Amount	555.56	0	\$ (86.19)	276	\$ -	0	\$ -	66	\$ 746.58	0	\$ -	0	\$ -
53	<b>SUBTOTAL</b>		<b>(44,400)</b>	<b>\$ (612,822.91)</b>	<b>6,720</b>	<b>\$ 67,188.33</b>	<b>(795)</b>	<b>\$ (15,408.03)</b>	<b>12,554</b>	<b>\$ 251,942.97</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>

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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE				
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh		
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(M) Revenue	(M) Revenue					
<b>Grandfathered Charge Types</b>														
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	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(527,605) \$</b>	<b>(9,695,408.76)</b>	<b>314,081</b>	<b>\$</b>	<b>5,505,236.13</b>	<b>(795) \$</b>	<b>(18,539.36)</b>	<b>14,184</b>	<b>\$</b>	<b>289,544.11</b>	<b>0 \$</b>	<b>-</b>
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(65,413.04)		\$	1,731.44							
61	Congestion and Losses Adjustment		\$	(3,078.40)										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(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%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>														
68	NET MISO (Rev-Cost and MWh)												\$	-
69	Less: Fuel Cost								13,380	\$	271,004.75		\$	-
70	Less: Misc Cost Adjustment									\$	-		\$	-
71	Plus: Capacity Revenue												\$	-
72	Plus: Bilateral Sales												\$	-
73	Less: Bilateral Purchases												\$	-
74	Less: Schedule 24 for Asset Based Sales									\$	195.26		\$	-
75														
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									\$	<b>34,478.15</b>		\$	<b>-</b>

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) ASSET BASED WHOLESALE				(D) NON ASSET BASED WHOLESALE					
			(B) MWh	(C) Cost	(D) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(373,173)	\$(4,892,184.72)	259,473	\$3,518,063.58	0	\$-	4,206	\$90,094.28	0	\$-	0	\$-
2	DA Non-asset Energy Amount	555.09	0	\$-	4,650	\$66,425.10	0	\$-	0	\$-	0	\$-	0	\$-
3	RT Asset Energy Amount	555.19	(13,879)	\$(479,833.45)	7,539	\$108,382.72	0	\$-	0	\$-	0	\$-	0	\$-
4	RT Non-Asset Energy Amount	555.26	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
5	<b>SUBTOTAL</b>		<b>(387,053)</b>	<b>\$(5,372,018.17)</b>	<b>271,662</b>	<b>\$3,692,871.40</b>	<b>0</b>	<b>\$-</b>	<b>4,206</b>	<b>\$90,094.28</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
7	RT Distribution of Losses Amount	555.24	0	\$(7,846.75)	0	\$93,626.23	0	\$-	0	\$-	0	\$-	0	\$-
8	RT FBT Loss Amount	555.21	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
9	DA Loss Amount		0	\$(278,335.85)	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
10	RT Loss Amount		0	\$2,457.48	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
11	DA Losses Rebate on Option B GFA	555.08	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(283,725.12)</b>	<b>0</b>	<b>\$93,626.23</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$(62,624.84)	0	\$-	0	\$(378.58)	0	\$-	0	\$-	0	\$-
17	RT Mkt Admin Amount	555.18	0	\$(7,567.29)	0	\$290.61	0	\$(1,956.97)	0	\$62.77	0	\$-	0	\$-
18	FTR Mkt Admin Amount	555.13	0	\$(3,228.80)	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(73,420.93)</b>	<b>0</b>	<b>\$290.61</b>	<b>0</b>	<b>\$(2,335.55)</b>	<b>0</b>	<b>\$62.77</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
21	DA Congestion		0	\$-	0	\$(181,677.88)	0	\$-	0	\$-	0	\$-	0	\$-
22	RT FBT Congestion Amount	555.20	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
23	RT Congestion		0	\$34,436.72	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
24	FTR Hourly Allocation Amount	555.14	0	\$(65,444.13)	0	\$261,031.58	0	\$-	0	\$-	0	\$-	0	\$-
25	FTR Monthly Allocation Amount	555.15	0	\$-	0	\$8,590.34	0	\$-	0	\$-	0	\$-	0	\$-
26	FTR Yearly Allocation Amount	555.17	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
27	FTR Monthly Transaction Amount	555.35	0	\$-	0	\$60,323.36	0	\$-	0	\$-	0	\$-	0	\$-
28	FTR Full Funding Guarantee Amount	555.36	0	\$(8,401.12)	0	\$23,044.09	0	\$-	0	\$-	0	\$-	0	\$-
29	FTR Guarantee Uplift Amount	555.37	0	\$(23,044.09)	0	\$8,401.12	0	\$-	0	\$-	0	\$-	0	\$-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$(11,997.28)	0	\$246,097.41	0	\$-	0	\$-	0	\$-	0	\$-
31	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	\$-	0	\$-	0	\$-	0	\$-	0	\$-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$-	0	\$24,439.26	0	\$-	0	\$-	0	\$-	0	\$-
34	DA Congestion Rebate on Option B GFA	555.07	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(324,498.75)</b>	<b>0</b>	<b>\$463,484.00</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$476.17</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$(6,777.01)	0	\$5.42	0	\$(254.89)	0	\$0.20	0	\$-	0	\$-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$-	0	\$4,842.21	0	\$-	0	\$-	0	\$-	0	\$-
38	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	\$-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$-	0	\$-	0	\$-	0	\$79.71	0	\$-	0	\$-
40	RT Price Volatility Make Whole Payment	555.42	0	\$-	0	\$10,373.95	0	\$-	0	\$390.44	0	\$-	0	\$-
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(10,613.28)</b>	<b>0</b>	<b>\$15,379.08</b>	<b>0</b>	<b>\$(398.93)</b>	<b>0</b>	<b>\$476.17</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$(4,979.98)	0	\$2,131.65	0	\$-	0	\$-	0	\$-	0	\$-
43	RT Net Inadvertent Amount	555.27	0	\$(4,682.30)	0	\$13,301.82	0	\$-	0	\$-	0	\$-	0	\$-
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	555.31	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	\$513.77	0	\$-	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	\$-	0	\$-	0	\$-
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(86,729.60)</b>	<b>0</b>	<b>\$32,208.44</b>	<b>0</b>	<b>\$(2,506.43)</b>	<b>0</b>	<b>\$605.23</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>ASM Charges</b>														
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	<b>SUBTOTAL</b>		<b>(39,826)</b>	<b>\$(426,061.30)</b>	<b>8,799</b>	<b>\$70,301.71</b>	<b>(2,634)</b>	<b>\$(32,357.34)</b>	<b>15,322</b>	<b>\$262,212.27</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>

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

Charge Type Description	(A) Acct	(B) RETAIL (C) Cost (D) MWh (E) Revenue				(F) ASSET BASED WHOLESALE (G) Cost (H) MWh (I) Revenue				(J) NON ASSET BASED WHOLESALE (K) Cost (L) MWh (M) Revenue							
		MWh		Cost		MWh		Cost		MWh		Cost		MWh		Cost	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																	
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
58	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(426,879) \$</b>	<b>(6,577,067.15)</b>	<b>280,461</b>	<b>\$ 4,368,161.47</b>			<b>(2,634) \$</b>	<b>(37,598.25)</b>	<b>19,528</b>	<b>\$ 353,450.72</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(73,420.93)		\$ 290.61											
61	Congestion and Losses Adjustment		\$	1,414.46													
62	No DA generation sch., but still had output for current month		\$	-													
63																	
64																	
65	Total for MN Energy Adjustment Rider		\$	(6,505,060.68)		\$ 4,367,870.86											
66	Net Retail for MN Energy Adjustment Rider				\$	(2,137,189.82)											
67	Retail MWh include losses of 2.8%																
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>																	
68	NET MISO (Rev-Cost and MWh)																
69	Less: Fuel Cost											\$ 315,852.47				\$ -	
70	Less: Misc Cost Adjustment										16,822	\$ 277,430.49				\$ -	
71	Plus: Capacity Revenue											\$ -				\$ -	
72	Plus: Bilateral Sales											\$ -				\$ -	
73	Less: Bilateral Purchases											\$ -				\$ -	
74	Less: Schedule 24 for Asset Based Sales											\$ 324.36				\$ -	
75																	
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>											<b>\$ 38,097.62</b>				<b>\$ -</b>	

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) ASSET BASED WHOLESALE				(D) NON ASSET BASED WHOLESALE					
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
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	\$-	3,814	\$57,454.42	0	\$-	0	\$-	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	\$-	0	\$-	0	\$-	0	\$-	0	\$-
5	<b>SUBTOTAL</b>		<b>(325,387)</b>	<b>\$(4,357,342.41)</b>	<b>153,158</b>	<b>\$1,961,440.96</b>	<b>0</b>	<b>\$-</b>	<b>4</b>	<b>\$80.90</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(159,952.75)</b>	<b>0</b>	<b>\$75,277.34</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$(45,758.07)	0	\$-	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(54,534.75)</b>	<b>0</b>	<b>\$294.61</b>	<b>0</b>	<b>\$(939.00)</b>	<b>0</b>	<b>\$58.42</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Congestion &amp; FTRs</b>														
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	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
28	FTR Full Funding Guarantee Amount	555.36	0	\$(15,578.83)	0	\$32,294.57	0	\$-	0	\$-	0	\$-	0	\$-
29	FTR Guarantee Uplift Amount	555.37	0	\$(32,294.57)	0	\$16,813.91	0	\$-	0	\$-	0	\$-	0	\$-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$(11,997.28)	0	\$246,097.41	0	\$-	0	\$-	0	\$-	0	\$-
31	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	\$-	0	\$-	0	\$-	0	\$-	0	\$-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$-	0	\$24,439.26	0	\$-	0	\$-	0	\$-	0	\$-
34	DA Congestion Rebate on Option B GFA	555.07	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(697,130.25)</b>	<b>0</b>	<b>\$812,958.06</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$309.60</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RSG &amp; Make Whole Payments</b>														
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	\$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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(7,820.51)</b>	<b>0</b>	<b>\$7,914.06</b>	<b>0</b>	<b>\$(156.79)</b>	<b>0</b>	<b>\$309.60</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RNU &amp; Misc Charges</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(82,629.28)</b>	<b>0</b>	<b>\$54,633.56</b>	<b>0</b>	<b>\$(1,133.08)</b>	<b>0</b>	<b>\$875.95</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>ASM Charges</b>														
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	<b>SUBTOTAL</b>		<b>(20,855)</b>	<b>\$(323,143.13)</b>	<b>4,837</b>	<b>\$77,562.76</b>	<b>0</b>	<b>\$-</b>	<b>8,525</b>	<b>\$102,909.05</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>



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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE				
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh		
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(M) Revenue	(M) Revenue					
<b>Grandfathered Charge Types</b>														
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	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(346,242) \$</b>	<b>(5,682,553.08)</b>	<b>157,995</b>	<b>\$ 2,990,081.35</b>		<b>0 \$</b>	<b>(2,228.87)</b>	<b>8,529</b>	<b>\$ 104,233.92</b>		<b>0 \$</b>	<b>-</b>
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(54,534.75)		\$ 294.61								
61	Congestion and Losses Adjustment		\$	2,034.94										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(5,630,053.27)		\$ 2,989,786.74								
66	Net Retail for MN Energy Adjustment Rider				\$	(2,640,266.53)								
67	Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>														
68	NET MISO (Rev.-Cost and MWh)								\$	102,005.05			\$	-
69	Less: Fuel Cost								8,529	\$ 130,265.42				
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									\$ 120.88				
75														
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ (28,381.25)</b>				<b>\$ -</b>

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(E) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
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	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	<b>SUBTOTAL</b>		<b>(364,788)</b>	<b>\$ (4,969,066.98)</b>	<b>163,464</b>	<b>\$ 2,254,267.65</b>	<b>0</b>	<b>\$ -</b>	<b>2,158</b>	<b>\$ 53,154.64</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (168,059.61)</b>	<b>0</b>	<b>\$ 85,352.59</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (49,255.02)	0	\$ -	0	\$ (210.33)	0	\$ -	0	\$ -	0	\$ -
17	RT Mkt Admin Amount	555.18	0	\$ (6,463.20)	0	\$ 476.57	0	\$ (1,657.02)	0	\$ 88.40	0	\$ -	0	\$ -
18	FTR Mkt Admin Amount	555.13	0	\$ (3,253.60)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (58,971.82)</b>	<b>0</b>	<b>\$ 476.57</b>	<b>0</b>	<b>\$ (1,867.35)</b>	<b>0</b>	<b>\$ 88.40</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		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	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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 30,460.86	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (920,233.30)</b>	<b>0</b>	<b>\$ 1,815,578.83</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (8,784.58)</b>	<b>0</b>	<b>\$ 54,044.47</b>	<b>0</b>	<b>\$ (417.63)</b>	<b>0</b>	<b>\$ 5,485.67</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (65,930.02)	0	\$ 199.33	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (4,865.11)	0	\$ 2,366.56	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	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (182,213.36)</b>	<b>0</b>	<b>\$ 28,544.62</b>	<b>0</b>	<b>\$ (4,923.92)</b>	<b>0</b>	<b>\$ 1,198.63</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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	<b>SUBTOTAL</b>		<b>(28,042)</b>	<b>\$ (297,586.00)</b>	<b>9,953</b>	<b>\$ 179,052.64</b>	<b>(229)</b>	<b>\$ (6,122.70)</b>	<b>14,380</b>	<b>\$ 211,382.34</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>

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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE			
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh	
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(M) Revenue	(M) Revenue				
<b>Grandfathered Charge Types</b>													
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 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(392,830) \$</b>	<b>(6,604,915.65)</b>	<b>173,417</b>	<b>\$ 4,417,317.37</b>	<b>(229) \$</b>	<b>(13,331.60)</b>	<b>16,538</b>	<b>\$ 271,309.68</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
60 Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(58,971.82)	\$	476.57								
61 Congestion and Losses Adjustment		\$	40,461.12										
62 No DA generation sch., but still had output for current month		\$	-										
63													
64													
65 Total for MN Energy Adjustment Rider		\$	(6,586,404.95)	\$	4,416,840.80								
66 Net Retail for MN Energy Adjustment Rider				\$	(2,169,564.15)								
67 Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>													
68 NET MISO (Rev-Cost and MWh)									\$ 257,978.08			\$	-
69 Less: Fuel Cost								16,308	\$ 256,601.47				
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								\$	224.99			\$	-
75													
76 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ 1,151.62</b>			<b>\$</b>	<b>-</b>

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) ASSET BASED WHOLESALE				(D) NON ASSET BASED WHOLESALE					
			(B) MWh	(C) Cost	(D) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(393,719)	\$(7,262,577.52)	258,578	\$4,991,355.63	0	\$-	1,247	\$38,760.28	0	\$-	0	\$-
2	DA Non-asset Energy Amount	555.09	0	\$-	4,150	\$94,331.52	0	\$-	0	\$-	0	\$-	0	\$-
3	RT Asset Energy Amount	555.19	(9,031)	\$(221,511.01)	10,192	\$219,039.73	0	\$-	0	\$-	0	\$-	0	\$-
4	RT Non-Asset Energy Amount	555.26	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
5	<b>SUBTOTAL</b>		<b>(402,749)</b>	<b>\$(7,484,088.53)</b>	<b>272,920</b>	<b>\$5,304,726.88</b>	<b>0</b>	<b>\$-</b>	<b>1,247</b>	<b>\$38,760.28</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
9	DA Loss Amount		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	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(320,880.55)</b>	<b>0</b>	<b>\$114,258.24</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Schedules 16 &amp; 17</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(59,969.98)</b>	<b>0</b>	<b>\$401.30</b>	<b>0</b>	<b>\$(1,952.86)</b>	<b>0</b>	<b>\$72.41</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Congestion &amp; FTRs</b>														
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	\$-	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	\$-	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(974,196.96)</b>	<b>0</b>	<b>\$1,604,888.92</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RSG &amp; Make Whole Payments</b>														
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	\$-	0	\$56,482.12	0	\$-	0	\$3,815.24	0	\$-	0	\$-
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(27,732.88)</b>	<b>0</b>	<b>\$58,720.83</b>	<b>0</b>	<b>\$(1,872.82)</b>	<b>0</b>	<b>\$44,037.64</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$(150.68)	0	\$21.84	0	\$-	0	\$-	0	\$-	0	\$-
43	RT Net Inadvertent Amount	555.27	0	\$(28,388.63)	0	\$5,788.48	0	\$-	0	\$-	0	\$-	0	\$-
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$(37,286.42)	0	\$23,180.90	0	\$(2,518.28)	0	\$1,565.63	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	\$5,980.66	0	\$-	0	\$-	0	\$-	0	\$-
48	RT Ramp Product	555.64	0	\$(33.15)	0	\$439.20	0	\$-	0	\$-	0	\$-	0	\$-
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$(6,478.14)	0	\$21.49	0	\$-	0	\$-	0	\$-	0	\$-
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(72,337.02)</b>	<b>0</b>	<b>\$35,432.57</b>	<b>0</b>	<b>\$(2,518.28)</b>	<b>0</b>	<b>\$1,565.63</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>ASM Charges</b>														
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)	\$-	25	\$127.77	(0)	\$(0.22)	9	\$127.77	0	\$-	0	\$-
53	<b>SUBTOTAL</b>		<b>(43,444)</b>	<b>\$(632,544.21)</b>	<b>7,979</b>	<b>\$140,252.41</b>	<b>(166)</b>	<b>\$(3,459.70)</b>	<b>20,453</b>	<b>\$347,322.48</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>



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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) ASSET BASED WHOLESALE				(D) NON ASSET BASED WHOLESALE					
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
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	555.09	0	\$ -	4,369	\$ 95,073.85	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(8,736)	\$ (317,656.30)	10,750	\$ 213,842.55	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	<b>SUBTOTAL</b>		<b>(395,317)</b>	<b>\$ (7,065,764.75)</b>	<b>249,671</b>	<b>\$ 4,606,157.24</b>	<b>0</b>	<b>\$ -</b>	<b>790</b>	<b>\$ 28,111.79</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (287,245.59)</b>	<b>0</b>	<b>\$ 130,858.33</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (54,705.58)</b>	<b>0</b>	<b>\$ 296.39</b>	<b>0</b>	<b>\$ (1,422.61)</b>	<b>0</b>	<b>\$ 40.85</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
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	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		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	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 45,569.16	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	\$ (45,045.34)	0	\$ 27,805.26	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	\$ -	0	\$ 30,342.39	0	\$ -	0	\$ -	0	\$ -	0	\$ -
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (860,533.72)</b>	<b>0</b>	<b>\$ 969,714.19</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
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	555.11	0	\$ -	0	\$ 5,949.13	0	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (18,264.23)</b>	<b>0</b>	<b>\$ 30,347.61</b>	<b>0</b>	<b>\$ (848.51)</b>	<b>0</b>	<b>\$ 14,660.21</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (61,472.85)</b>	<b>0</b>	<b>\$ 24,537.42</b>	<b>0</b>	<b>\$ (1,687.23)</b>	<b>0</b>	<b>\$ 483.54</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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	<b>SUBTOTAL</b>		<b>(37,272)</b>	<b>\$ (662,762.82)</b>	<b>4,301</b>	<b>\$ 80,497.75</b>	<b>(101)</b>	<b>\$ (2,894.93)</b>	<b>16,864</b>	<b>\$ 364,203.50</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>



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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(E) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
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 Non-asset Energy Amount	555.09	0	\$-	4,198	\$83,307.48	0	\$-	0	\$-	0	\$-	0	\$-
3	RT Asset Energy Amount	555.19	(1,825)	\$(227,482.57)	28,787	\$475,030.35	0	\$-	0	\$-	0	\$-	0	\$-
4	RT Non-Asset Energy Amount	555.26	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
5	<b>SUBTOTAL</b>		<b>(353,549)</b>	<b>\$(5,468,917.38)</b>	<b>233,104</b>	<b>\$3,621,790.60</b>	<b>0</b>	<b>\$-</b>	<b>1,629</b>	<b>\$56,660.43</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
9	DA Loss Amount		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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(607,819.02)</b>	<b>0</b>	<b>\$550,505.53</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Schedules 16 &amp; 17</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(51,760.58)</b>	<b>0</b>	<b>\$486.03</b>	<b>0</b>	<b>\$(3,059.69)</b>	<b>0</b>	<b>\$68.57</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Congestion &amp; FTRs</b>														
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	DA Congestion Rebate on Option B GFA	555.07	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(762,704.71)</b>	<b>0</b>	<b>\$1,229,519.55</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$(11,286.77)	0	\$63.69	0	\$(1,106.15)	0	\$6.24	0	\$-	0	\$-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$-	0	\$2,720.90	0	\$-	0	\$164.70	0	\$-	0	\$-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	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	555.30	0	\$-	0	\$-	0	\$-	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(27,170.11)</b>	<b>0</b>	<b>\$16,827.22</b>	<b>0</b>	<b>\$(2,662.54)</b>	<b>0</b>	<b>\$6,562.25</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RNU &amp; Misc Charges</b>														
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	\$-
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(585,869.78)</b>	<b>0</b>	<b>\$36,710.30</b>	<b>0</b>	<b>\$(56,304.90)</b>	<b>0</b>	<b>\$290.95</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>ASM Charges</b>														
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	<b>SUBTOTAL</b>		<b>(23,303)</b>	<b>\$(376,977.01)</b>	<b>7,634</b>	<b>\$137,674.96</b>	<b>(310)</b>	<b>\$(49,698.99)</b>	<b>35,022</b>	<b>\$563,061.22</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>



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

Charge Type Description	(A) Acct	(B) RETAIL (C) Cost (D) MWh (E) Revenue				(F) ASSET BASED WHOLESALE (G) Cost (H) MWh (I) Revenue				(J) NON ASSET BASED WHOLESALE (K) Cost (L) MWh (M) Revenue							
		MWh		Cost		MWh		Cost		MWh		Cost		MWh		Cost	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																	
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
58	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(376,852) \$</b>	<b>(7,881,208.59)</b>	<b>240,737</b>	<b>\$ 5,593,514.19</b>			<b>(310) \$</b>	<b>(111,726.12)</b>	<b>36,651</b>	<b>\$ 626,643.42</b>			<b>0 \$</b>	<b>-</b>	
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(51,750.58)		\$ 486.03											
61	Congestion and Losses Adjustment		\$	25,655.48													
62	No DA generation sch., but still had output for current month		\$	-													
63																	
64																	
65	Total for MN Energy Adjustment Rider		\$	(7,855,113.49)		\$ 5,593,028.16											
66	Net Retail for MN Energy Adjustment Rider				\$	(2,262,085.33)											
67	Retail MWh include losses of 2.8%																
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>																	
68	NET MISO (Rev-Cost and MWh)											\$ 514,917.30			\$	-	
69	Less: Fuel Cost										36,341	\$ 653,315.42					
70	Less: Misc Cost Adjustment											\$ -			\$	-	
71	Plus: Capacity Revenue														\$	-	
72	Plus: Bilateral Sales														\$	-	
73	Less: Bilateral Purchases														\$	-	
74	Less: Schedule 24 for Asset Based Sales											\$ 445.36			\$	-	
75																	
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>											<b>\$ (138,843.48)</b>			<b>\$</b>	<b>-</b>	

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(E) ASSET BASED WHOLESALE				(M) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue		
													REVENUE	
<b>Day Ahead &amp; Real Time Energy</b>														
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	RT Non-Asset Energy Amount	555.26	(4)	\$ (2,557.34)	0	\$ 2,492.99	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	<b>SUBTOTAL</b>		<b>(375,666)</b>	<b>\$ (5,478,131.10)</b>	<b>230,523</b>	<b>\$ 3,159,628.11</b>	<b>0</b>	<b>\$ -</b>	<b>2,131</b>	<b>\$ 65,158.50</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (179,488.63)</b>	<b>0</b>	<b>\$ 97,777.98</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
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	FTR Mkt Admin Amount	555.13	0	\$ (2,031.20)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (59,159.12)</b>	<b>0</b>	<b>\$ 356.92</b>	<b>0</b>	<b>\$ (1,163.28)</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$ 87,908.44	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		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	DA Congestion Rebate on Option B GFA	555.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (637,665.03)</b>	<b>0</b>	<b>\$ 1,256,665.55</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
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 Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 18,413.91	0	\$ -	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	\$ -	0	\$ -	0	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (25,566.10)</b>	<b>0</b>	<b>\$ 31,137.06</b>	<b>0</b>	<b>\$ (827.89)</b>	<b>0</b>	<b>\$ 5,160.33</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
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	\$ 269.88	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (317.42)	0	\$ 66.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (6,414.60)	0	\$ 54.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (90,337.70)</b>	<b>0</b>	<b>\$ 40,209.18</b>	<b>0</b>	<b>\$ (2,544.30)</b>	<b>0</b>	<b>\$ 1,148.82</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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	\$ 31.30	0	\$ -	2	\$ 31.30	0	\$ -	0	\$ -
53	<b>SUBTOTAL</b>		<b>(29,735)</b>	<b>\$ (449,498.10)</b>	<b>10,035</b>	<b>\$ 163,914.49</b>	<b>(308)</b>	<b>\$ (1,714.85)</b>	<b>9,456</b>	<b>\$ 175,541.76</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>

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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE				
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh		
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(M) Revenue	(M) Revenue	(M) Revenue	(M) Revenue					
<b>Grandfathered Charge Types</b>														
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	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(405,401) \$</b>	<b>(6,919,845.78)</b>	<b>240,558</b>	<b>\$ 4,749,689.29</b>	<b>(308) \$</b>	<b>(6,250.32)</b>	<b>11,587</b>	<b>\$ 247,009.41</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(59,159.12)		\$ 356.92								
61	Congestion and Losses Adjustment		\$	2,514.50										
62	No DA generation sch., but still had output for current month		\$	-										
63														
64														
65	Total for MN Energy Adjustment Rider		\$	(6,863,201.16)		\$ 4,749,332.37								
66	Net Retail for MN Energy Adjustment Rider				\$	(2,113,868.79)								
67	Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>														
68	NET MISO (Rev.-Cost and MWh)								\$	240,759.09			\$	-
69	Less: Fuel Cost								11,279	\$ 205,273.50				
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									\$ 163.99			\$	-
75														
76	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ 35,321.60</b>			<b>\$</b>	<b>-</b>

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(E) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
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	<b>SUBTOTAL</b>		<b>(608,852)</b>	<b>\$(7,505,155.60)</b>	<b>322,811</b>	<b>\$ 5,367,472.23</b>	<b>0</b>	<b>\$ -</b>	<b>4,212</b>	<b>\$ 127,598.57</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	RT Loss Amount		0	\$(58,901.05)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(420,254.46)</b>	<b>0</b>	<b>\$ 149,342.01</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(72,343.56)</b>	<b>0</b>	<b>\$ 1,494.58</b>	<b>0</b>	<b>\$(3,485.87)</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
21	DA Congestion		0	\$ -	0	\$(241,661.05)	0	\$ -	0	\$ -	0	\$ -	0	\$ -
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
23	RT Congestion		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	\$ -	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	\$(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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(780,874.03)</b>	<b>0</b>	<b>\$ 1,208,067.92</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$(12,381.80)	0	\$ -	0	\$(1,352.03)	0	\$ -	0	\$ -	0	\$ -
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 2,718.51	0	\$ -	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	\$ -	0	\$ -	0	\$ 3,653.97	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 11,256.64	0	\$ -	0	\$ 1,229.94	0	\$ -	0	\$ -
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(31,270.96)</b>	<b>0</b>	<b>\$ 14,180.24</b>	<b>0</b>	<b>\$(3,414.55)</b>	<b>0</b>	<b>\$ 5,069.58</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
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	\$ -	0	\$ 418.07	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$(351.93)	0	\$ 230.89	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$(4,903.53)	0	\$ 3.27	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(96,882.98)</b>	<b>0</b>	<b>\$ 18,456.54</b>	<b>0</b>	<b>\$(9,858.32)</b>	<b>0</b>	<b>\$ 1,654.96</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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	\$ -	50	\$ 534.21	0	\$ -	0	\$ -
53	<b>SUBTOTAL</b>		<b>\$(35,759)</b>	<b>\$(493,352.21)</b>	<b>22,478</b>	<b>\$ 211,619.69</b>	<b>\$(552)</b>	<b>\$(13,367.51)</b>	<b>33,530</b>	<b>\$ 632,389.70</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>

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

Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE			
		(C) Cost		(D) MWh		(G) Cost		(H) MWh		(K) Cost		(L) MWh	
		(E) Revenue	(E) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(I) Revenue	(M) Revenue	(M) Revenue				
<b>Grandfathered Charge Types</b>													
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 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(644,610) \$</b>	<b>(9,400,133.80)</b>	<b>345,289 \$</b>	<b>6,970,633.21</b>	<b>(552) \$</b>	<b>(30,126.25)</b>	<b>37,742 \$</b>	<b>766,712.81</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
60 Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(72,343.56)	\$	1,494.58								
61 Congestion and Losses Adjustment		\$	11,641.19										
62 No DA generation sch., but still had output for current month		\$	(9,904.48)										
63													
64													
65 Total for MN Energy Adjustment Rider		\$	(9,329,526.95)	\$	6,969,138.63								
66 Net Retail for MN Energy Adjustment Rider				\$	(2,360,388.32)								
67 Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>													
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 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ 57,125.49</b>			<b>\$</b>	<b>-</b>

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

No.	Charge Type Description	(A) Acct	(B) RETAIL		(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE					
			(C) MWh	(D) Cost	(E) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(477,680)	\$ (8,755,019.83)	291,696	\$ 5,275,820.29	0	\$ -	4,082	\$ 105,119.07	0	\$ -	0	\$ -
2	DA Non-asset Energy Amount	555.09	0	\$ -	5,385	\$ 112,261.45	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	RT Asset Energy Amount	555.19	(16,295)	\$ 492,102.33	32,758	\$ 626,503.29	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	<b>SUBTOTAL</b>		<b>(493,975)</b>	<b>\$ (8,262,917.50)</b>	<b>329,838</b>	<b>\$ 6,014,585.03</b>	<b>0</b>	<b>\$ -</b>	<b>4,082</b>	<b>\$ 105,119.07</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
9	DA Loss Amount		0	\$ (314,366.26)	0	\$ -	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	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (448,317.28)</b>	<b>0</b>	<b>\$ 158,283.96</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Schedules 16 &amp; 17</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (82,898.25)</b>	<b>0</b>	<b>\$ 822.07</b>	<b>0</b>	<b>\$ (3,008.30)</b>	<b>0</b>	<b>\$ 1.82</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>Congestion &amp; FTRs</b>														
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	\$ -	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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (1,305,392.56)</b>	<b>0</b>	<b>\$ 1,081,918.72</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RSG &amp; Make Whole Payments</b>														
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	\$ -	0	\$ (3.58)	0	\$ 3,605.03	0	\$ -	0	\$ -
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (0.03)	0	\$ 8,787.38	0	\$ -	0	\$ 702.07	0	\$ -	0	\$ -
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (34,128.77)</b>	<b>0</b>	<b>\$ 9,406.52</b>	<b>0</b>	<b>\$ (2,729.75)</b>	<b>0</b>	<b>\$ 4,356.39</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (136.54)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
43	RT Net Inadvertent Amount	555.27	0	\$ (4,575.61)	0	\$ 4,869.47	0	\$ -	0	\$ -	0	\$ -	0	\$ -
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (112,592.74)	0	\$ 11,806.59	0	\$ (8,995.14)	0	\$ 943.02	0	\$ -	0	\$ -
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
46	RT Demand Response Allocation Uplift Amount	555.59	0	\$ (12,894.00)	0	\$ 40.08	0	\$ -	0	\$ -	0	\$ -	0	\$ -
47	DA Ramp Product	555.63	0	\$ -	0	\$ 127.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48	RT Ramp Product	555.64	0	\$ (166.41)	0	\$ 205.84	0	\$ -	0	\$ -	0	\$ -	0	\$ -
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$ (6,224.94)	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (136,590.24)</b>	<b>0</b>	<b>\$ 17,049.23</b>	<b>0</b>	<b>\$ (8,995.14)</b>	<b>0</b>	<b>\$ 943.02</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>
<b>ASM Charges</b>														
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)	52	\$ 27.10	0	\$ -	8	\$ 44.54	0	\$ -	0	\$ -
53	<b>SUBTOTAL</b>		<b>(34,249)</b>	<b>\$ (836,993.85)</b>	<b>42,164</b>	<b>\$ 254,047.27</b>	<b>(143)</b>	<b>\$ (3,599.67)</b>	<b>26,746</b>	<b>\$ 550,988.08</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>



Otter Tail Power Company														
Detail of MISO Day 2 Charges - System														
Year to Date 2020 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE			
			(C) Cost		(D) MWh	(E) Revenue	(G) Cost		(H) MWh	(I) Revenue	(K) Cost		(L) MWh	(M) Revenue
			MWh				MWh				MWh			
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(4,856,892)	\$(78,275,228.51)	2,873,905	\$47,481,221.60	0	\$-	22,854	\$620,381.83	0	\$-	0	\$-
2	DA Non-asset Energy Amount	555.09	0	\$-	54,751	\$1,011,428.76	0	\$-	0	\$-	0	\$-	0	\$-
3	RT Asset Energy Amount	555.19	(278,456)	\$(3,502,417.84)	256,266	\$3,998,151.50	0	\$-	0	\$-	0	\$-	0	\$-
4	RT Non-Asset Energy Amount	555.26	(20)	\$(2,684.60)	0	\$2,492.99	0	\$-	0	\$-	0	\$-	0	\$-
5	<b>SUBTOTAL</b>		<b>(5,135,369)</b>	<b>\$(81,780,330.95)</b>	<b>3,184,922</b>	<b>\$52,493,294.85</b>	<b>0</b>	<b>\$-</b>	<b>22,854</b>	<b>\$620,381.83</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Day Ahead &amp; Real Time Energy Loss</b>														
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	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
9	DA Loss Amount		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	\$-	0	\$-	0	\$-	0	\$-	0	\$-	0	\$-
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(4,013,685.19)</b>	<b>0</b>	<b>\$1,827,319.56</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Virtual Energy</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Schedules 16 &amp; 17</b>														
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	\$-	0	\$-	0	\$-	0	\$-
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(792,258.58)</b>	<b>0</b>	<b>\$7,845.50</b>	<b>0</b>	<b>\$(22,892.45)</b>	<b>0</b>	<b>\$728.24</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>Congestion &amp; FTRs</b>														
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	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(8,282,396.34)</b>	<b>0</b>	<b>\$12,003,499.25</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$(97,181.00)	0	\$184.95	0	\$(5,677.48)	0	\$9.83	0	\$-	0	\$-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$-	0	\$65,293.05	0	\$-	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	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$-	0	\$-	0	\$(3.58)	0	\$77,813.94	0	\$-	0	\$-
40	RT Price Volatility Make Whole Payment	555.42	0	\$(4.02)	0	\$190,150.12	0	\$(0.07)	0	\$10,762.13	0	\$-	0	\$-
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(220,867.53)</b>	<b>0</b>	<b>\$263,882.14</b>	<b>0</b>	<b>\$(14,127.71)</b>	<b>0</b>	<b>\$89,571.97</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>RNU &amp; Misc Charges</b>														
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	555.31	0	\$-	0	\$-	0	\$-	0	\$-	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	\$-	0	\$14,498.71	0	\$-	0	\$-	0	\$-	0	\$-
48	RT Ramp Product	555.64	0	\$(2,001.83)	0	\$1,818.38	0	\$-	0	\$-	0	\$-	0	\$-
49	RT Schedule 49 Cost Distribution Amount	555.65	0	\$(143,206.21)	0	\$192.30	0	\$-	0	\$-	0	\$-	0	\$-
50	<b>SUBTOTAL</b>		<b>0</b>	<b>\$(1,649,328.26)</b>	<b>0</b>	<b>\$359,291.29</b>	<b>0</b>	<b>\$(94,283.91)</b>	<b>0</b>	<b>\$10,264.44</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>
<b>ASM Charges</b>														
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	<b>SUBTOTAL</b>		<b>(405,455)</b>	<b>\$(6,105,840.96)</b>	<b>139,886</b>	<b>\$1,623,667.20</b>	<b>(5,312)</b>	<b>\$(130,616.93)</b>	<b>216,823</b>	<b>\$3,976,371.86</b>	<b>0</b>	<b>\$-</b>	<b>0</b>	<b>\$-</b>



Otter Tail Power Company Detail of MISO Day 2 Charges - System Year to Date 2020 includes any adjustments																	
Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE							
		(C) MWh	(C) Cost	(D) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue				
<b>Grandfathered Charge Types</b>																	
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
56	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
58	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	
59	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(5,540,823)</b>	<b>\$ (102,844,707.81)</b>	<b>3,324,808</b>	<b>\$ 68,578,799.79</b>			<b>(5,312)</b>	<b>\$ (261,921.00)</b>	<b>239,677</b>	<b>\$ 4,697,318.34</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(792,258.58)		\$ 7,845.50											
61	Congestion and Losses Adjustment		\$	78,121.35													
62	No DA generation sch., but still had output for current month		\$	(9,904.48)													
63																	
64																	
65	Total for MN Energy Adjustment Rider		\$	(102,120,666.10)		\$ 68,570,954.29											
66	Net Retail for MN Energy Adjustment Rider					\$ (33,549,711.81)											
67	Retail MWh include losses of 2.8%																
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTIONS</b>																	
68	NET MISO (Rev.-Cost and MWh)																
69	Less: Fuel Cost											\$ 4,435,397.34					\$ -
70	Less: Misc Cost Adjustment										233,829	\$ 4,312,638.63					\$ -
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	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>											<b>\$ 119,591.02</b>					<b>\$ -</b>

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
January 2020 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
<b>No.</b>	<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>							
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	<b>TOTAL</b>		<b>\$ 535.67</b>	<b>\$ -</b>	<b>\$ (13.68)</b>	<b>\$ 521.99</b>	-	-
<b>RSG &amp; Make Whole Payments</b>								
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	<b>TOTAL</b>		<b>\$ 18.04</b>	<b>\$ -</b>	<b>\$ (0.30)</b>	<b>\$ 17.74</b>	-	-
<b>Revenue Neutrality Uplift</b>								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 3.07	\$ (0.28)	\$ (0.34)	\$ 2.45	-	-
11	<b>TOTAL</b>		<b>\$ 3.07</b>	<b>\$ (0.28)</b>	<b>\$ (0.34)</b>	<b>\$ 2.45</b>	-	-
<b>Other Charges</b>								
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	\$ 43,111.60	\$ (61,553.81)	\$ -	\$ (18,442.21)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 5,499.06	\$ (15,857.04)	\$ -	\$ (10,357.98)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (59.87)	\$ (59.87)	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27	<b>TOTAL</b>		<b>\$ 48,616.26</b>	<b>\$ (88,045.60)</b>	<b>\$ (59.24)</b>	<b>\$ (39,488.58)</b>	-	-
<b>Grandfathered Charge Types</b>								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 1.16	\$ (0.04)	\$ (0.10)	\$ 1.02	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
31	<b>TOTAL</b>		<b>\$ 1.16</b>	<b>\$ (0.04)</b>	<b>\$ (0.10)</b>	<b>\$ 1.02</b>	-	-
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 49,174.20</b>	<b>\$ (88,045.92)</b>	<b>\$ (73.66)</b>	<b>\$ (38,945.38)</b>	-	-
33	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (38,945.38)				
34	Net KWH for retail = ((F) + (G)) * 1,000							
35	January 2020 covers time period of 12/26/2019 - 01/23/2020						** (F) and (G) increased for losses of 2.8%	
36	<b>SPP Book Totals</b>		<b>\$ (38,871.72)</b>	<b>-</b>				
37	<b>Adjustments</b>		<b>\$ (73.66)</b>	<b>-</b>				
38	<b>Total SPP</b>		<b>\$ (38,945.38)</b>	<b>-</b>				

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
February 2020 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$ 375.80	\$ -	\$ 1.62	\$ 377.42	17	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	<b>TOTAL</b>		<b>\$ 375.80</b>	<b>\$ -</b>	<b>\$ 1.62</b>	<b>\$ 377.42</b>	<b>17</b>	<b>-</b>
<b>RSG &amp; Make Whole Payments</b>								
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	\$ -	\$ -	\$ -	\$ -	-	-
9	<b>TOTAL</b>		<b>\$ 12.57</b>	<b>\$ -</b>	<b>\$ (2.70)</b>	<b>\$ 9.87</b>	<b>-</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 2.03	\$ (0.21)	\$ (0.87)	\$ 0.95	-	-
11	<b>TOTAL</b>		<b>\$ 2.03</b>	<b>\$ (0.21)</b>	<b>\$ (0.87)</b>	<b>\$ 0.95</b>	<b>-</b>	<b>-</b>
<b>Other Charges</b>								
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.49	\$ -	\$ (0.03)	\$ 0.46	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.91	\$ -	\$ -	\$ 0.91	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 2.59	\$ -	\$ 0.02	\$ 2.61	-	-
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	\$ -	\$ (8,705.80)	\$ (27.24)	\$ (8,733.04)	-	-
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	\$ 2,229.72	\$ (35,688.90)	\$ -	\$ (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	<b>TOTAL</b>		<b>\$ 7,976.37</b>	<b>\$ (58,836.23)</b>	<b>\$ (27.25)</b>	<b>\$ (50,887.11)</b>	<b>-</b>	<b>-</b>
<b>Grandfathered Charge Types</b>								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 1.10	\$ -	\$ 0.10	\$ 1.20	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
31	<b>TOTAL</b>		<b>\$ 1.10</b>	<b>\$ -</b>	<b>\$ 0.10</b>	<b>\$ 1.20</b>	<b>-</b>	<b>-</b>
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 8,367.87</b>	<b>\$ (58,836.44)</b>	<b>\$ (29.10)</b>	<b>\$ (50,497.67)</b>	<b>17</b>	<b>-</b>
33	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (50,497.67)</b>				
34	Net KWH for retail = ((F) + (G)) * 1,000						<b>17,445</b>	
35	February 2020 covers time period of 01/24/2020 - 02/20/2020							** (F) and (G) increased for losses of 2.8%
36	<b>SPP Book Totals</b>		<b>\$ (50,468.57)</b>	<b>17,445</b>				
37	<b>Adjustments</b>		<b>\$ (29.10)</b>	<b>-</b>				
38	<b>Total SPP</b>		<b>\$ (50,497.67)</b>	<b>17,445</b>				

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
March 2020 includes any adjustments									
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 11,360.87	\$ (2.43)	\$ (0.62)	\$ 11,357.82	896	(2)	
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	<b>TOTAL</b>		<b>\$ 11,360.87</b>	<b>\$ (2.43)</b>	<b>\$ (0.62)</b>	<b>\$ 11,357.82</b>	<b>896</b>	<b>(2)</b>	
<b>RSG &amp; Make Whole Payments</b>									
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	<b>TOTAL</b>		<b>\$ 276.46</b>	<b>\$ -</b>	<b>\$ 0.67</b>	<b>\$ 277.13</b>			
<b>Revenue Neutrality Uplift</b>									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 21.94	\$ (20.94)	\$ 0.10	\$ 1.10	-	-	-
11	<b>TOTAL</b>		<b>\$ 21.94</b>	<b>\$ (20.94)</b>	<b>\$ 0.10</b>	<b>\$ 1.10</b>			
<b>Other Charges</b>									
12	DA Regulation-Down Distribution Amount	555.04	\$ 73.87	\$ -	\$ -	\$ 73.87	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 91.55	\$ -	\$ (0.01)	\$ 91.54	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 91.31	\$ -	\$ 0.01	\$ 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	\$ -	\$ (8,255.80)	\$ 18.41	\$ (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	RT Regulation-Up Distribution Amount	555.14	\$ 0.07	\$ (2.11)	\$ -	\$ (2.04)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (0.01)	\$ -	\$ (0.01)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 15,486.36	\$ (99,364.65)	\$ -	\$ (83,878.29)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 3,662.68	\$ (14,767.94)	\$ -	\$ (11,105.26)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 19.12	\$ 19.12	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	<b>TOTAL</b>		<b>\$ 19,411.95</b>	<b>\$ (122,395.70)</b>	<b>\$ 37.53</b>	<b>\$ (102,946.22)</b>			
<b>Grandfathered Charge Types</b>									
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	<b>TOTAL</b>		<b>\$ 36.74</b>	<b>\$ -</b>	<b>\$ 0.07</b>	<b>\$ 36.81</b>			
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 31,107.96</b>	<b>\$ (122,419.07)</b>	<b>\$ 37.75</b>	<b>\$ (91,273.36)</b>	<b>896</b>	<b>(2)</b>	
33	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (91,273.36)</b>					
34	Net KWH for retail = ((F) + (G)) * 1,000								<b>893,579</b>
35	March 2020 covers time period of 02/21/2020 - 03/23/2020								** (F) and (G) increased for losses of 2.8%
36	<b>SPP Book Totals</b>		<b>\$ (91,311.11)</b>	<b>893,579</b>					
37	<b>Adjustments</b>		<b>\$ 37.75</b>	<b>-</b>					
38	<b>Total SPP</b>		<b>\$ (91,273.36)</b>	<b>893,579</b>					

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
April 2020 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$ 301.10	\$ (9.05)	\$ 178.05	\$ 470.10	27	(3)
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	<b>TOTAL</b>		<b>\$ 301.10</b>	<b>\$ (9.05)</b>	<b>\$ 178.05</b>	<b>\$ 470.10</b>	<b>27</b>	<b>(3)</b>
<b>RSG &amp; Make Whole Payments</b>								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 15.06	\$ -	\$ 15.36	\$ 30.42	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9	<b>TOTAL</b>		<b>\$ 15.06</b>	<b>\$ -</b>	<b>\$ 15.36</b>	<b>\$ 30.42</b>	-	-
<b>Revenue Neutrality Uplift</b>								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 2.17	\$ (1.23)	\$ 6.49	\$ 7.43	-	-
11	<b>TOTAL</b>		<b>\$ 2.17</b>	<b>\$ (1.23)</b>	<b>\$ 6.49</b>	<b>\$ 7.43</b>	-	-
<b>Other Charges</b>								
12	DA Regulation-Down Distribution Amount	555.04	\$ 2.71	\$ -	\$ 1.14	\$ 3.85	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 2.84	\$ -	\$ 1.64	\$ 4.48	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.70	\$ -	\$ 1.83	\$ 6.53	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.03	\$ -	\$ 0.13	\$ 0.16	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ 14.82	\$ (5,067.61)	\$ (113.78)	\$ (5,166.57)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ (0.01)	\$ (0.01)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ (0.06)	\$ (0.06)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ (0.08)	\$ (0.08)	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 7,626.52	\$ (98,577.45)	\$ -	\$ (90,950.93)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 955.78	\$ (17,701.15)	\$ -	\$ (16,745.37)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27	<b>TOTAL</b>		<b>\$ 8,607.40</b>	<b>\$ (121,346.21)</b>	<b>\$ (109.19)</b>	<b>\$ (112,848.00)</b>	-	-
<b>Grandfathered Charge Types</b>								
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	\$ -	\$ -	\$ -	\$ -	-	-
31	<b>TOTAL</b>		<b>\$ 1.72</b>	<b>\$ (0.02)</b>	<b>\$ 0.54</b>	<b>\$ 2.24</b>	-	-
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 8,927.45</b>	<b>\$ (121,356.51)</b>	<b>\$ 91.25</b>	<b>\$ (112,337.81)</b>	<b>27</b>	<b>(3)</b>
33	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (112,337.81)</b>				
34	Net KWH for retail = ((F) + (G)) * 1,000						<b>24,209</b>	
35	April 2020 covers time period of 03/24/2020 - 04/22/2020							** (F) and (G) increased for losses of 2.8%
36	<b>SPP Book Totals</b>		<b>\$ (112,429.06)</b>	<b>24,209</b>				
37	<b>Adjustments</b>		<b>\$ 91.25</b>	<b>-</b>				
38	<b>Total SPP</b>		<b>\$ (112,337.81)</b>	<b>24,209</b>				

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
May 2020 includes any adjustments									
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 287.08	\$ (40.45)	\$ 2.35	\$ 248.98	27	(5)	
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	<b>TOTAL</b>		<b>\$ 287.08</b>	<b>\$ (40.45)</b>	<b>\$ 2.35</b>	<b>\$ 248.98</b>	<b>27</b>	<b>(5)</b>	
<b>RSG &amp; Make Whole Payments</b>									
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	<b>TOTAL</b>		<b>\$ 16.94</b>	<b>\$ -</b>	<b>\$ 0.19</b>	<b>\$ 17.13</b>			
<b>Revenue Neutrality Uplift</b>									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 2.32	\$ (1.44)	\$ 0.52	\$ 1.40	-	-	-
11	<b>TOTAL</b>		<b>\$ 2.32</b>	<b>\$ (1.44)</b>	<b>\$ 0.52</b>	<b>\$ 1.40</b>			
<b>Other Charges</b>									
12	DA Regulation-Down Distribution Amount	555.04	\$ 3.20	\$ -	\$ (0.06)	\$ 3.14	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 3.83	\$ -	\$ 0.03	\$ 3.86	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 5.65	\$ -	\$ -	\$ 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)	\$ (3,961.68)	-	-	-
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	\$ 638.30	\$ (96,171.70)	\$ -	\$ (95,533.40)	-	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 13.27	\$ (17,352.37)	\$ -	\$ (17,339.10)	-	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ -	\$ -	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-	-
27	<b>TOTAL</b>		<b>\$ 757.42</b>	<b>\$ (117,454.80)</b>	<b>\$ (124.17)</b>	<b>\$ (116,821.55)</b>			
<b>Grandfathered Charge Types</b>									
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 2.89	\$ -	\$ (0.03)	\$ 2.86	-	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
31	<b>TOTAL</b>		<b>\$ 2.89</b>	<b>\$ -</b>	<b>\$ (0.03)</b>	<b>\$ 2.86</b>			
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 1,066.65</b>	<b>\$ (117,496.69)</b>	<b>\$ (121.14)</b>	<b>\$ (116,551.18)</b>	<b>27</b>	<b>(5)</b>	
33	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (116,551.18)</b>					
34	Net KWH for retail = ((F) + (G)) * 1,000								<b>21,896</b>
35	May 2020 covers time period of 04/23/2020 - 05/21/2020								** (F) and (G) increased for losses of 2.8%
36	<b>SPP Book Totals</b>		<b>\$ (116,430.04)</b>	<b>21,896</b>					
37	<b>Adjustments</b>		<b>\$ (121.14)</b>	<b>-</b>					
38	<b>Total SPP</b>		<b>\$ (116,551.18)</b>	<b>21,896</b>					

Otter Tail Power Company									
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System									
June 2020 includes any adjustments									
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**		
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss								
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-	-
3	RT Asset Energy Amount	555.09	\$ 2,771.57	\$ (20.19)	\$ 1.85	\$ 2,753.23	211	(5)	
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-	-
5	<b>TOTAL</b>		<b>\$ 2,771.57</b>	<b>\$ (20.19)</b>	<b>\$ 1.85</b>	<b>\$ 2,753.23</b>	<b>211</b>	<b>(5)</b>	
<b>RSG &amp; Make Whole Payments</b>									
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	\$ -	\$ -	\$ -	\$ -	-	-	-
9	<b>TOTAL</b>		<b>\$ 91.56</b>	<b>\$ -</b>	<b>\$ 3.94</b>	<b>\$ 95.50</b>			
<b>Revenue Neutrality Uplift</b>									
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 12.33	\$ (2.40)	\$ (1.04)	\$ 8.89	-	-	-
11	<b>TOTAL</b>		<b>\$ 12.33</b>	<b>\$ (2.40)</b>	<b>\$ (1.04)</b>	<b>\$ 8.89</b>			
<b>Other Charges</b>									
12	DA Regulation-Down Distribution Amount	555.04	\$ 14.43	\$ -	\$ (0.06)	\$ 14.37	-	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 26.09	\$ -	\$ (0.13)	\$ 25.96	-	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 29.72	\$ -	\$ (0.04)	\$ 29.68	-	-	-
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)	\$ (155.24)	\$ (4,447.61)	-	-	-
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	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (1.78)	\$ -	\$ (1.78)	-	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (0.04)	\$ -	\$ (0.04)	-	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ (0.13)	\$ -	\$ (0.13)	-	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 4,800.08	\$ (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	\$ -	\$ -	\$ (33.04)	\$ (33.04)	-	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ (73,034.82)	\$ -	\$ (73,034.82)	-	-	-
27	<b>TOTAL</b>		<b>\$ 4,955.85</b>	<b>\$ (180,667.02)</b>	<b>\$ (188.51)</b>	<b>\$ (175,899.68)</b>			
<b>Grandfathered Charge Types</b>									
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	\$ 0.04	-	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-	-
31	<b>TOTAL</b>		<b>\$ 16.33</b>	<b>\$ (0.01)</b>	<b>\$ 0.07</b>	<b>\$ 16.39</b>			
32	<b>TOTAL SPP CHARGES</b>		<b>\$ 7,847.64</b>	<b>\$ (180,689.62)</b>	<b>\$ (183.69)</b>	<b>\$ (173,025.67)</b>	<b>211</b>	<b>(5)</b>	
33	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (173,025.67)</b>					
34	Net KWH for retail = ((F) + (G)) * 1,000								<b>206,525</b>
35	June 2020 covers time period of 05/22/2020 - 06/22/2020								** (F) and (G) increased for losses of 2.8%
36	<b>SPP Book Totals</b>		<b>\$ (172,841.98)</b>	<b>206,525</b>					
37	<b>Adjustments</b>		<b>\$ (183.69)</b>	<b>-</b>					
38	<b>Total SPP</b>		<b>\$ (173,025.67)</b>	<b>206,525</b>					

Otter Tail Power Company							
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System							
July 2020 includes any adjustments							
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail
<b>No.</b>	<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>						
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-
3	RT Asset Energy Amount	555.09	\$ 743.61	\$ -	\$ (164.41)	\$ 579.20	45
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-
5	<b>TOTAL</b>		<b>\$ 743.61</b>	<b>\$ -</b>	<b>\$ (164.41)</b>	<b>\$ 579.20</b>	<b>45</b>
<b>RSG &amp; Make Whole Payments</b>							
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 45.50	\$ -	\$ (5.47)	\$ 40.03	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-
9	<b>TOTAL</b>		<b>\$ 45.50</b>	<b>\$ -</b>	<b>\$ (5.47)</b>	<b>\$ 40.03</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>							
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 6.70	\$ -	\$ (0.15)	\$ 6.55	-
11	<b>TOTAL</b>		<b>\$ 6.70</b>	<b>\$ -</b>	<b>\$ (0.15)</b>	<b>\$ 6.55</b>	<b>-</b>
<b>Other Charges</b>							
12	DA Regulation-Down Distribution Amount	555.04	\$ 1.18	\$ -	\$ (1.13)	\$ 0.05	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 3.82	\$ -	\$ (1.97)	\$ 1.85	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.22	\$ -	\$ (1.80)	\$ 2.42	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.45	\$ -	\$ (0.68)	\$ (0.23)	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (6,214.99)	\$ (98.67)	\$ (6,313.66)	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.09)	\$ 0.02	\$ (0.07)	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.02)	\$ (0.05)	\$ (0.07)	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.01	\$ (0.03)	\$ 0.08	\$ 0.06	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 4,934.09	\$ (71,963.10)	\$ -	\$ (67,029.01)	-
24	RT Pseudo Tie Loss Amount	555.21	\$ -	\$ (25,415.92)	\$ -	\$ (25,415.92)	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (1.43)	\$ (1.43)	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ 0.05	\$ 0.05	-
28	<b>TOTAL</b>		<b>\$ 4,943.77</b>	<b>\$ (103,594.15)</b>	<b>\$ (105.58)</b>	<b>\$ (98,755.96)</b>	<b>-</b>
<b>Grandfathered Charge Types</b>							
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 1.78	\$ (0.01)	\$ (1.02)	\$ 0.75	-
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-
32	<b>TOTAL</b>		<b>\$ 1.78</b>	<b>\$ (0.01)</b>	<b>\$ (1.02)</b>	<b>\$ 0.75</b>	<b>-</b>
33	<b>TOTAL SPP CHARGES</b>		<b>\$ 5,741.36</b>	<b>\$ (103,594.16)</b>	<b>\$ (276.63)</b>	<b>\$ (98,129.43)</b>	<b>45</b>
34	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (98,129.43)</b>			
35	Net KWH for retail = ((F) + (G)) * 1,000						<b>45,201</b>
36	July 2020 covers time period of 06/23/2020 - 07/23/2020					** (F) and (G) increased for losses of 2.8%	
37	<b>SPP Book Totals</b>		<b>\$ (97,852.80)</b>	<b>45,201</b>			
38	<b>Adjustments</b>		<b>\$ (276.63)</b>	<b>-</b>			
39	<b>Total SPP</b>		<b>\$ (98,129.43)</b>	<b>45,201</b>			



Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System August 2020 includes any adjustments							
Charge Type Description		(A) Acct	(B) Retail Debits	(C) Retail Credits	(D) Retail Adjustments	(E) Net Retail	(F) and (G)** Charge types with MWH for Retail
<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>							
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-
3	RT Asset Energy Amount	555.09	\$ 1,926.21	\$ -	\$ (19.48)	\$ 1,906.73	80
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-
5	<b>TOTAL</b>		\$ <b>1,926.21</b>	\$ -	\$ <b>(19.48)</b>	\$ <b>1,906.73</b>	<b>80</b>
<b>RSG &amp; Make Whole Payments</b>							
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 160.94	\$ -	\$ (0.38)	\$ 160.56	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-
9	<b>TOTAL</b>		\$ <b>160.94</b>	\$ -	\$ <b>(0.38)</b>	\$ <b>160.56</b>	-
<b>Revenue Neutrality Uplift</b>							
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 1.10	\$ (1.13)	\$ (0.31)	\$ (0.34)	-
11	<b>TOTAL</b>		\$ <b>1.10</b>	\$ <b>(1.13)</b>	\$ <b>(0.31)</b>	\$ <b>(0.34)</b>	-
<b>Other Charges</b>							
12	DA Regulation-Down Distribution Amount	555.04	\$ 2.60	\$ -	\$ (0.40)	\$ 2.20	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 8.97	\$ -	\$ (0.65)	\$ 8.32	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 13.64	\$ -	\$ (0.12)	\$ 13.52	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 2.21	\$ -	\$ (0.01)	\$ 2.20	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (5,588.28)	\$ (20.87)	\$ (5,609.15)	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.19)	\$ -	\$ (0.19)	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.21)	\$ -	\$ (0.21)	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.01	\$ -	\$ -	\$ 0.01	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 2,430.55	\$ (41,592.98)	\$ -	\$ (39,162.43)	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 60.33	\$ (16,863.87)	\$ -	\$ (16,803.54)	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 0.82	\$ 0.82	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-
28	<b>TOTAL</b>		\$ <b>2,518.31</b>	\$ <b>(64,045.53)</b>	\$ <b>(21.23)</b>	\$ <b>(61,548.45)</b>	-
<b>Grandfathered Charge Types</b>							
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 2.64	\$ -	\$ (0.13)	\$ 2.51	-
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-
32	<b>TOTAL</b>		\$ <b>2.64</b>	\$ -	\$ <b>(0.13)</b>	\$ <b>2.51</b>	-
33	<b>TOTAL SPP CHARGES</b>		\$ <b>4,609.20</b>	\$ <b>(64,046.66)</b>	\$ <b>(41.53)</b>	\$ <b>(59,478.99)</b>	<b>80</b>
34	Net SPP Charges for Retail = (B) + (C) + (D)			\$ <b>(59,478.99)</b>			
35	Net KWH for retail = ((F) + (G)) * 1,000						<b>80,071</b>
36	August 2020 covers time period of 07/24/2020 - 08/23/2020					** (F) and (G) increased for losses of 2.8%	
37	<b>SPP Book Totals</b>		<b>Net Retail</b>	<b>Net SPP KWH</b>			
38	<b>Adjustments</b>		\$ (59,437.46)	80,071			
39	<b>Total SPP</b>		\$ <b>(59,478.99)</b>	<b>80,071</b>			

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
September 2020 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
<b>No.</b>	<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>							
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$ 23,170.42	\$ (172.88)	\$ (9.13)	\$ 22,988.41	1,070	(41)
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	<b>TOTAL</b>		<b>\$ 23,170.42</b>	<b>\$ (172.88)</b>	<b>\$ (9.13)</b>	<b>\$ 22,988.41</b>	<b>1,070</b>	<b>(41)</b>
<b>RSG &amp; Make Whole Payments</b>								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 1,423.25	\$ -	\$ 1.56	\$ 1,424.81	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9	<b>TOTAL</b>		<b>\$ 1,423.25</b>	<b>\$ -</b>	<b>\$ 1.56</b>	<b>\$ 1,424.81</b>	<b>-</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 149.31	\$ (14.44)	\$ (0.34)	\$ 134.53	-	-
11	<b>TOTAL</b>		<b>\$ 149.31</b>	<b>\$ (14.44)</b>	<b>\$ (0.34)</b>	<b>\$ 134.53</b>	<b>-</b>	<b>-</b>
<b>Other Charges</b>								
12	DA Regulation-Down Distribution Amount	555.04	\$ 59.31	\$ -	\$ (0.03)	\$ 59.28	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 122.72	\$ -	\$ (0.19)	\$ 122.53	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 140.52	\$ -	\$ -	\$ 140.52	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 20.33	\$ -	\$ -	\$ 20.33	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (0.03)	\$ -	\$ (0.03)	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (6,079.29)	\$ (1.33)	\$ (6,080.62)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ 0.08	\$ (2.84)	\$ -	\$ (2.76)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (2.47)	\$ -	\$ (2.47)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (6.29)	\$ -	\$ (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	\$ (59,366.48)	\$ -	\$ (57,435.80)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 4.21	\$ (17,190.44)	\$ -	\$ (17,186.23)	-	-
25	Miscellaneous Amount	555.23	\$ 0.01	\$ -	\$ (1.19)	\$ (1.18)	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-	-
28	<b>TOTAL</b>		<b>\$ 2,277.86</b>	<b>\$ (82,647.84)</b>	<b>\$ (2.74)</b>	<b>\$ (80,372.72)</b>	<b>-</b>	<b>-</b>
<b>Grandfathered Charge Types</b>								
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 43.21	\$ (0.80)	\$ 0.01	\$ 42.42	-	-
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.59)	\$ (0.04)	\$ (0.63)	-	-
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ (24.52)	\$ (24.52)	-	-
32	<b>TOTAL</b>		<b>\$ 43.21</b>	<b>\$ (1.39)</b>	<b>\$ (24.55)</b>	<b>\$ 17.27</b>	<b>-</b>	<b>-</b>
33	<b>TOTAL SPP CHARGES</b>		<b>\$ 27,064.05</b>	<b>\$ (82,836.55)</b>	<b>\$ (35.20)</b>	<b>\$ (55,807.70)</b>	<b>1,070</b>	<b>(41)</b>
34	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (55,807.70)</b>				
35	Net KWH for retail = ((F) + (G)) * 1,000						<b>1,028,833</b>	
36	September 2020 covers time period of 08/24/2020 - 09/22/2020							** (F) and (G) increased for losses of 2.8%
37	<b>SPP Book Totals</b>		<b>Net Retail</b>	<b>Net SPP KWH</b>				
38	<b>Adjustments</b>		<b>\$ (55,772.50)</b>	<b>1,028,833</b>				
39	<b>Total SPP</b>		<b>\$ (55,807.70)</b>	<b>1,028,833</b>				

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
October 2020 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
<b>No.</b>	<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>							
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$ 11,242.02	\$ (170.55)	\$ (707.48)	\$ 10,363.99	535	(43)
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	<b>TOTAL</b>		<b>\$ 11,242.02</b>	<b>\$ (170.55)</b>	<b>\$ (707.48)</b>	<b>\$ 10,363.99</b>	<b>535</b>	<b>(43)</b>
<b>RSG &amp; Make Whole Payments</b>								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 817.13	\$ -	\$ 31.79	\$ 848.92	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9	<b>TOTAL</b>		<b>\$ 817.13</b>	<b>\$ -</b>	<b>\$ 31.79</b>	<b>\$ 848.92</b>	<b>-</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 74.99	\$ (23.93)	\$ (4.98)	\$ 46.08	-	-
11	<b>TOTAL</b>		<b>\$ 74.99</b>	<b>\$ (23.93)</b>	<b>\$ (4.98)</b>	<b>\$ 46.08</b>	<b>-</b>	<b>-</b>
<b>Other Charges</b>								
12	DA Regulation-Down Distribution Amount	555.04	\$ 47.32	\$ -	\$ (1.66)	\$ 45.66	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 70.32	\$ -	\$ (3.09)	\$ 67.23	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 101.38	\$ -	\$ (2.97)	\$ 98.41	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 12.66	\$ -	\$ (0.59)	\$ 12.07	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (4,923.53)	\$ (445.70)	\$ (5,369.23)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.40)	\$ 0.25	\$ (0.15)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.84)	\$ 0.52	\$ (0.32)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ 0.46	\$ (0.42)	\$ 0.02	\$ 0.06	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (0.43)	\$ -	\$ (0.43)	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 7,768.72	\$ (117,591.95)	\$ -	\$ (109,823.23)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 1,808.65	\$ (20,453.15)	\$ -	\$ (18,644.50)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (0.55)	\$ (0.55)	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$ 0.04	\$ -	\$ -	\$ 0.04	-	-
28	<b>TOTAL</b>		<b>\$ 9,809.55</b>	<b>\$ (142,970.72)</b>	<b>\$ (453.77)</b>	<b>\$ (133,614.94)</b>	<b>-</b>	<b>-</b>
<b>Grandfathered Charge Types</b>								
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 21.37	\$ (0.60)	\$ (1.35)	\$ 19.42	-	-
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.10)	\$ (0.09)	\$ (0.19)	-	-
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-	-
32	<b>TOTAL</b>		<b>\$ 21.37</b>	<b>\$ (0.70)</b>	<b>\$ (1.44)</b>	<b>\$ 19.23</b>	<b>-</b>	<b>-</b>
33	<b>TOTAL SPP CHARGES</b>		<b>\$ 21,965.06</b>	<b>\$ (143,165.90)</b>	<b>\$ (1,135.88)</b>	<b>\$ (122,336.72)</b>	<b>535</b>	<b>(43)</b>
34	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (122,336.72)</b>				
35	Net KWH for retail = ((F) + (G)) * 1,000						<b>491,312</b>	
36	October 2020 covers time period of 09/23/2020 - 10/22/2020							** (F) and (G) increased for losses of 2.8%
37	<b>SPP Book Totals</b>		<b>Net Retail</b>	<b>Net SPP KWH</b>				
38	<b>Adjustments</b>		<b>\$ (121,200.84)</b>	<b>491,312</b>				
39	<b>Total SPP</b>		<b>\$ (122,336.72)</b>	<b>491,312</b>				

Otter Tail Power Company							
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System							
November 2020 includes any adjustments							
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail
<b>No.</b>	<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>						
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)	\$ (430.18)	\$ 6,955.03	402 (39)
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-
5	<b>TOTAL</b>		<b>\$ 7,767.49</b>	<b>\$ (382.28)</b>	<b>\$ (430.18)</b>	<b>\$ 6,955.03</b>	<b>402 (39)</b>
<b>RSG &amp; Make Whole Payments</b>							
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	\$ -	\$ -	\$ -	\$ -	-
9	<b>TOTAL</b>		<b>\$ 429.59</b>	<b>\$ -</b>	<b>\$ (33.55)</b>	<b>\$ 396.04</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>							
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 170.66	\$ (29.65)	\$ (2.43)	\$ 138.58	-
11	<b>TOTAL</b>		<b>\$ 170.66</b>	<b>\$ (29.65)</b>	<b>\$ (2.43)</b>	<b>\$ 138.58</b>	<b>-</b>
<b>Other Charges</b>							
12	DA Regulation-Down Distribution Amount	555.04	\$ 47.95	\$ -	\$ (1.96)	\$ 45.99	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 88.74	\$ -	\$ (1.81)	\$ 86.93	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 101.35	\$ -	\$ (3.62)	\$ 97.73	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 10.07	\$ -	\$ (0.36)	\$ 9.71	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ (0.20)	\$ -	\$ (0.20)	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (12,136.29)	\$ (15.77)	\$ (12,152.06)	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.32)	\$ 0.03	\$ (0.29)	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.46)	\$ 0.23	\$ (0.23)	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (1.74)	\$ (0.43)	\$ (2.17)	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ (0.52)	\$ 0.10	\$ (0.42)	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 38,489.60	\$ (196,479.49)	\$ -	\$ (157,989.89)	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 548.95	\$ (20,136.28)	\$ -	\$ (19,587.33)	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (0.79)	\$ (0.79)	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ (0.01)	\$ (0.01)	-
28	<b>TOTAL</b>		<b>\$ 39,286.66</b>	<b>\$ (228,755.30)</b>	<b>\$ (24.39)</b>	<b>\$ (189,493.03)</b>	<b>-</b>
<b>Grandfathered Charge Types</b>							
29	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 59.67	\$ -	\$ (1.01)	\$ 58.66	-
30	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ (0.29)	\$ 0.01	\$ (0.28)	-
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-
32	<b>TOTAL</b>		<b>\$ 59.67</b>	<b>\$ (0.29)</b>	<b>\$ (1.00)</b>	<b>\$ 58.38</b>	<b>-</b>
33	<b>TOTAL SPP CHARGES</b>		<b>\$ 47,714.07</b>	<b>\$ (229,167.52)</b>	<b>\$ (491.55)</b>	<b>\$ (181,945.00)</b>	<b>402 (39)</b>
34	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (181,945.00)</b>			
35	Net KWH for retail = ((F) + (G)) * 1,000						<b>363,182</b>
36	November 2020 covers time period of 10/23/2020 - 11/22/2020					** (F) and (G) increased for losses of 2.8%	
37	<b>SPP Book Totals</b>		<b>Net Retail</b>	<b>Net SPP KWH</b>			
38	<b>Adjustments</b>		<b>\$ (181,453.45)</b>	<b>363,182</b>			
39	<b>Total SPP</b>		<b>\$ (181,945.00)</b>	<b>363,182</b>			

Otter Tail Power Company							
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System							
December 2020 includes any adjustments							
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail
<b>No.</b>	<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>						
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-
3	RT Asset Energy Amount	555.09	\$ 8,450.44	\$ (181.16)	\$ (209.14)	\$ 8,060.14	433 (26)
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-
5	<b>TOTAL</b>		<b>\$ 8,450.44</b>	<b>\$ (181.16)</b>	<b>\$ (209.14)</b>	<b>\$ 8,060.14</b>	<b>433 (26)</b>
<b>RSG &amp; Make Whole Payments</b>							
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	\$ -	\$ -	\$ -	\$ -	-
9	<b>TOTAL</b>		<b>\$ 456.70</b>	<b>\$ -</b>	<b>\$ 12.22</b>	<b>\$ 468.92</b>	<b>-</b>
<b>Revenue Neutrality Uplift</b>							
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 82.01	\$ (45.43)	\$ 2.05	\$ 38.63	-
11	<b>TOTAL</b>		<b>\$ 82.01</b>	<b>\$ (45.43)</b>	<b>\$ 2.05</b>	<b>\$ 38.63</b>	<b>-</b>
<b>Other Charges</b>							
12	DA Regulation-Down Distribution Amount	555.04	\$ 31.07	\$ -	\$ (1.35)	\$ 29.72	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 75.65	\$ -	\$ (1.72)	\$ 73.93	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 55.75	\$ -	\$ (1.91)	\$ 53.84	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 5.05	\$ -	\$ (0.25)	\$ 4.80	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (12,043.34)	\$ 76.29	\$ (11,967.05)	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ -	\$ -	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ -	\$ 0.33	\$ 0.33	-
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	\$ 114,199.34	\$ (175,812.01)	\$ (2.20)	\$ (61,614.87)	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 5,908.05	\$ (22,512.09)	\$ (1.14)	\$ (16,605.18)	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ 19.51	\$ 19.51	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	-
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	-
28	<b>TOTAL</b>		<b>\$ 120,274.91</b>	<b>\$ (210,367.44)</b>	<b>\$ 87.56</b>	<b>\$ (90,004.97)</b>	<b>-</b>
<b>Grandfathered Charge Types</b>							
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)	\$ 0.01	\$ -	-
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	-
32	<b>TOTAL</b>		<b>\$ 39.72</b>	<b>\$ (0.01)</b>	<b>\$ (0.78)</b>	<b>\$ 38.93</b>	<b>-</b>
33	<b>TOTAL SPP CHARGES</b>		<b>\$ 129,303.78</b>	<b>\$ (210,594.04)</b>	<b>\$ (108.09)</b>	<b>\$ (81,398.35)</b>	<b>433 (26)</b>
34	Net SPP Charges for Retail = (B) + (C) + (D)			<b>\$ (81,398.35)</b>			
35	Net KWH for retail = ((F) + (G)) * 1,000						<b>406,481</b>
36	December 2020 covers time period of 11/23/2020 - 12/24/2020						** (F) and (G) increased for losses of 2.8%
37	<b>SPP Book Totals</b>		<b>\$ (81,290.26)</b>	<b>406,481</b>			
38	<b>Adjustments</b>		<b>\$ (108.09)</b>	<b>-</b>			
39	<b>Total SPP</b>		<b>\$ (81,398.35)</b>	<b>406,481</b>			

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
<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>															
1	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	<b>TOTAL</b>		\$ 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
<b>RSG &amp; Make Whole Payments</b>															
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	<b>TOTAL</b>		\$ 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
<b>Revenue Neutrality Uplift</b>															
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 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
11	<b>TOTAL</b>		\$ 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
<b>Other Charges</b>															
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.95	\$ 0.46	\$ 73.87	\$ 3.85	\$ 3.14	\$ 14.37	\$ 0.05	\$ 2.20	\$ 59.28	\$ 45.66	\$ 45.99	\$ 29.72	\$ 279.54
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	\$ 489.17
14	DA Spinning Reserve Distribution Amount	555.06	\$ 2.71	\$ 2.61	\$ 91.32	\$ 6.53	\$ 5.65	\$ 29.68	\$ 2.42	\$ 13.52	\$ 140.52	\$ 98.41	\$ 97.73	\$ 53.84	\$ 544.94
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)	\$ (0.23)	\$ 0.33	\$ (4.98)
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)	\$ -	\$ -	\$ -	\$ (0.43)	\$ (0.42)	\$ -	\$ (0.90)
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (0.13)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (0.13)
23	RT Pseudo Tie Congestion Amount	555.20	\$ (18,442.21)	\$ (33,459.18)	\$ (83,878.29)	\$ (90,950.93)	\$ (95,533.40)	\$ (80,622.17)	\$ (67,029.01)	\$ (39,162.43)	\$ (57,435.80)	\$ (109,823.23)	\$ (157,989.89)	\$ (61,614.87)	\$ (895,941.41)
24	RT Pseudo Tie Loss Amount	555.21	\$ (10,357.98)	\$ (8,698.87)	\$ (11,105.26)	\$ (16,745.37)	\$ (17,339.10)	\$ (17,836.85)	\$ (25,415.92)	\$ (16,803.54)	\$ (17,186.23)	\$ (18,644.50)	\$ (19,587.33)	\$ (16,605.18)	\$ (196,326.13)
25	Miscellaneous Amount	555.23	\$ (59.87)	\$ -	\$ 19.12	\$ -	\$ -	\$ (33.04)	\$ (1.43)	\$ 0.82	\$ (1.18)	\$ (0.55)	\$ (0.79)	\$ 19.51	\$ (57.41)
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (73,034.82)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (73,034.82)
27	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.05	\$ -	\$ -	\$ -	\$ 0.04	\$ (0.01)	\$ -	\$ 0.08
28	<b>TOTAL</b>		\$ (39,488.58)	\$ (50,887.11)	\$ (102,946.22)	\$ (112,848.00)	\$ (116,821.55)	\$ (175,899.68)	\$ (98,755.96)	\$ (61,548.45)	\$ (80,372.72)	\$ (133,614.94)	\$ (189,493.03)	\$ (90,004.97)	\$ (1,252,681.21)
<b>Grandfathered Charge Types</b>															
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	\$ -	\$ -	\$ (0.63)	\$ (0.19)	\$ (0.28)	\$ -	\$ (1.10)
31	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (24.52)	\$ -	\$ -	\$ -	\$ (24.52)
32	<b>TOTAL</b>		\$ 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	<b>TOTAL SPP CHARGES - Energy Adjustment Rider</b>		\$ (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 <sup>1</sup> 2016	Actual 2016	Actual 2017	Actual 2018	Actual 2019	Actual 2020
<b>STEAM POWER MAINTENANCE:</b>							
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
<b>HYDRO POWER MAINTENANCE:</b>							
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
<b>IC POWER MAINTENANCE WITHOUT WIND:</b>							
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
<b>IC POWER MAINTENANCE WIND ONLY:</b>							
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*		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:** <sup>1</sup> 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.

[PROTECTED DATA  
BEGINS . . .

**Big Stone Plant Forced Outage Info**

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
6/15/2020	6/18/2020	Tube Leak	2.99	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 occurrences 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 Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
5/5/2020	5/8/2020	Wall tube leak on 7th-8th floor NE corner	3.09	Sootblower water lance erosion		Inspected sootblower water lance timing
9/29/2020	10/1/2020	#6 Cyclone Leak	1.28	Tube leak on cyclone tubes, water going down lift line and filling line up 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]

[PROTECTED DATA  
BEGINS . . .

**Hoot Lake Plant Forced Outage Info**

Outage Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
<b>Hoot Lake Plant #2</b>						
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 Dates		Primary Reason for Outage	Duration (days)	Description of Equipment Failure	Change in Energy Costs	Steps Taken to Alleviate Reoccurrence
Start	End					
<b>Hoot Lake Plant #2 (continued)</b>						
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.
<b>Hoot Lake Plant #3</b>						
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 upcoming 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 upcoming 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.

. . . PROTECTED  
DATA ENDS]

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

Month	(A) Date Paid		* (C) Wind Production		* (E) Lost Production		* (G) Total OTP Paid	(H) Reason Codes
	Delivered	Lost	Delivered	* (D) Amount	Lost	* (F) Amount		
	MWh	MWh	to OTP MWh	OTP Paid	MWh	OTP Paid		
			[PROTECTED DATA BEGINS . . .					
Jan-20								
Feb-20								
Mar-20								
Apr-20								
May-20								
Jun-20								
Jul-20								
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
<b>Total 2020</b>								
			. . . PROTECTED DATA ENDS]					

Reason Code Explanation:

Reason Codes:

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

\* Columns C - G are invoiced amounts

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

Month	(A) Date Paid		* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G)	(H)
	Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid	Total OTP Paid	Reason Codes
	<b>[PROTECTED DATA BEGINS ...</b>							
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
<b>Total 2020</b>								

... PROTECTED DATA ENDS]

Reason Code Explanation:

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

... PROTECTED DATA ENDS]

Reason Codes:

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

\* Columns C - G are invoiced amounts

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

Month	(A) Date Paid		* (C) * (D) Wind Production		* (E) * (F) Lost Production		* (G)	(H)	
	Delivered MWh	Lost MWh	Delivered to OTP MWh	Amount OTP Paid	Lost MWh	Amount OTP Paid	Total OTP Paid	Reason Codes	
			[PROTECTED DATA BEGINS . . .						
Jan-20	1/2, 3, 8	2/26/2020						4	
Feb-20	2/2, 12, 16, 17	3/25/2020						4	
Mar-20	3/4	4/27/2020						4	
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	
Oct-20	10/1, 4, 5, 6, 8, 10, 11, 12, 13, 14, 21, 22, 27, 30, 31	11/20/2020						4	
Nov-20	11/1, 2, 3, 6, 8, 9, 15, 28, 29	12/22/2020						4	
Dec-20	12/3, 9, 18, 21, 23	1/21/2021						4	
<b>Total 2020</b>									

. . . PROTECTED DATA ENDS]

Reason Code Explanation:

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

. . . PROTECTED DATA ENDS]

Reason Codes:

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

\* Columns C - G are invoiced amounts

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

**I. Introduction**

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

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

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

**Overview**

Otter Tail has been participating in Midwest ISO's (MISO) Ancillary Service Market (ASM) since it started on January 6, 2009. 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.

**Summary**

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



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

Line No.		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
		Jan-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	MN Amount @ 0.506576555
1	Day Ahead Regulation Amount	\$ 68,516	\$ 67,379	\$ 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	\$ 354,002
2	Real Time Regulation Amount	\$ (23,573)	\$ (21,976)	\$ (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)	\$ (89,101)
3	Regulation Cost Distribution Amount	\$ (13,787)	\$ (14,882)	\$ (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)	\$ (86,050)
4	<b>Regulation Subtotal</b>	<b>\$ 31,157</b>	<b>\$ 30,521</b>	<b>\$ 27,439</b>	<b>\$ 89,117</b>	<b>\$ 34,095</b>	<b>\$ 7,130</b>	<b>\$ 9,498</b>	<b>\$ 50,722</b>	<b>\$ 42,593</b>	<b>\$ 39,330</b>	<b>\$ 32,670</b>	<b>\$ 114,593</b>	<b>\$ 14,019</b>	<b>\$ 39,786</b>	<b>\$ 44,822</b>	<b>\$ 98,627</b>	<b>\$ 353,059</b>	<b>\$ 178,852</b>
5	Day Ahead Spinning Reserve Amount	\$ 14,916	\$ 12,143	\$ 8,396	\$ 35,455	\$ 7,532	\$ 4,522	\$ 9,825	\$ 21,878	\$ 37,608	\$ 22,334	\$ 13,820	\$ 73,762	\$ 5,399	\$ 13,839	\$ 16,360	\$ 35,598	\$ 166,694	\$ 84,443
6	Real Time Spinning Reserve Amount	\$ 7,775	\$ (1,515)	\$ 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)	\$ (8,688)	\$ (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)	\$ (54,260)
8	<b>Spinning Reserve Subtotal</b>	<b>\$ 14,764</b>	<b>\$ 1,940</b>	<b>\$ 2,839</b>	<b>\$ 19,543</b>	<b>\$ 2,852</b>	<b>\$ (5,378)</b>	<b>\$ (684)</b>	<b>\$ (3,211)</b>	<b>\$ 24,085</b>	<b>\$ 5,437</b>	<b>\$ 5,339</b>	<b>\$ 34,861</b>	<b>\$ (4,461)</b>	<b>\$ (359)</b>	<b>\$ 3,913</b>	<b>\$ (908)</b>	<b>\$ 50,286</b>	<b>\$ 25,474</b>
9	Day Ahead Supplemental Reserve Amount	\$ 1,895	\$ 5,636	\$ 8,118	\$ 15,649	\$ 6,588	\$ 6,131	\$ 8,720	\$ 21,439	\$ 10,171	\$ 7,930	\$ 7,526	\$ 25,628	\$ 10,686	\$ 8,978	\$ 12,844	\$ 32,508	\$ 95,223	\$ 48,238
10	Real Time Supplemental Reserve Amount	\$ (1,052)	\$ (3,780)	\$ (4,964)	\$ (9,797)	\$ (2,005)	\$ (1,701)	\$ (3,032)	\$ (6,739)	\$ (6,903)	\$ (3,807)	\$ (3,032)	\$ (13,741)	\$ (3,830)	\$ (3,120)	\$ (3,891)	\$ (10,840)	\$ (41,117)	\$ (20,829)
11	Supplemental Reserve Cost Distribution Amount	\$ (2,155)	\$ (1,578)	\$ (1,826)	\$ (5,559)	\$ (1,383)	\$ (1,174)	\$ (1,179)	\$ (3,736)	\$ (1,030)	\$ (1,443)	\$ (1,034)	\$ (3,507)	\$ (1,682)	\$ (1,637)	\$ (1,668)	\$ (4,986)	\$ (17,789)	\$ (9,012)
12	<b>Supplemental Reserve Subtotal</b>	<b>\$ (1,313)</b>	<b>\$ 278</b>	<b>\$ 1,327</b>	<b>\$ 292</b>	<b>\$ 3,200</b>	<b>\$ 3,255</b>	<b>\$ 4,509</b>	<b>\$ 10,964</b>	<b>\$ 2,238</b>	<b>\$ 2,680</b>	<b>\$ 3,461</b>	<b>\$ 8,379</b>	<b>\$ 5,174</b>	<b>\$ 4,222</b>	<b>\$ 7,286</b>	<b>\$ 16,681</b>	<b>\$ 36,316</b>	<b>\$ 18,397</b>
13	Contingency Reserve Deployment Failure Charge Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	Real Time Excessive Deficient Energy Deployment Charge Amount	\$ (1,478)	\$ (2,377)	\$ (1,563)	\$ (5,418)	\$ (1,638)	\$ (1,004)	\$ (406)	\$ (3,048)	\$ (1,955)	\$ (1,109)	\$ (1,394)	\$ (4,458)	\$ (2,507)	\$ (5,357)	\$ (3,327)	\$ (11,191)	\$ (24,116)	\$ (12,216)
15	Net Regulation Adjustment Amount	\$ (5,480)	\$ (1,151)	\$ (3,497)	\$ (10,128)	\$ (619)	\$ (650)	\$ (468)	\$ (1,738)	\$ (909)	\$ (5,589)	\$ (682)	\$ (7,180)	\$ (769)	\$ (196)	\$ (3,077)	\$ (4,042)	\$ (23,088)	\$ (11,696)
16	Real Time Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	<b>Other Charge Subtotal</b>	<b>\$ (6,959)</b>	<b>\$ (3,528)</b>	<b>\$ (5,060)</b>	<b>\$ (15,546)</b>	<b>\$ (2,258)</b>	<b>\$ (1,654)</b>	<b>\$ (874)</b>	<b>\$ (4,786)</b>	<b>\$ (2,864)</b>	<b>\$ (6,698)</b>	<b>\$ (2,076)</b>	<b>\$ (11,638)</b>	<b>\$ (3,276)</b>	<b>\$ (5,553)</b>	<b>\$ (6,405)</b>	<b>\$ (15,234)</b>	<b>\$ (47,204)</b>	<b>\$ (23,912)</b>
18	<b>TOTAL</b>	<b>\$ 37,649</b>	<b>\$ 29,212</b>	<b>\$ 26,545</b>	<b>\$ 93,406</b>	<b>\$ 37,889</b>	<b>\$ 3,352</b>	<b>\$ 12,448</b>	<b>\$ 53,689</b>	<b>\$ 66,053</b>	<b>\$ 40,748</b>	<b>\$ 39,394</b>	<b>\$ 146,195</b>	<b>\$ 11,456</b>	<b>\$ 38,095</b>	<b>\$ 49,616</b>	<b>\$ 99,167</b>	<b>\$ 392,458</b>	<b>\$ 198,810</b>

Summary of 12 ASM Charge Types (MWH)

Line No.		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)
		Jan-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	MN Amount @ 0.506576555
1	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	<b>Regulation Subtotal</b>	<b>8,266.80</b>	<b>7,920.70</b>	<b>8,119.50</b>	<b>24,307.00</b>	<b>7,356.00</b>	<b>3,604.90</b>	<b>3,196.20</b>	<b>14,157.10</b>	<b>8,249.20</b>	<b>7,461.90</b>	<b>5,153.50</b>	<b>20,864.60</b>	<b>2,511.20</b>	<b>4,089.30</b>	<b>8,503.60</b>	<b>15,104.10</b>	<b>74,432.80</b>	<b>37,705.91</b>
5	Day Ahead Spinning Reserve 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	<b>Spinning Reserve Subtotal</b>	<b>6,768.90</b>	<b>6,071.70</b>	<b>4,240.10</b>	<b>17,080.70</b>	<b>2,271.30</b>	<b>628.50</b>	<b>1,756.10</b>	<b>4,655.90</b>	<b>5,797.40</b>	<b>3,407.80</b>	<b>2,177.00</b>	<b>11,382.20</b>	<b>1,205.40</b>	<b>3,719.40</b>	<b>6,128.10</b>	<b>11,052.90</b>	<b>44,171.70</b>	<b>22,376.35</b>
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
12	<b>Supplemental Reserve Subtotal</b>	<b>7,997.10</b>	<b>21,658.30</b>	<b>37,856.10</b>	<b>67,511.50</b>	<b>28,501.60</b>	<b>30,954.70</b>	<b>38,907.20</b>	<b>98,363.50</b>	<b>35,488.60</b>	<b>31,009.10</b>	<b>31,246.20</b>	<b>97,743.90</b>	<b>36,794.60</b>	<b>30,574.10</b>	<b>54,804.10</b>	<b>122,172.80</b>	<b>385,791.70</b>	<b>195,433.03</b>
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
14	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
15	Net Regulation Adjustment Amount	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	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
17	<b>Other Charge Subtotal</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
18	<b>TOTAL</b>	<b>23,032.80</b>	<b>35,650.70</b>	<b>50,215.70</b>	<b>108,899.20</b>	<b>38,128.90</b>	<b>35,188.10</b>	<b>43,859.50</b>	<b>117,176.50</b>	<b>49,535.20</b>	<b>41,878.80</b>	<b>38,576.70</b>	<b>129,990.70</b>	<b>40,511.20</b>	<b>38,382.80</b>	<b>69,435.80</b>	<b>148,329.80</b>	<b>504,396.20</b>	<b>255,515.29</b>

**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**

April '05 through December '08	\$	0.07220
January '09 through December '09	\$	0.09750
January '10 through December '10	\$	0.09380
January '11 through June '11	\$	0.09300
July '11 through July '12	\$	0.09040
July '12 through June '13	\$	0.08820
July '13 through June '14	\$	0.07656
July '14 through June '15	\$	0.07337
July '15 through June '16	\$	0.07479
July '16 through June '17	\$	0.07312
July '17 through June '18	\$	0.08239
July '18 through December '19	\$	0.08589
January '20 through December '20	\$	0.08917
Average monthly increase from prior period	\$	0.00328

## 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
<b>TOTAL 2020</b>	<b>\$129,421,381</b>	<b>\$97,122,863</b>

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 <sup>1</sup>	\$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)	\$12,736,544 <sup>2</sup>

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)
<b>TOTAL 2020</b>	<b>(\$969,086)</b>	<b>(\$3,295,635)</b>

<sup>1</sup> Recovery from fuel base cost: (See Attachment 1 for details.)

Total Minnesota kWh Sales January 2020 – December 2020	2,422,847,336
Minnesota Base Cost	x \$0.024652
Amount Recovered From Base Cost	\$ 59,728,033

<sup>2</sup> 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**

**[PROTECTED DATA BEGINS . . .**

... PROTECTED DATA ENDS]

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

**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.

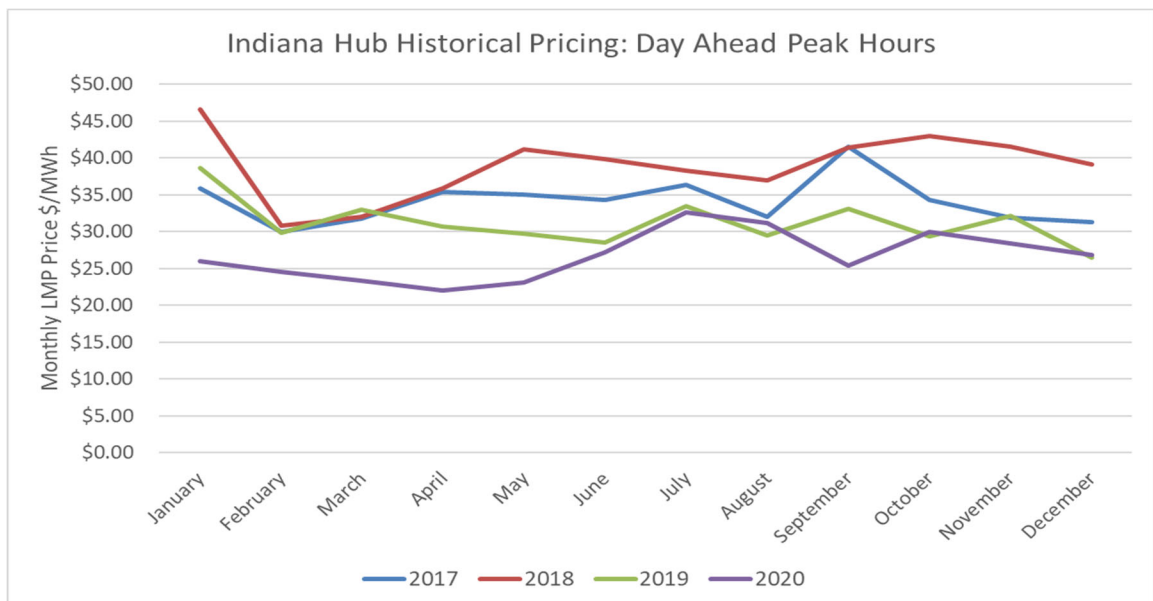
**7. C. Each utility shall prepare a summary of its AAA filing stating key factors affecting costs (including Revenue Sufficiency Guarantee costs and Revenue Neutrality Uplift costs) along with the FCA Forecast.**

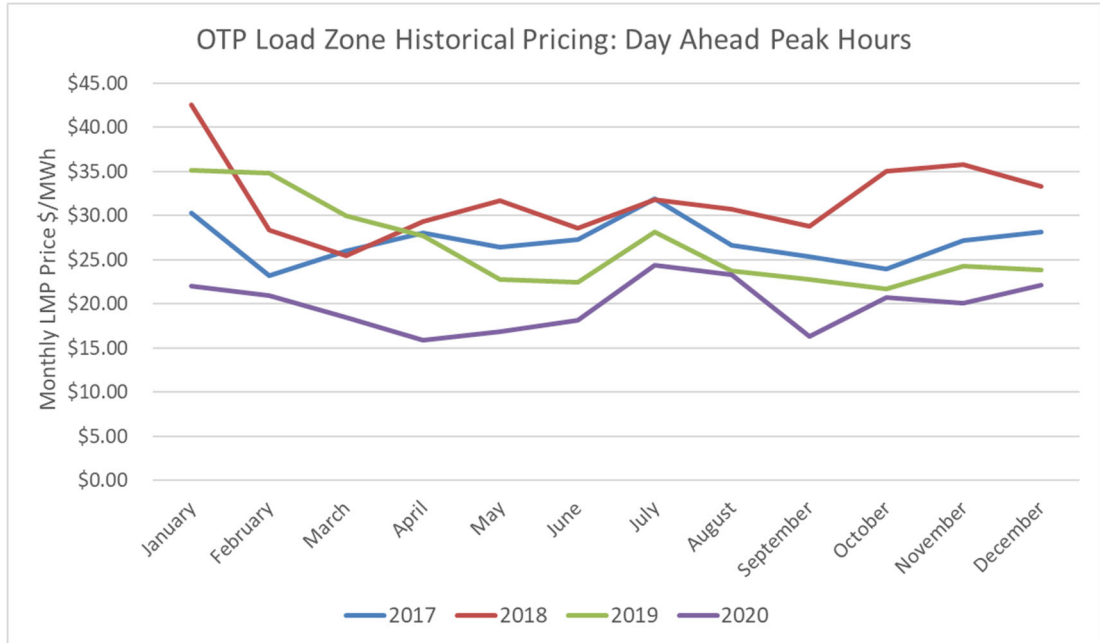
**Attachment 9** (System and Minnesota) and **Attachment 10** (Monthly and YTD MISO Day 2 Charges) reflect total MISO costs for the reporting period of January through December 2020.

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.

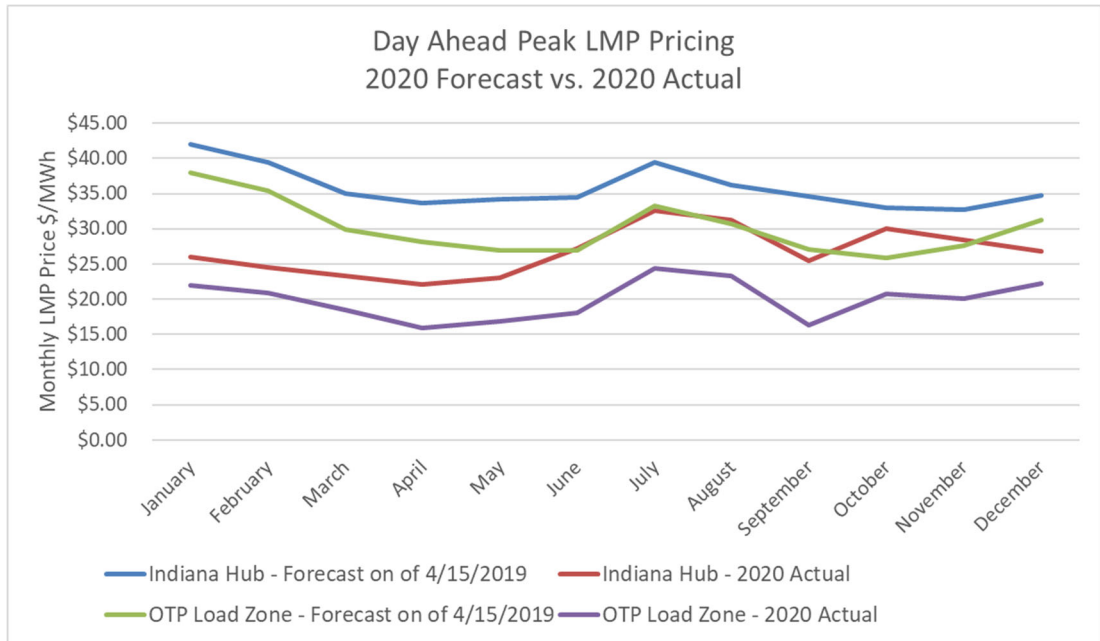




2020 Indiana Hub DA peak LMP pricing experienced an approximate 23% reduction from the previous 3-year average. Similarly, Otter Tail load zone LMP pricing experienced an approximate 30% reduction from the previous 3-year average.

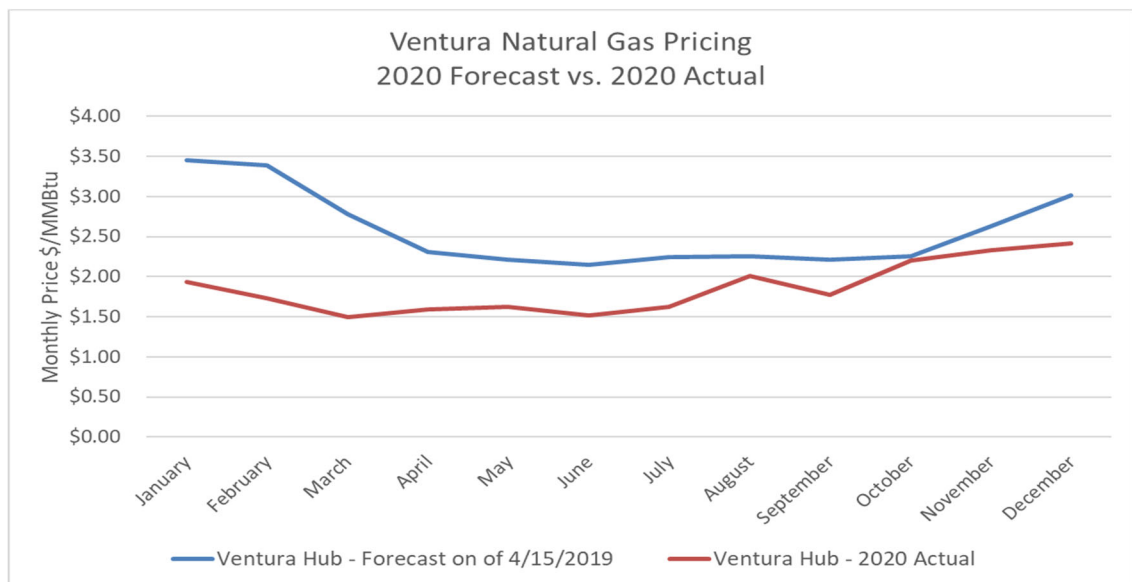
Projections of generation production, economic market purchases, and wholesale market energy charges are driven in large part by forecasted LMP pricing. Furthermore, natural gas forecasts generally drive LMP forecasts. This is due to natural gas generation facilities often being the marginal units, or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



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.

## Appendix A – Section 4

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

#### **Actual:**

Actual SPP charges for January – December 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,

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



## Appendix A – Section 5

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

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

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

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

Appendix A – Section 6

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

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

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

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

- 22. The Commission requests Interstate, Minnesota Power, Otter Tail, and Xcel to comment on sharing lessons learned regarding the handling of forced outages. The Commission also requests the companies to discuss amongst themselves whether and what kind of information sharing would be beneficial. The companies shall provide in supplemental filings to their fiscal-year 2011 AAA reports, in Docket No. E999/AA-11-792, and in future AAA reports, a simple annual identification of forced outages and a short discussion of how such outages could have been avoided or alleviated.**

**Information Sharing/Lessons Learned:**

Otter Tail continues to utilize multiple forums and resources deemed most beneficial in gathering and sharing information relevant to the unique aspects of Otter Tail's generation fleet. In Reply Comments submitted by Otter Tail in Docket No. E999/AA-13-599, Otter Tail provided a list of resources (Conferences, Consultants/Vendors/Contractors, Publications, and Trade Organizations) in Attachment 1 of those Reply Comments, which Otter Tail and the other utilities within Minnesota take advantage of to address each utility's specific needs.

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

*As noted earlier, each utility's generation fleet is different. Otter Tail's base load generating fleet is small, 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;*

*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	B	C	D
<b>Forecast 2020 Planned Outages</b>				
<b>Line No.</b>	<b>Outage Start</b>	<b>Outage End</b>	<b>Plant</b>	<b>Duration &amp;Type</b>
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	B	C	D
<b>Actual 2020 Planned Outages</b>				
<b>Line No.</b>	<b>Outage Start</b>	<b>Outage End</b>	<b>Plant</b>	<b>Duration &amp;Type</b>
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.

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 ...**

**... PROTECTED DATA ENDS**

- 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.

**Appendix A – Section 7**

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

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

Attachment 10 contains a monthly and year to date breakdown of MISO Day 2 Charges – System between Retail, Asset Based Wholesale, and Non-Asset Based Wholesale for 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 ARR’s if any a utility purchased, how much they paid, and what FTR revenues and costs were received to date for ARR’s purchases.

Otter Tail has no activity to report for this item.

## Appendix A – Section 8

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

On February 2, 2006, Otter Tail filed in Docket No. E017/M-03-970 to remove the sunset provision for recovery of the purchase of wind generated energy through the fuel clause under the Order issued January 13, 2005. On July 12, 2006, the Commission granted an extension of the recovery mechanism in place under the January 13, 2005 Order until a final Order is issued in this proceeding and directs the Company to revise its tariff as appropriate. On August 10, 2006, Otter Tail filed the Purchase Power Agreement (PPA) for approval in this proceeding pursuant to the July 12, 2006 Order. The Commission deferred the issue of Renewable Energy Obligation (REO) eligibility to the resource plan proceeding concerning Otter Tail, Docket No. E017/RP 05-968. The Commission also deferred other determinations until this docket returns to the Commission for PPA approval. On November 14, 2006, in Docket No. E017/M-03-970, the Commission approved Otter Tail's request with the following reporting requirements:

**1. Additional language to the Cost of Energy Adjustment Clause.**

See Attachment 4 – paragraph 3.

**2. Credit ratepayers through the Fuel Adjustment Clause any compensation it receives from the MISO or any other transmission authority for calling an interruption of the energy generated by the Project during the period that Otter Tail Power Company is recovering curtailment provision costs from ratepayers.**

There were no credits issued for reporting period of January to December 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.



**Appendix A – Section 9**

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

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

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

Attachment 16 summarizes the 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.

## Appendix A – Section 10

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Procurement and Contracting**

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

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

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

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

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

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

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

The scope of Project Management (PM) required depends on the size and complexity of the project / transaction. Otter Tail's larger projects require that a Risk Register is completed by the Project Manager. The Risk Register is a worksheet or table listing the risks associated with the respective project as a whole. These are items that, if they occur, may cause the project to be delayed, cost more than expected, or to be postponed altogether. Each risk is analyzed and an estimated cost as well approximate probability of occurring is listed. The Risk Register assists Project Management in proactively managing the project and increasing the quality of work performed by all involved, including contractors. If needed, items identified in the Risk Register are incorporated into the contractual terms of the contractor. There are other requirements, all of which assist in the project being well run and the respective contractors held accountable.

Contract articles define the contractor's responsibilities for staying on schedule, working safely, and staying within the agreed upon price. Otter Tail also requires daily updates on work progress that are discussed in pre-scheduled meetings.

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

### **Use of Risk Management Provisions**

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

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

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

During the 2019/2020 reporting period Otter Tail successfully used contract provisions for delay liquidated damages to recover costs related to delays on our Astoria Station natural gas simple cycle turbine electric generation project. Otter Tail withheld \$140,000 of liquidated damages for delays on technical deliverables from our gas turbine supplier and an additional \$420,000 for their failure to meet the guaranteed equipment delivery date. We also withheld liquidated damages from our construction general contractor in the amount of \$485,000 for missing Mechanical Completion and \$850,000 for delays in achieving Substantial Completion.

# **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
Petition to Revise Cost of Energy Adjustment Tariff 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		X		
Wind Curtailment Summary	E,G999/AA-06-1208	2/6/2008		Attachment 14	Part E Section 9 Attachment F (Wind Curtailment)	Provide in annual true up filing as support for forecasted to actual costs		X		
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.		X		
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	MISO Day 2 charges can be provided in annual true filing as support.		X		
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?		X		
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		X		
Independent Auditor's Report	Minn. R. 7825.2820	E999/AA-15-611	Appendix C		Part F	Provide in True-up Filing		X		
Notice of Reports Availability	Minn. R. 7825.2840		Appendix D		Part I	Align with decision rules 7825.2800 through 7825.2830	X	X		



**Appendix C**  
**Rule 7825.2820 Independent Auditor's Report**

## **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.

*Deloitte & Touche LLP*

February 25, 2021

**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.otpc.com](http://www.otpc.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@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_19-297_AA-19-297
William	Black	bblack@mmua.org	MMUA	Suite 200 3131 Fernbrook Lane  Plymouth, MN 55447	Electronic Service	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.state.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.com	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
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_19-297_AA-19-297
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
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_19-297_AA-19-297
John R.	Gasele	jpgasele@fryberger.com	Fryberger Buchanan Smith & Frederick PA	700 Lonsdale Building 302 W Superior St Ste 700 Duluth, MN 55802	Electronic Service	No	OFF_SL_19-297_AA-19-297
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_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@mutilityinvestors.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@enbridge.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.com	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 Floor, Dept 408 Bismarck, ND 585050480	Electronic Service	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	Lachowitz	blachowitz@ibewlocal949.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.com	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
Kavita	Maini	kmairi@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd  Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_19-297_AA-19-297
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
Sara G	McGrane	smcgrane@felhaber.com	Felhaber Larson	220 S 6th St Ste 2200  Minneapolis, MN 55420	Electronic Service	No	OFF_SL_19-297_AA-19-297
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
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_19-297_AA-19-297
Andrew	Moratzka	andrew.moratzka@stoel.com	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@otpc.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	lseverson@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@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	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.state.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  St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-297_AA-19-297
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  Warren, MN 56762	Electronic Service	No	OFF_SL_19-297_AA-19-297
Christopher	Schoenherr	cp.schoenherr@smmpa.org	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.com	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@otpc.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@xcelenergy.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@otpc.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.us	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.com	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.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400  St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St  Duluth, MN 558022191	Electronic Service	No	OFF_SL_15-1033_Official Service List
Charles	Drayton	charles.drayton@enbridge.com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600  Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Remi	Engbers	remi.engbers@woodsfuller.com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_15-1033_Official Service List
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St  Superior, WI 54880-4421	Electronic Service	No	OFF_SL_15-1033_Official Service List
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280  Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_15-1033_Official Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St  Saint Paul, MN 55102	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_15-1033_Official Service List
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.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Bill	Lachowitz	blachowitz@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Ave S  Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_15-1033_Official Service List
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List
Douglas	Larson	dlarson@dakotaelectric.com	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.com	Stoel Rives LLP	33 South Sixth St Ste 4200  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_15-1033_Official Service List
Rate Case Inbox	Rate Case Inbox	mnratecase@otpc.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750  St. Paul, MN 55101	Electronic Service	No	OFF_SL_15-1033_Official Service List
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.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190  Richfield, MN 55423	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_15-1033_Official Service List
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List

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



First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Amadeo	Bellino	amadeo.bellino@llojibwe.net	Leech Lake Band of Ojibwe	-  55101	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Mariah	Bevins	Maria.Bevins@whiteearthnsn.gov	White Earth Reservation Business Committee	PO Box 418  White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official 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.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400  St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official 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.com	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@otpc.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@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Annete	Henkel	mui@mutilityinvestors.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.org	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.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_20-719_Official 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.com	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	Lachowitz	blachowitz@ibewlocal949.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.com	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.com	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@otpc.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@otpc.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade Street Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_20-719_Official CC Service List
Rate Case Inbox	Rate Case Inbox	mnratescase@otpc.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.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-719_Official 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.com	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.com	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@otpc.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.org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste 200 Denver, CO 80202	Electronic Service	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